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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40001	1664	EMCS Periodic H/K	1	1	10	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0A00

Bit	Width	Name	F/V	Value
0	8	SID	F	10
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0311

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	1
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1001	D Prim PW Consum	V	A						
CURVE Eng. Value [A] = ((Binary Value * 20) / 4095) - 10												
18	0	16	K1002	D P.S. Temp #1	V	degC						
CURVE Eng. Value [°C] = (Binary Value * (-0.1268)) + 345.74												
20	0	16	K1003	D P.S. Temp #2	V	degC						
CURVE Eng. Value [°C] = (Binary Value * (-0.1268)) + 345.74												
22	0	16	K1004	D +5 V PW Supply	V	V						
CURVE Eng. Value [V] = (((Binary Value * 20) / 4095) - 10) * 2												
24	0	16	K1005	D DBU Power +6V	V	V						
CURVE Eng. Value [V] = (((Binary Value * 20) / 4095) - 10) * 2												
26	0	16	K1006	D +15V PW Supply	V	V						
CURVE Eng. Value [V] = (((Binary Value * 20) / 4095) - 10) * 2												
28	0	16	K1007	D -15V PW Supply	V	V						
CURVE Eng. Value [V] = (((Binary Value * 20) / 4095) - 10) * 2												
30	0	16	FIX	Fix bit pattern	F	n/a	0					
CURVE												
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32	0	8	K1008	G EMCS Oper Mode	V	n/a	
RAW MEANING							
0	Safe StandBy						
1	Idle						
2	Prime						
3	Fast						
4	Offset						
5	CCD Diagnos.						
6	Extraheating						
16	InFlightTest						
33	0	8	K1009	G EMCS Status	V	n/a	
RAW MEANING							
0	Valid Mode						
1	EnteringMode						
2	Leaving Mode						
255	NotValidMode						
34	0	8	FIX	Fix bit pattern	F	n/a	0
CURVE							
35	0	2	FIX	Fix bit pattern	F	n/a	0
CURVE							
35	2	1	K1010	D Door HOP Stat.	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
35	3	1	K1011	D Ven Val HOP St	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
35	4	1	K1012	D FW Coil 1 Stat	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
35	5	1	K1013	D FW Coil 2 Stat	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
35	6	1	K1014	D Ann Heater St.	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
35	7	1	K1015	D Shr Heater St.	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
36	0	2	FIX	Fix bit pattern	F	n/a	0
CURVE							
36	2	1	K1016	D Door HOP LCP	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
36	3	1	K1017	D VenVal HOP LCP	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
36	4	1	K1018	D FW Coil 1 LCP	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
36	5	1	K1019	D FW Coil 2 LCP	V	n/a	
RAW MEANING							
0	OFF						

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1	ON								
36	6	1	K1020	D Ann Heater LCP	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
36	7	1	K1021	D Shr Heater LCP	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	0	2	FIX	Fix bit pattern	F	n/a	0		
CURVE									
37	2	1	K1022	D Door HOP CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	3	1	K1023	D VenVal HOP CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	4	1	K1024	D FW Coil 1 CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	5	1	K1025	D FW Coil 2 CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	6	1	K1026	D Ann Heater CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
37	7	1	K1027	D Shr Heater CLS	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
38	0	8	K1028	D HBR1 Ch. Conf.	V	n/a			
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
39	0	8	K1029	D HBR2 Ch. Conf.	V	n/a			
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
40	0	8	K1030	D HBR3 Ch. Conf.	V	n/a			
RAW	MEANING								
0	Disabled								

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1	Imag. Proc.				
2	Imag.N.Proc.				
3	Imag.R.Proc.				
4	Imag.R.N.Pr.				
5	EDU Thresh.				
6	Tim. Proces.				
7	Tim.N.Proce.				
8	Tim.C.Proce.				
9	Tim.C.N.Pro.				
10	Transparent				
41	0	8	K1031	D HBR4 Ch. Conf.	V n/a
RAW	MEANING				
0	Disabled				
1	Imag. Proc.				
2	Imag.N.Proc.				
3	Imag.R.Proc.				
4	Imag.R.N.Pr.				
5	EDU Thresh.				
6	Tim. Proces.				
7	Tim.N.Proce.				
8	Tim.C.Proce.				
9	Tim.C.N.Pro.				
10	Transparent				
42	0	8	K1032	D HBR5 Ch. Conf.	V n/a
RAW	MEANING				
0	Disabled				
1	Imag. Proc.				
2	Imag.N.Proc.				
3	Imag.R.Proc.				
4	Imag.R.N.Pr.				
5	EDU Thresh.				
6	Tim. Proces.				
7	Tim.N.Proce.				
8	Tim.C.Proce.				
9	Tim.C.N.Pro.				
10	Transparent				
43	0	8	K1033	D HBR6 Ch. Conf.	V n/a
RAW	MEANING				
0	Disabled				
1	Imag. Proc.				
2	Imag.N.Proc.				
3	Imag.R.Proc.				
4	Imag.R.N.Pr.				
5	EDU Thresh.				
6	Tim. Proces.				
7	Tim.N.Proce.				
8	Tim.C.Proce.				
9	Tim.C.N.Pro.				
10	Transparent				
44	0	8	K1034	D HBR7 Ch. Conf.	V n/a
RAW	MEANING				
0	Disabled				
1	Imag. Proc.				
2	Imag.N.Proc.				
3	Imag.R.Proc.				
4	Imag.R.N.Pr.				
5	EDU Thresh.				
6	Tim. Proces.				
7	Tim.N.Proce.				
8	Tim.C.Proce.				
9	Tim.C.N.Pro.				
10	Transparent				
45	0	8	K1035	D HBR8 Ch. Conf.	V n/a
RAW	MEANING				
0	Disabled				

1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
46	0	8	K1036	D HBR 1 Buff Occ	V	n/a
CURVE						
47	0	8	K1037	D HBR 2 Buff Occ	V	n/a
CURVE						
48	0	8	K1038	D HBR 3 Buff Occ	V	n/a
CURVE						
49	0	8	K1039	D HBR 4 Buff Occ	V	n/a
CURVE						
50	0	8	K1040	D HBR 5 Buff Occ	V	n/a
CURVE						
51	0	8	K1041	D HBR 6 Buff Occ	V	n/a
CURVE						
52	0	8	K1042	D HBR 7 Buff Occ	V	n/a
CURVE						
53	0	8	K1043	D HBR 8 Buff Occ	V	n/a
CURVE						
54	0	48	K1573	C Cou OBT Res Ti	V	sec
CURVE						
60	0	16	K1045	D LBR I/F Status	V	n/a
RAW MEANING						
0	I/F OK					
65280	I/F busy					
62	0	16	K1046	DLast Com FW Pos	V	n/a
CURVE						
64	0	16	K1047	D HBR1 Disc Even	V	n/a
CURVE						
66	0	16	K1048	D HBR2 Disc Even	V	n/a
CURVE						
68	0	16	K1049	D HBR3 Disc Even	V	n/a
CURVE						
70	0	16	K1050	D HBR4 Disc Even	V	n/a
CURVE						
72	0	16	K1051	D HBR5 Disc Even	V	n/a
CURVE						
74	0	16	K1052	D HBR6 Disc Even	V	n/a
CURVE						
76	0	16	K1053	D HBR7 Disc Even	V	n/a
CURVE						

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78	0	16	K1054	D HBR8 Disc Even	V	n/a	
CURVE							
80	0	16	K1055	D HBR1 Disc Fram	V	n/a	
CURVE							
82	0	16	K1056	D HBR2 Disc Fram	V	n/a	
CURVE							
84	0	16	K1057	D HBR3 Disc Fram	V	n/a	
CURVE							
86	0	16	K1058	D HBR4 Disc Fram	V	n/a	
CURVE							
88	0	16	K1059	D HBR5 Disc Fram	V	n/a	
CURVE							
90	0	16	K1060	D HBR6 Disc Fram	V	n/a	
CURVE							
92	0	16	K1061	D HBR7 Disc Fram	V	n/a	
CURVE							
94	0	16	K1062	D HBR8 Disc Fram	V	n/a	
CURVE							
96	0	48	K1574	D Cmode Start Ti	V	sec	
CURVE							
102	0	48	K1575	D Cmode Stop Tim	V	sec	
CURVE							
108	0	8	K1065	D Door HOP ArmST	V	n/a	
RAW MEANING							
0				Not Armed			
1				Armed			
109	0	8	K1066	D VenValHOPArmST	V	n/a	
RAW MEANING							
0				Not Armed			
1				Armed			
110	0	16	K1067	C H/K Ref Status	V	n/a	
RAW MEANING							
0				New EMCR H/K			
65535				Old EMCR H/K			
112	0	16	K1044	CTimAutResPreVal	V	sec	
CURVE							
114	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							
118	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							
122	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							
126	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							
130	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							
134	0	32	FIX	Fix bit pattern	F	n/a	0
CURVE							

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138 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
142 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
146 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
150 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
154 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
158 CURVE	0	32	FIX	Fix bit pattern	F	n/a	0
162 CURVE	0	16	K1068	C EDU 0 Status	V	n/a	
164 CURVE	0	16	K1069	C EDU 1 Status	V	n/a	
166 CURVE	0	16	K1070	C EDU 2 Status	V	n/a	
168 CURVE	0	16	K1071	C EDU 3 Status	V	n/a	
170 CURVE	0	16	K1072	C EDU 4 Status	V	n/a	
172 CURVE	0	16	K1073	C EDU 5 Status	V	n/a	
174 CURVE	0	16	K1074	C EDU 6 Status	V	n/a	
176 CURVE	0	16	K1075	C EDU 7 Status	V	n/a	
178 CURVE	0	8	K1076	C EMAE -6 V Line Eng. Value [V] = (Binary Value - 128) * 0.082	V	V	
179 CURVE	0	8	K1077	C EMAE +6 V Line Eng. Value [V] = (Binary Value - 128) * 0.082	V	V	
180 CURVE	0	8	K1078	C EMAE -13V Line Eng. Value [V] = (Binary Value - 128) * 0.195	V	V	
181 CURVE	0	8	K1079	C EMAE +13V Line Eng. Value [V] = (Binary Value - 128) * 0.195	V	V	
182 CURVE	0	8	K1080	C EMAE +28V Line Eng. Value [V] = (Binary Value - 128) * 0.414	V	V	

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183 0 8 K1081 C EMAE +18V Line V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.260

184 0 8 K1082 C Signal Ground V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.039

185 0 8 K1083 C EMAE +32V Line V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.466

186 0 8 K1084 V EMVC Temp. #1 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

187 0 8 K1085 C EMCR Temp. #1 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

188 0 8 K1086 C EMCR +5 V Line V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.082

189 0 8 K1087 V EMVC Temp. #2 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

190 0 8 K1088 C EMCR -13V Line V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.205

191 0 8 K1089 C EMCR +13V Line V V
CURVE Eng. Value [V] = (Binary Value - 128) * 0.205

192 0 8 FIX Fix bit pattern F n/a 0
CURVE

193 0 8 K1090 C EMCR Temp. #2 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

194 0 8 K1091 CEMAECmEchoErCnt V n/a
CURVE

195 0 8 K1092 CEMAELsWrEchoCom V n/a
RAW MEANING

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196 0 8 K1093 E CCD 1 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

197 0 8 K1094 E CCD 1 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

198 0 8 K1095 E CCD 1 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

199 0 8 K1096 E CCD 1 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

200 0 8 K1097 E CCD 1 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

201 0 8 K1098 E CCD 1 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

202 0 8 K1099 E CCD 1 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

203 0 8 K1100 E CCD 1 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

204 0 8 K1101 E CCD 1 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

205 0 8 K1102 E CCD 1 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

206 0 8 K1103 E CCD 1 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

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207 0 8 K1104 E CCD 1 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

208 0 8 K1105 E CCD 1 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

209 0 8 K1106 E CCD 1 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

210 0 8 K1107 E CCD 1 RESET 2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

211 0 8 K1108 E CCD 1 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

212 0 1 K1109 A AnCh1/2 SeqRam V n/a
RAW MEANING

0 Load
1 Run

212 1 1 K1110 AAnCh1/2InbCtrlC V n/a
RAW MEANING

0 OFF
1 ON

212 2 1 K1111 AAnCh1/2InbCtrlB V n/a
RAW MEANING

0 OFF
1 ON

212 3 1 K1112 AAnCh1/2InbCtrlA V n/a
RAW MEANING

0 OFF
1 ON

212 4 1 FIX Fix bit pattern F n/a 0
CURVE

212 5 3 K1113 AAnCh1/2IntSimul V n/a
RAW MEANING

0 ChainNorNod0
1 ChainNorNod1
2 Chain/10Nod0
3 Chain/10Nod1
4 SimulatorMax
5 Simulator_/2
6 Simulator_/4
7 Simulator_/8

213 0 8 K1116 AAnCh1/2GaNumSet V n/a
CURVE

214 0 7 K1117 AAnCh1/2LoadAddL V n/a
CURVE

214 7 1 K1586 AAnCh1/2DataBySe V n/a
RAW MEANING

0 Low
1 High

215 0 6 FIX Fix bit pattern F n/a 0
CURVE

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215	6	2	K1118	AAAnCh1/2LoadAddM	V	n/a	
RAW MEANING							
216	0	1	K1119	A Seq PC FW Mode	V	n/a	
RAW MEANING							
0	Load						
1	Run						
216	1	1	K1120	A SeqPCFWDrvInbC	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
216	2	1	K1121	A SeqPCFWDrvInbB	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
216	3	1	K1122	A SeqPCFWDrvInbA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
216	4	2	FIX	Fix bit pattern	F	n/a	0
CURVE							
216	6	1	K1123	ASeqPCWhDrvDirec	V	n/a	
RAW MEANING							
0	Forward						
1	Backward						
216	7	1	K1124	A SeqPCWhMovTrig	V	n/a	
RAW MEANING							
217	0	8	K1125	AAAnCh1/2LoadData	V	n/a	
CURVE							
218	0	7	K1126	A SeqFW LoadAddL	V	n/a	
CURVE							
218	7	1	K1590	A SeqFW DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
219	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
219	6	2	K1127	A SeqFW LoadAddM	V	n/a	
RAW MEANING							
220	0	8	K1128	A FWActStepCntM	V	n/a	
CURVE							
221	0	8	K1129	A SeqFW LoadData	V	n/a	
CURVE							
222	0	1	K1130	A AnCh8 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
222	1	1	K1131	A AnCh7 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
222	2	1	K1132	A AnCh6 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
222	3	1	K1133	A AnCh5 PWStatus	V	n/a	
RAW MEANING							

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0	OFF								
1	ON								
222	4	1	K1134	A AnCh4 PWStatus	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
222	5	1	K1135	A AnCh3 PWStatus	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
222	6	1	K1136	A AnCh2 PWStatus	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
222	7	1	K1137	A AnCh1 PWStatus	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
223	0	8	K1138	A FWActStepCntL	V	n/a			
CURVE									
224	0	2	FIX	Fix bit pattern	F	n/a	0		
CURVE									
224	2	1	K1139	H PreAmp14 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
224	3	1	K1140	H PreAmp13 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
224	4	1	K1141	H PreAmp12 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
224	5	1	K1142	H PreAmp11 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
224	6	1	K1143	H PreAmp10 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
224	7	1	K1144	H PreAmp09 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
225	0	1	K1145	H PreAmp01 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
225	1	1	K1146	H PreAmp02 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
225	2	1	K1147	H PreAmp03 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
225	3	1	K1148	H PreAmp04 PW ST	V	n/a			
RAW MEANING									
0	OFF								
1	ON								

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225	4	1	K1149	H PreAmp05 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
225	5	1	K1150	H PreAmp06 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
225	6	1	K1151	H PreAmp07 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
225	7	1	K1152	H PreAmp08 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
226	0	1	K1153	ASeq7/8ReadOutSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	1	1	K1154	ASeq5/6ReadOutSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	2	1	K1155	ASeq3/4ReadOutSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	3	1	K1156	ASeq1/2ReadOutSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	4	1	K1157	ASeq7/8FrmTranSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	5	1	K1158	ASeq5/6FrmTranSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	6	1	K1159	ASeq3/4FrmTranSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
226	7	1	K1160	ASeq1/2FrmTranSy	V	n/a	
RAW MEANING							
0	Not Active						
1	Active						
227	0	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
227	4	1	K1161	AFPTCPwStAnHeReD	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
227	5	1	K1162	AFPTCPwStVacuSen	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
227	6	1	K1163	AFPTCPwStTemConR	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
227	7	1	K1164	AFPTCPwStTemConN	V	n/a	
RAW MEANING							

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0	OFF						
1	ON						
228	0	8	K1165	E CCD 2 VBB	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.121						
229	0	8	K1166	E CCD 2 VSS	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.039						
230	0	8	K1167	E CCD 2 VID	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.121						
231	0	8	K1168	E CCD 2 VGR	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.121						
232	0	8	K1169	E CCD 2 VRD1	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.081						
233	0	8	K1170	E CCD 2 VOG1	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.039						
234	0	8	K1171	E CCD 2 VOG2	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.039						
235	0	8	K1172	E CCD 2 VOD1	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.152						
236	0	8	K1173	E CCD 2 VOD2	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.152						
237	0	8	K1174	E CCD 2 VRD2	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.081						
238	0	8	K1175	E CCD 2 S	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.0612						

239 0 8 K1176 E CCD 2 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

240 0 8 K1177 E CCD 2 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

241 0 8 K1178 E CCD 2 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

242 0 8 K1179 E CCD2 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

243 0 8 K1180 E CCD2 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

244 0 8 K1181 E CCD 5 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

245 0 8 K1182 E CCD 5 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

246 0 8 K1183 E CCD 5 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

247 0 8 K1184 E CCD 5 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

248 0 8 K1185 E CCD 5 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

249 0 8 K1186 E CCD 5 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

250 0 8 K1187 E CCD 5 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

251 0 8 K1188 E CCD 5 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

252 0 8 K1189 E CCD 5 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

253 0 8 K1190 E CCD 5 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

254 0 8 K1191 E CCD 5 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

255 0 8 K1192 E CCD 5 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

256 0 8 K1193 E CCD 5 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

257 0 8 K1194 E CCD 5 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

258 0 8 K1195 E CCD 5 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

259 0 8 K1196 E CCD 5 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

260 0 1 K1197 A AnCh3/4 SeqRam V n/a
RAW MEANING

0 Load

1 Run

260 1 1 K1198 AAnCh3/4InbCtrlC V n/a
RAW MEANING

0 OFF

1 ON

260 2 1 K1199 AAnCh3/4InbCtrlB V n/a
RAW MEANING

0 OFF

1 ON

260 3 1 K1200 AAnCh3/4InbCtrlA V n/a
RAW MEANING

0 OFF

1 ON

260	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
260	5	3	K1201	AAAnCh3/4IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
261	0	8	K1204	AAAnCh3/4GaNumSet	V	n/a	
CURVE							
262	0	7	K1205	AAAnCh3/4LoadAddL	V	n/a	
CURVE							
262	7	1	K1587	AAAnCh3/4DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
263	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
263	6	2	K1206	AAAnCh3/4LoadAddM	V	n/a	
RAW MEANING							
264	0	8	K1207	AFPNomThCoTemSet	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168							
265	0	8	K1208	AAAnCh3/4LoadData	V	n/a	
CURVE							
266	0	8	K1209	E CCD 4 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							
267	0	8	K1210	AFPRedThCoTemSet	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168							
268	0	8	K1211	E CCD 4 VGR	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
269	0	8	K1212	E CCD 4 VBB	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
270	0	8	K1213	E CCD 4 VOG1	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

271 0 8 K1214 E CCD 4 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

272 0 8 K1215 E CCD 4 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

273 0 8 K1216 E CCD 4 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

274 0 8 K1217 E CCD 4 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

275 0 8 K1218 E CCD 4 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

276 0 8 K1219 E CCD 4 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

277 0 8 K1220 E CCD 4 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

278 0 8 K1221 E CCD 4 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

279 0 8 K1222 E CCD 4 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

280 0 8 K1223 E CCD 4 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

281 0 8 K1224 E CCD 4 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

282 0 8 K1225 E CCD 7 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

283 0 8 K1226 E CCD 4 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

284 0 8 K1227 E CCD 7 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

285 0 8 K1228 E CCD 7 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

286 0 8 K1229 E CCD 7 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

287 0 8 K1230 E CCD 7 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

288 0 8 K1231 E CCD 7 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

289 0 8 K1232 E CCD 7 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

290 0 8 K1233 E CCD 7 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

291 0 8 K1234 E CCD 7 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

292 0 8 K1235 E CCD 7 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

293 0 8 K1236 E CCD 7 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

294 0 8 K1237 E CCD 7 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

295	0	8	K1238	E CCD 7 S	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.0612						
296	0	8	K1239	E CCD 7 RESET1	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.062						
297	0	8	K1240	E CCD 7 IG	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.059						
298	0	8	K1241	AAAnCh5/6GaNumSet	V	n/a	
CURVE							
299	0	8	K1242	E CCD 7 RESET2	V	V	
CURVE	Eng. Value [V] = Binary Value * 0.062						
300	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
300	6	2	K1243	AAAnCh5/6LoadAddM	V	n/a	
RAW MEANING							
301	0	1	K1244	A AnCh5/6 SeqRam	V	n/a	
RAW MEANING							
0	Load						
1	Run						
301	1	1	K1245	AAAnCh5/6InbCtrlC	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
301	2	1	K1246	AAAnCh5/6InbCtrlB	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
301	3	1	K1247	AAAnCh5/6InbCtrlA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
301	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
301	5	3	K1248	AAAnCh5/6IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
302	0	8	K1251	AAAnCh5/6LoadData	V	n/a	
CURVE							
303	0	7	K1252	AAAnCh5/6LoadAddL	V	n/a	
CURVE							

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303	7	1	K1588	AAAnCh5/6DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
304	0	8	K1253	H FPlanNorRanTem	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.357) - 159							
305	0	1	K1254	H FW NominalStop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
305	1	1	K1255	HDoorBellowState	V	n/a	
RAW MEANING							
0	Retracted						
1	NotRetracted						
305	2	1	K1256	H Door Open uSw	V	n/a	
RAW MEANING							
0	Open						
1	Closed						
305	3	3	K1257	H FW Position	V	n/a	
RAW MEANING							
0	Open						
1	Filter D						
2	Filter C						
3	Filter B						
4	Filter A						
5	Closed						
6	IllegalValue						
7	Not Valid CS						
305	6	1	K1258	H FW Redund Stop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
305	7	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
306	0	8	K1260	AFPRedThCoTemMon	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1							
307	0	8	K1261	H Vacuum Monitor	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
308	0	8	K1262	H Secon Rad Temp	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.689) - 225.9							
309	0	8	K1263	A Rad. Mon. FET1	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
310	0	8	K1264	A Rad. Mon. FET3	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
311	0	8	K1265	HDoorBellowPress	V	Bar	
CURVE Eng. Value [Bar] = ((Binary Value * 39.06)/1000)-2							
312	0	8	K1266	E CCD 3 VBB	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
313	0	8	K1267	E CCD 3 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

314 0 8 K1268 E CCD 3 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

315 0 8 K1269 E CCD 3 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

316 0 8 K1270 E CCD 3 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

317 0 8 K1271 E CCD 3 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

318 0 8 K1272 E CCD 3 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

319 0 8 K1273 E CCD 3 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

320 0 8 K1274 E CCD 3 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

321 0 8 K1275 E CCD 3 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

322 0 8 K1276 E CCD 3 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

323 0 8 K1277 E CCD 3 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

324 0 8 K1278 E CCD 3 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

325 0 8 K1279 E CCD 3 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

326 0 8 K1280 E CCD 3 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

327 0 8 K1281 E CCD 3 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

328 0 8 K1282 E CCD 6 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

329 0 8 K1283 E CCD 6 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

330 0 8 K1284 E CCD 6 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

331 0 8 K1285 E CCD 6 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

332 0 8 K1286 E CCD 6 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

333 0 8 K1287 E CCD 6 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

334 0 8 K1288 E CCD 6 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

335 0 8 K1289 E CCD 6 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

336 0 8 K1290 E CCD 6 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

337 0 8 K1291 E CCD 6 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

338 0 8 K1292 E CCD 6 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

339 0 8 K1293 E CCD 6 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

340 0 8 K1294 E CCD 6 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

341 0 8 K1295 E CCD 6 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

342 0 8 K1296 E CCD 6 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

343 0 8 K1297 E CCD 6 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

344 0 1 K1298 A AnCh7/8 SeqRam V n/a
RAW MEANING
 0 Load
 1 Run

344 1 1 K1299 AAnCh7/8InbCtrlC V n/a
RAW MEANING
 0 OFF
 1 ON

344 2 1 K1300 AAnCh7/8InbCtrlB V n/a
RAW MEANING
 0 OFF
 1 ON

344 3 1 K1301 AAnCh7/8InbCtrlA V n/a
RAW MEANING
 0 OFF
 1 ON

344 4 1 FIX Fix bit pattern F n/a 0
CURVE

344 5 3 K1302 AAnCh7/8IntSimul V n/a
RAW MEANING
 0 ChainNorNod0
 1 ChainNorNod1
 2 Chain/10Nod0
 3 Chain/10Nod1
 4 SimulatorMax
 5 Simulator_/2
 6 Simulator_/4
 7 Simulator_/8

345	0	8	K1305	AAAnCh7/8GaNumSet	V	n/a	
CURVE							
346	0	7	K1306	AAAnCh7/8LoadAddL	V	n/a	
CURVE							
346	7	1	K1589	AAAnCh7/8DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
347	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
347	6	2	K1307	AAAnCh7/8LoadAddM	V	n/a	
RAW MEANING							
348	0	8	K1308	HFPlaneExtRanTem	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6							
349	0	8	K1309	AAAnCh7/8LoadData	V	n/a	
CURVE							
350	0	8	K1310	H FW Motor Temp	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.953) - 273							
351	0	8	K1311	A AE Electr Temp	V	degC	
CURVE Eng. Value [°C] = 89.794 - (Binary Value * 1.2723) + (Binary Value^2 * 6.9E-3) - (Binary Value^3 * 1.7E10-5)							
352	0	8	K1312	AFPNomThCoTemMo	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1							
353	0	8	K1313	A Rad. Mon. FET2	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
354	0	8	K1314	A Rad. Mon. FET4	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
355	0	8	K1315	H CH Electr Temp	V	degC	
CURVE Eng. Value [°C] = 58.08 - (Raw Value * 2.2888) + (Raw Value^2 * 2.9E-2) - (Raw Value^3 * 1.7E-4) + (Raw Value^4 *							
356	0	1	K1592	C AnCh3/4 SeqRam	V	n/a	
RAW MEANING							
0	Load						
1	Run						
356	1	1	K1593	CAnCh3/4InbCtrlC	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
356	2	1	K1594	CAnCh3/4InbCtrlB	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
356	3	1	K1595	CAnCh3/4InbCtrlA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
356	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
356	5	3	K1596	CAnCh3/4IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						

3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
357	0	1	K1599	C AnCh1/2 SeqRam	V	n/a			
RAW	MEANING								
0	Load								
1	Run								
357	1	1	K1600	CAnCh1/2InbCtrlC	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
357	2	1	K1601	CAnCh1/2InbCtrlB	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
357	3	1	K1602	CAnCh1/2InbCtrlA	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
357	4	1	FIX	Fix bit pattern	F	n/a			0
CURVE									
357	5	3	K1603	CAnCh1/2IntSimul	V	n/a			
RAW	MEANING								
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
358	0	1	K1606	C AnCh7/8 SeqRam	V	n/a			
RAW	MEANING								
0	Load								
1	Run								
358	1	1	K1607	CAnCh7/8InbCtrlC	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
358	2	1	K1608	CAnCh7/8InbCtrlB	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
358	3	1	K1609	CAnCh7/8InbCtrlA	V	n/a			
RAW	MEANING								
0	OFF								
1	ON								
358	4	1	FIX	Fix bit pattern	F	n/a			0
CURVE									
358	5	3	K1610	CAnCh7/8IntSimul	V	n/a			
RAW	MEANING								
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
359	0	1	K1613	C AnCh5/6 SeqRam	V	n/a			
RAW	MEANING								

0	Load							
1	Run							
359	1	1	K1614	CAnCh5/6InbCtrlC	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
359	2	1	K1615	CAnCh5/6InbCtrlB	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
359	3	1	K1616	CAnCh5/6InbCtrlA	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
359	4	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
359	5	3	K1617	CAnCh5/6IntSimul	V	n/a		
RAW MEANING								
0	ChainNorNod0							
1	ChainNorNod1							
2	Chain/10Nod0							
3	Chain/10Nod1							
4	SimulatorMax							
5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
360	0	8	FIX	Fix bit pattern	F	n/a	0	
CURVE								
361	0	32	FIX	Fix bit pattern	F	n/a		
CURVE								
365	0	1	K1316	CFWExpNomStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
365	1	2	FIX	Fix bit pattern	F	n/a	0	
CURVE								
365	3	3	K1624	CFWExAbsPosition	V	n/a		
RAW MEANING								
0	Open							
1	Filter D							
2	Filter C							
3	Filter B							
4	Filter A							
5	Closed							
6	IllegalValue							
7	Not Valid CS							
365	6	1	K1625	CFWExpRedStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
365	7	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
366	0	16	K1317	CFWActStepNumRef	V	n/a		
CURVE								
368	0	4	K1318	CGroup1SeqNumber	V	n/a		
CURVE								
368	4	12	K1319	C Group1 IntTime	V	sec		
CURVE Eng value [s] = Binary value * 0.1								

370	0	4	K1320	C Gr1 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
370	4	12	K1321	C Group1X0Posit.	V	n/a
CURVE						
372	0	4	K1322	C Gr1 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
372	4	12	K1323	C Group1Y0Posit.	V	n/a
CURVE						
374	0	4	K1324	CGroup1ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
374	4	12	K1325	C Group1 X Size	V	n/a
CURVE						
376	0	4	K1326	CGroup1ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
376	4	12	K1327	C Group1 Y Size	V	n/a
CURVE						
378	0	4	K1328	CGroup2SeqNumber	V	n/a
CURVE						
378	4	12	K1329	C Group2 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
380	0	4	K1330	C Gr2 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
380	4	12	K1331	C Group2X0Posit.	V	n/a
CURVE						
382	0	4	K1332	C Gr2 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
382	4	12	K1333	C Group2Y0Posit.	V	n/a
CURVE						
384	0	4	K1334	CGroup2ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
384	4	12	K1335	C Group2 X Size	V	n/a
CURVE						
386	0	4	K1336	CGroup2ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
386	4	12	K1337	C Group2 Y Size	V	n/a
CURVE						
388	0	4	K1338	CGroup3SeqNumber	V	n/a
CURVE						
388	4	12	K1339	C Group3 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
390	0	4	K1340	C Gr3 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					

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390	4	12	K1341	C Group3X0Posit.	V	n/a
CURVE						
392	0	4	K1342	C Gr3 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
392	4	12	K1343	C Group3Y0Posit.	V	n/a
CURVE						
394	0	4	K1344	CGroup3ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
394	4	12	K1345	C Group3 X Size	V	n/a
CURVE						
396	0	4	K1346	CGroup3ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
396	4	12	K1347	C Group3 Y Size	V	n/a
CURVE						
398	0	4	K1348	CGroup4SeqNumber	V	n/a
CURVE						
398	4	12	K1349	C Group4 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
400	0	4	K1350	C Gr4 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
400	4	12	K1351	C Group4X0Posit.	V	n/a
CURVE						
402	0	4	K1352	C Gr4 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
402	4	12	K1353	C Group4Y0Posit.	V	n/a
CURVE						
404	0	4	K1354	CGroup4ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
404	4	12	K1355	C Group4 X Size	V	n/a
CURVE						
406	0	4	K1356	CGroup4ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
406	4	12	K1357	C Group4 Y Size	V	n/a
CURVE						
408	0	2	K1358	CEDU0OperatioMod	V	n/a
RAW MEANING						
0	Stop					
1	Run					
2	Alternate					
408	2	2	K1359	CEDU0ScientifMod	V	n/a
RAW MEANING						
0	Transparent					
1	Timing					
2	Threshold					
3	Image					
408	4	3	K1360	CEDU0Node0TabOff	V	n/a
RAW MEANING						

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408	7	3	K1361	CEDU0Node1TabOff	V	n/a	
RAW MEANING							
409	2	3	K1362	CEDU0TabPattMask	V	n/a	
RAW MEANING							
409	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
410	0	2	K1363	CEDU1OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
410	2	2	K1364	CEDU1ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
410	4	3	K1365	CEDU1Node0TabOff	V	n/a	
RAW MEANING							
410	7	3	K1366	CEDU1Node1TabOff	V	n/a	
RAW MEANING							
411	2	3	K1367	CEDU1TabPattMask	V	n/a	
RAW MEANING							
411	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
412	0	2	K1368	CEDU2OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
412	2	2	K1369	CEDU2ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
412	4	3	K1370	CEDU2Node0TabOff	V	n/a	
RAW MEANING							
412	7	3	K1371	CEDU2Node1TabOff	V	n/a	
RAW MEANING							
413	2	3	K1372	CEDU2TabPattMask	V	n/a	
RAW MEANING							
413	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
414	0	2	K1373	CEDU3OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
414	2	2	K1374	CEDU3ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						

3	Image							
414	4	3	K1375	CEDU3Node0TabOff	V	n/a		
RAW MEANING								
414	7	3	K1376	CEDU3Node1TabOff	V	n/a		
RAW MEANING								
415	2	3	K1377	CEDU3TabPattMask	V	n/a		
RAW MEANING								
415	5	3	FIX	Fix bit pattern	F	n/a	0	
CURVE								
416	0	2	K1378	CEDU4OperatioMod	V	n/a		
RAW MEANING								
0	Stop							
1	Run							
2	Alternate							
416	2	2	K1379	CEDU4ScientifMod	V	n/a		
RAW MEANING								
0	Transparent							
1	Timing							
2	Threshold							
3	Image							
416	4	3	K1380	CEDU4Node0TabOff	V	n/a		
RAW MEANING								
416	7	3	K1381	CEDU4Node1TabOff	V	n/a		
RAW MEANING								
417	2	3	K1382	CEDU4TabPattMask	V	n/a		
RAW MEANING								
417	5	3	FIX	Fix bit pattern	F	n/a	0	
CURVE								
418	0	2	K1383	CEDU5OperatioMod	V	n/a		
RAW MEANING								
0	Stop							
1	Run							
2	Alternate							
418	2	2	K1384	CEDU5ScientifMod	V	n/a		
RAW MEANING								
0	Transparent							
1	Timing							
2	Threshold							
3	Image							
418	4	3	K1385	CEDU5Node0TabOff	V	n/a		
RAW MEANING								
418	7	3	K1386	CEDU5Node1TabOff	V	n/a		
RAW MEANING								
419	2	3	K1387	CEDU5TabPattMask	V	n/a		
RAW MEANING								
419	5	3	FIX	Fix bit pattern	F	n/a	0	
CURVE								
420	0	2	K1388	CEDU6OperatioMod	V	n/a		
RAW MEANING								
0	Stop							
1	Run							
2	Alternate							

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420	2	2	K1389	CEDU6ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
420	4	3	K1390	CEDU6Node0TabOff	V	n/a	
RAW MEANING							
420	7	3	K1391	CEDU6Node1TabOff	V	n/a	
RAW MEANING							
421	2	3	K1392	CEDU6TabPattMask	V	n/a	
RAW MEANING							
421	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
422	0	2	K1393	CEDU7OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
422	2	2	K1394	CEDU7ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
422	4	3	K1395	CEDU7Node0TabOff	V	n/a	
RAW MEANING							
422	7	3	K1396	CEDU7Node1TabOff	V	n/a	
RAW MEANING							
423	2	3	K1397	CEDU7TabPattMask	V	n/a	
RAW MEANING							
423	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
424	0	16	K1398	C EDU0Node0Thres	V	n/a	
CURVE							
426	0	16	K1399	C EDU0Node1Thres	V	n/a	
CURVE							
428	0	16	K1400	C EDU1Node0Thres	V	n/a	
CURVE							
430	0	16	K1401	C EDU1Node1Thres	V	n/a	
CURVE							
432	0	16	K1402	C EDU2Node0Thres	V	n/a	
CURVE							
434	0	16	K1403	C EDU2Node1Thres	V	n/a	
CURVE							
436	0	16	K1404	C EDU3Node0Thres	V	n/a	
CURVE							
438	0	16	K1405	C EDU3Node1Thres	V	n/a	
CURVE							

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440	0	16	K1406	C EDU4Node0Thres	V	n/a
CURVE						
442	0	16	K1407	C EDU4Node1Thres	V	n/a
CURVE						
444	0	16	K1408	C EDU5Node0Thres	V	n/a
CURVE						
446	0	16	K1409	C EDU5Node1Thres	V	n/a
CURVE						
448	0	16	K1410	C EDU6Node0Thres	V	n/a
CURVE						
450	0	16	K1411	C EDU6Node1Thres	V	n/a
CURVE						
452	0	16	K1412	C EDU7Node0Thres	V	n/a
CURVE						
454	0	16	K1413	C EDU7Node1Thres	V	n/a
CURVE						
456	0	4	K1414	C Selected EDU	V	n/a
CURVE						
456	4	12	K1415	C TestImageHighEn	V	n/a
CURVE						
458	0	1	K1416	C TestConfigType	V	n/a
RAW MEANING						
0	Loaded Image					
1	Built Image					
458	1	3	K1417	CTstConfigPatter	V	n/a
RAW MEANING						
458	4	12	K1418	C TestImageLowEn	V	n/a
CURVE						
460	0	1	K1419	C AnnDriveStatus	V	n/a
RAW MEANING						
0	OFF					
1	ON					
460	1	2	K1420	C FW OpConfMotor	V	n/a
RAW MEANING						
0	Both ON					
1	Nominal ON					
2	Redundant ON					
460	3	1	K1421	C FWOpConfRotDir	V	n/a
RAW MEANING						
0	Forward					
1	Backward					
460	4	1	K1422	CFWOpConfRotMode	V	n/a
RAW MEANING						
0	Normal					
1	Step					
460	5	11	K1423	CFWOpConfReqPosS	V	n/a
CURVE						
462	0	8	K1424	C Ann.Min.Tem.Set	V	degC
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6					

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463	0	8	K1425	CAnn.Max.Tem.Set	V	degC	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6						
464	0	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
464	3	1	K1426	CFWStatusTimeOut	V	n/a	
RAW MEANING							
0	NoTimeoutErr						
1	TimeoutError						
464	4	1	K1427	C FWStatusPosErr	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
464	5	11	K1428	CFWStatusEMReqSt	V	n/a	
CURVE							
466	0	8	K1429	C Rej DH Cm Cnt	V	n/a	
CURVE							
467	0	8	K1430	C Last Ac DH Com	V	n/a	
CURVE							
468	0	8	K1431	C EDU Cm OK Cnt	V	n/a	
CURVE							
469	0	8	K1432	C EDU Cm Rec Cnt	V	n/a	
CURVE							
470	0	8	K1433	C EDU Cm Rej Cnt	V	n/a	
CURVE							
471	0	8	K1434	C EDUTabLoaOKCnt	V	n/a	
CURVE							
472	0	8	K1435	CEDUTabLoaRecCnt	V	n/a	
CURVE							
473	0	8	K1436	CEDUTabLoaRejCnt	V	n/a	
CURVE							
474	0	8	K1437	C FIFOEDUCmRej16	V	n/a	
CURVE							
475	0	8	K1438	C FIFOEDUCmRej15	V	n/a	
CURVE							
476	0	8	K1439	C FIFOEDUCmRej14	V	n/a	
CURVE							
477	0	8	K1440	C FIFOEDUCmRej13	V	n/a	
CURVE							
478	0	8	K1441	C FIFOEDUCmRej12	V	n/a	
CURVE							
479	0	8	K1442	C FIFOEDUCmRej11	V	n/a	
CURVE							
480	0	8	K1443	C FIFOEDUCmRej10	V	n/a	
CURVE							
481	0	8	K1444	C FIFOEDUCmRej9	V	n/a	
CURVE							

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482 CURVE	0	8	K1445	C FIFOEDUCmRej8	V	n/a
483 CURVE	0	8	K1446	C FIFOEDUCmRej7	V	n/a
484 CURVE	0	8	K1447	C FIFOEDUCmRej6	V	n/a
485 CURVE	0	8	K1448	C FIFOEDUCmRej5	V	n/a
486 CURVE	0	8	K1449	C FIFOEDUCmRej4	V	n/a
487 CURVE	0	8	K1450	C FIFOEDUCmRej3	V	n/a
488 CURVE	0	8	K1451	C FIFOEDUCmRej2	V	n/a
489 CURVE	0	8	K1452	C FIFOEDUCmRej1	V	n/a
490 CURVE	0	8	K1453	C EMAE Cm OK Cnt	V	n/a
491 CURVE	0	8	K1454	CEMAE Cm Rec Cnt	V	n/a
492 CURVE	0	8	K1455	CEMAE Cm Rej Cnt	V	n/a
493 CURVE	0	8	K1456	CEMAESeqLoaOKCnt	V	n/a
494 CURVE	0	8	K1457	CEMAESeqLdRecCnt	V	n/a
495 CURVE	0	8	K1458	CEMAESeqLdRejCnt	V	n/a
496 CURVE	0	8	K1459	CFIFOEMAECmRej16	V	n/a
497 CURVE	0	8	K1460	CFIFOEMAECmRej15	V	n/a
498 CURVE	0	8	K1461	CFIFOEMAECmRej14	V	n/a
499 CURVE	0	8	K1462	CFIFOEMAECmRej13	V	n/a
500 CURVE	0	8	K1463	CFIFOEMAECmRej12	V	n/a
501 CURVE	0	8	K1464	CFIFOEMAECmRej11	V	n/a
502 CURVE	0	8	K1465	CFIFOEMAECmRej10	V	n/a

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503	0	8	K1466	CFIFOEMAECmRej9	V	n/a	
CURVE							
504	0	8	K1467	CFIFOEMAECmRej8	V	n/a	
CURVE							
505	0	8	K1468	CFIFOEMAECmRej7	V	n/a	
CURVE							
506	0	8	K1469	CFIFOEMAECmRej6	V	n/a	
CURVE							
507	0	8	K1470	CFIFOEMAECmRej5	V	n/a	
CURVE							
508	0	8	K1471	CFIFOEMAECmRej4	V	n/a	
CURVE							
509	0	8	K1472	CFIFOEMAECmRej3	V	n/a	
CURVE							
510	0	8	K1473	CFIFOEMAECmRej2	V	n/a	
CURVE							
511	0	8	K1474	CFIFOEMAECmRej1	V	n/a	
CURVE							
512	0	8	K1475	C BootS/Wversion	V	n/a	
CURVE							
513	0	8	K1476	C RAM SW version	V	n/a	
CURVE							
514	0	1	K1477	C PW ON Test RAM	V	n/a	
RAW MEANING							
0	Failed						
1	Passed						
514	1	1	K1478	CPWONTestROMBoot	V	n/a	
RAW MEANING							
0	Failed						
1	Passed						
514	2	1	K1479	CPWONTestROMProg	V	n/a	
RAW MEANING							
0	Failed						
1	Passed						
514	3	1	K1480	CPWONTestRAMProg	V	n/a	
RAW MEANING							
0	Failed						
1	Passed						
514	4	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
515	0	1	K1628	C Group 4 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
515	1	1	K1627	C Group 3 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
515	2	1	K1626	C Group 2 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						

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515	3	1	K1481	C Group 1 EITF	V	n/a
RAW MEANING						
0	Not Occured					
1	Occured					
515	4	4	K1482	C Operating Mode	V	n/a
RAW MEANING						
0	Initializat.					
1	Stand-By					
2	Observation					
3	Test					
4	Annealing					

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40002	1664	Succ. Command Accep.	3	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0331

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40003	1664	UnsComAc-IllegalAPID	3	2	N/A	N/A	N/A	N/A	0		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 0000						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	0		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE			
40004	1664	UnsComEx-Parameters	3	4	N/A	N/A	N/A	N/A	130			
Offset Word 0: 8E80												
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value			
0	3	Version Number	F	4	0	48	Time	V	X			
3	1	Type	F	0								
4	1	Data Field Header Flag	F	1								
5	11	APID	F	1664								
Offset Word 1: variable												
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value			
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X			
2	14	Source Sequence Count	V	X								
Offset Word 2: variable												
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value			
0	16	Packet Length	V	X	0	8	Error Code	F	130			
Offset Word 3: 0334												
Bit	Width	Name	F/V	Value								
0	6	Spare	F	0								
6	2	Checksum Flag	F	3								
8	4	Packet Type	F	3								
12	4	Packet Subtype	F	4								
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					

CURVE

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40005	1664	Initialization Log	4	1	0	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	8	SID	F	0
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	14	FIX	Fix bit pattern	F	n/a	0					
CURVE												
17	6	1	K1694	MasInReEDACcheck	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
17	7	1	K1695	MasterInitRepBIT	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
18	0	16	K1696	MasInRepSPROMCRC	V	n/a						
CURVE												
20	0	16	K1697	MasIniRepPROCrc	V	n/a						
CURVE												
22	0	16	K1698	MasIniRepRAMrslt	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1699	MasInReFaultPGnm	V	n/a						
CURVE												
26	0	16	K1700	MasInReFaultPGof	V	n/a						
CURVE												

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28	0	16	K1701	MasInitRepRAMcrc	V	n/a	
CURVE							
30	0	14	FIX	Fix bit pattern	F	n/a	0
CURVE							
31	6	1	K1702	SciInReEDACcheck	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
31	7	1	K1703	SciInitReportBIT	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
32	0	16	K1704	SciInitRepSPROM	V	n/a	
CURVE							
34	0	16	K1705	SciInitRepRAMcrc	V	n/a	
CURVE							
36	0	16	K1706	LoadResidPerProc	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
38	0	16	K1707	ThermControlFlag	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
40	0	16	K1708	UnloadInitpr1ssb	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
42	0	16	K1710	EMCR HK DataFlag	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
44	0	16	K1068	C EDU 0 Status	V	n/a	
CURVE							
46	0	16	K1069	C EDU 1 Status	V	n/a	
CURVE							
48	0	16	K1070	C EDU 2 Status	V	n/a	
CURVE							
50	0	16	K1071	C EDU 3 Status	V	n/a	
CURVE							
52	0	16	K1072	C EDU 4 Status	V	n/a	
CURVE							
54	0	16	K1073	C EDU 5 Status	V	n/a	
CURVE							
56	0	16	K1074	C EDU 6 Status	V	n/a	
CURVE							
58	0	16	K1075	C EDU 7 Status	V	n/a	
CURVE							
60	0	8	K1076	C EMAE -6 V Line	V	V	
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082						

61	0	8	K1077	C EMAE +6 V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082					
62	0	8	K1078	C EMAE -13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.195					
63	0	8	K1079	C EMAE +13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.195					
64	0	8	K1080	C EMAE +28V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.414					
65	0	8	K1081	C EMAE +18V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.260					
66	0	8	K1082	C Signal Ground	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.039					
67	0	8	K1083	C EMAE +32V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.466					
68	0	8	K1084	V EMVC Temp. #1	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
69	0	8	K1085	C EMCR Temp. #1	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
70	0	8	K1086	C EMCR +5 V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082					
71	0	8	K1087	V EMVC Temp. #2	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
72	0	8	K1088	C EMCR -13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.205					
73	0	8	K1089	C EMCR +13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.205					

74 0 8 FIX Fix bit pattern F n/a 0
CURVE

75 0 8 K1090 C EMCR Temp. #2 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

76 0 8 K1091 CEMAECmEchoErCnt V n/a
CURVE

77 0 8 K1092 CEMAELsWrEchoCom V n/a
RAW MEANING

78 0 8 K1093 E CCD 1 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

79 0 8 K1094 E CCD 1 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

80 0 8 K1095 E CCD 1 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

81 0 8 K1096 E CCD 1 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

82 0 8 K1097 E CCD 1 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

83 0 8 K1098 E CCD 1 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

84 0 8 K1099 E CCD 1 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

85 0 8 K1100 E CCD 1 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

86 0 8 K1101 E CCD 1 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

87 0 8 K1102 E CCD 1 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

88 0 8 K1103 E CCD 1 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

89 0 8 K1104 E CCD 1 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

90 0 8 K1105 E CCD 1 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

91 0 8 K1106 E CCD 1 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

92 0 8 K1107 E CCD 1 RESET 2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

93 0 8 K1108 E CCD 1 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

94 0 1 K1109 A AnCh1/2 SeqRam V n/a
RAW MEANING
0 Load
1 Run

94 1 1 K1110 AAnCh1/2InbCtrlC V n/a
RAW MEANING
0 OFF
1 ON

94 2 1 K1111 AAnCh1/2InbCtrlB V n/a
RAW MEANING
0 OFF
1 ON

94 3 1 K1112 AAnCh1/2InbCtrlA V n/a
RAW MEANING
0 OFF
1 ON

94 4 1 FIX Fix bit pattern F n/a 0
CURVE

94 5 3 K1113 AAnCh1/2IntSimul V n/a
RAW MEANING
0 ChainNorNod0
1 ChainNorNod1
2 Chain/10Nod0
3 Chain/10Nod1
4 SimulatorMax

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5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
95	0	8	K1116	AAAnCh1/2GaNumSet	V	n/a		
CURVE								
96	0	7	K1117	AAAnCh1/2LoadAddL	V	n/a		
CURVE								
96	7	1	K1586	AAAnCh1/2DataBySe	V	n/a		
RAW MEANING								
0	Low							
1	High							
97	0	6	FIX	Fix bit pattern	F	n/a	0	
CURVE								
97	6	2	K1118	AAAnCh1/2LoadAddM	V	n/a		
RAW MEANING								
98	0	1	K1119	A Seq PC FW Mode	V	n/a		
RAW MEANING								
0	Load							
1	Run							
98	1	1	K1120	A SeqPCFWDrvInbC	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	2	1	K1121	A SeqPCFWDrvInbB	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	3	1	K1122	A SeqPCFWDrvInbA	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	4	2	FIX	Fix bit pattern	F	n/a	0	
CURVE								
98	6	1	K1123	ASeqPCWhDrvDirec	V	n/a		
RAW MEANING								
0	Forward							
1	Backward							
98	7	1	K1124	A SeqPCWhMovTrig	V	n/a		
RAW MEANING								
99	0	8	K1125	AAAnCh1/2LoadData	V	n/a		
CURVE								
100	0	7	K1126	A SeqFW LoadAddL	V	n/a		
CURVE								
100	7	1	K1590	A SeqFW DataBySe	V	n/a		
RAW MEANING								
0	Low							
1	High							
101	0	6	FIX	Fix bit pattern	F	n/a	0	
CURVE								
101	6	2	K1127	A SeqFW LoadAddM	V	n/a		
RAW MEANING								
102	0	8	K1128	A FWActStepCntM	V	n/a		
CURVE								

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103	0	8	K1129	A SeqFW LoadData	V	n/a	
CURVE							
104	0	1	K1130	A AnCh8 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	1	1	K1131	A AnCh7 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	2	1	K1132	A AnCh6 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	3	1	K1133	A AnCh5 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	4	1	K1134	A AnCh4 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	5	1	K1135	A AnCh3 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	6	1	K1136	A AnCh2 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	7	1	K1137	A AnCh1 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
105	0	8	K1138	A FWActStepCntL	V	n/a	
CURVE							
106	0	2	FIX	Fix bit pattern	F	n/a	0
CURVE							
106	2	1	K1139	H PreAmp14 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	3	1	K1140	H PreAmp13 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	4	1	K1141	H PreAmp12 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	5	1	K1142	H PreAmp11 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	6	1	K1143	H PreAmp10 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	7	1	K1144	H PreAmp09 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						

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107	0	1	K1145	H PreAmp01 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	1	1	K1146	H PreAmp02 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	2	1	K1147	H PreAmp03 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	3	1	K1148	H PreAmp04 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	4	1	K1149	H PreAmp05 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	5	1	K1150	H PreAmp06 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	6	1	K1151	H PreAmp07 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	7	1	K1152	H PreAmp08 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
108	0	1	K1153	ASeq7/8ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	1	1	K1154	ASeq5/6ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	2	1	K1155	ASeq3/4ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	3	1	K1156	ASeq1/2ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	4	1	K1157	ASeq7/8FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	5	1	K1158	ASeq5/6FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	6	1	K1159	ASeq3/4FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	7	1	K1160	ASeq1/2FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					

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109	0	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
109	4	1	K1161	AFPTCPwStAnHeReD	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	5	1	K1162	AFPTCPwStVacuSen	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	6	1	K1163	AFPTCPwStTemConR	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	7	1	K1164	AFPTCPwStTemConN	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
110	0	8	K1165	E CCD 2 VBB	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
111	0	8	K1166	E CCD 2 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							
112	0	8	K1167	E CCD 2 VID	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
113	0	8	K1168	E CCD 2 VGR	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
114	0	8	K1169	E CCD 2 VRD1	V	V	
CURVE Eng. Value [V] = Binary Value * 0.081							
115	0	8	K1170	E CCD 2 VOG1	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							
116	0	8	K1171	E CCD 2 VOG2	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

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117 0 8 K1172 E CCD 2 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

118 0 8 K1173 E CCD 2 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

119 0 8 K1174 E CCD 2 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

120 0 8 K1175 E CCD 2 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

121 0 8 K1176 E CCD 2 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

122 0 8 K1177 E CCD 2 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

123 0 8 K1178 E CCD 2 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

124 0 8 K1179 E CCD2 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

125 0 8 K1180 E CCD2 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

126 0 8 K1181 E CCD 5 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

127 0 8 K1182 E CCD 5 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

128 0 8 K1183 E CCD 5 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

129 0 8 K1184 E CCD 5 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

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130 0 8 K1185 E CCD 5 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

131 0 8 K1186 E CCD 5 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

132 0 8 K1187 E CCD 5 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

133 0 8 K1188 E CCD 5 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

134 0 8 K1189 E CCD 5 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

135 0 8 K1190 E CCD 5 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

136 0 8 K1191 E CCD 5 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

137 0 8 K1192 E CCD 5 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

138 0 8 K1193 E CCD 5 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

139 0 8 K1194 E CCD 5 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

140 0 8 K1195 E CCD 5 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

141 0 8 K1196 E CCD 5 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

142	0	1	K1197	A AnCh3/4 SeqRam	V	n/a	
RAW MEANING							
0	Load						
1	Run						
142	1	1	K1198	AAnCh3/4InbCtrlC	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	2	1	K1199	AAnCh3/4InbCtrlB	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	3	1	K1200	AAnCh3/4InbCtrlA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
142	5	3	K1201	AAnCh3/4IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
143	0	8	K1204	AAnCh3/4GaNumSet	V	n/a	
CURVE							
144	0	7	K1205	AAnCh3/4LoadAddL	V	n/a	
CURVE							
144	7	1	K1587	AAnCh3/4DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
145	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
145	6	2	K1206	AAnCh3/4LoadAddM	V	n/a	
RAW MEANING							
146	0	8	K1207	AFPNomThCoTemSet	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168							
147	0	8	K1208	AAnCh3/4LoadData	V	n/a	
CURVE							
148	0	8	K1209	E CCD 4 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

149 0 8 K1210 AFPRedThCoTemSet V degC
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168

150 0 8 K1211 E CCD 4 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

151 0 8 K1212 E CCD 4 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

152 0 8 K1213 E CCD 4 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

153 0 8 K1214 E CCD 4 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

154 0 8 K1215 E CCD 4 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

155 0 8 K1216 E CCD 4 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

156 0 8 K1217 E CCD 4 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

157 0 8 K1218 E CCD 4 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

158 0 8 K1219 E CCD 4 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

159 0 8 K1220 E CCD 4 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

160 0 8 K1221 E CCD 4 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

161 0 8 K1222 E CCD 4 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

162 0 8 K1223 E CCD 4 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

163 0 8 K1224 E CCD 4 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

164 0 8 K1225 E CCD 7 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

165 0 8 K1226 E CCD 4 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

166 0 8 K1227 E CCD 7 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

167 0 8 K1228 E CCD 7 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

168 0 8 K1229 E CCD 7 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

169 0 8 K1230 E CCD 7 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

170 0 8 K1231 E CCD 7 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

171 0 8 K1232 E CCD 7 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

172 0 8 K1233 E CCD 7 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

173 0 8 K1234 E CCD 7 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

174 0 8 K1235 E CCD 7 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

175 0 8 K1236 E CCD 7 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

176 0 8 K1237 E CCD 7 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

177 0 8 K1238 E CCD 7 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

178 0 8 K1239 E CCD 7 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

179 0 8 K1240 E CCD 7 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

180 0 8 K1241 AAnCh5/6GaNumSet V n/a
CURVE

181 0 8 K1242 E CCD 7 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

182 0 6 FIX Fix bit pattern F n/a 0
CURVE

182 6 2 K1243 AAnCh5/6LoadAddM V n/a
RAW MEANING

183 0 1 K1244 A AnCh5/6 SeqRam V n/a
RAW MEANING

0 Load
 1 Run

183 1 1 K1245 AAnCh5/6InbCtrlC V n/a
RAW MEANING

0 OFF
 1 ON

183 2 1 K1246 AAnCh5/6InbCtrlB V n/a
RAW MEANING

0 OFF
 1 ON

183 3 1 K1247 AAnCh5/6InbCtrlA V n/a
RAW MEANING

0 OFF
 1 ON

183 4 1 FIX Fix bit pattern F n/a 0
CURVE

183	5	3	K1248	AAAnCh5/6IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
184	0	8	K1251	AAAnCh5/6LoadData	V	n/a	
CURVE							
185	0	7	K1252	AAAnCh5/6LoadAddL	V	n/a	
CURVE							
185	7	1	K1588	AAAnCh5/6DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
186	0	8	K1253	H FPlanNorRanTem	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.357) - 159							
187	0	1	K1254	H FW NominalStop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
187	1	1	K1255	HDoorBellowState	V	n/a	
RAW MEANING							
0	Retracted						
1	NotRetracted						
187	2	1	K1256	H Door Open uSw	V	n/a	
RAW MEANING							
0	Open						
1	Closed						
187	3	3	K1257	H FW Position	V	n/a	
RAW MEANING							
0	Open						
1	Filter D						
2	Filter C						
3	Filter B						
4	Filter A						
5	Closed						
6	IllegalValue						
7	Not Valid CS						
187	6	1	K1258	H FW Redund Stop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
187	7	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
188	0	8	K1260	AFPRedThCoTemMon	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1							
189	0	8	K1261	H Vacuum Monitor	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
190	0	8	K1262	H Secon Rad Temp	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.689) - 225.9							
191	0	8	K1263	A Rad. Mon. FET1	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							

192 0 8 K1264 A Rad. Mon. FET3 V mV
CURVE Eng. Value [mV] = Binary Value * 39.06

193 0 8 K1265 HDoorBellowPress V Bar
CURVE Eng. Value [Bar] = ((Binary Value * 39.06)/1000)-2

194 0 8 K1266 E CCD 3 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

195 0 8 K1267 E CCD 3 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

196 0 8 K1268 E CCD 3 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

197 0 8 K1269 E CCD 3 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

198 0 8 K1270 E CCD 3 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

199 0 8 K1271 E CCD 3 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

200 0 8 K1272 E CCD 3 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

201 0 8 K1273 E CCD 3 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

202 0 8 K1274 E CCD 3 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

203 0 8 K1275 E CCD 3 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

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204 0 8 K1276 E CCD 3 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

205 0 8 K1277 E CCD 3 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

206 0 8 K1278 E CCD 3 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

207 0 8 K1279 E CCD 3 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

208 0 8 K1280 E CCD 3 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

209 0 8 K1281 E CCD 3 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

210 0 8 K1282 E CCD 6 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

211 0 8 K1283 E CCD 6 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

212 0 8 K1284 E CCD 6 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

213 0 8 K1285 E CCD 6 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

214 0 8 K1286 E CCD 6 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

215 0 8 K1287 E CCD 6 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

216 0 8 K1288 E CCD 6 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

217 0 8 K1289 E CCD 6 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

218 0 8 K1290 E CCD 6 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

219 0 8 K1291 E CCD 6 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

220 0 8 K1292 E CCD 6 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

221 0 8 K1293 E CCD 6 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

222 0 8 K1294 E CCD 6 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

223 0 8 K1295 E CCD 6 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

224 0 8 K1296 E CCD 6 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

225 0 8 K1297 E CCD 6 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

226 0 1 K1298 A AnCh7/8 SeqRam V n/a
RAW MEANING
 0 Load
 1 Run

226 1 1 K1299 AAnCh7/8InbCtrlC V n/a
RAW MEANING
 0 OFF
 1 ON

226 2 1 K1300 AAnCh7/8InbCtrlB V n/a
RAW MEANING
 0 OFF
 1 ON

226	3	1	K1301	AAAnCh7/8InbCtrlA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
226	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
226	5	3	K1302	AAAnCh7/8IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
227	0	8	K1305	AAAnCh7/8GaNumSet	V	n/a	
CURVE							
228	0	7	K1306	AAAnCh7/8LoadAddL	V	n/a	
CURVE							
228	7	1	K1589	AAAnCh7/8DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
229	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
229	6	2	K1307	AAAnCh7/8LoadAddM	V	n/a	
RAW MEANING							
230	0	8	K1308	HFPlaneExtRanTem	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6							
231	0	8	K1309	AAAnCh7/8LoadData	V	n/a	
CURVE							
232	0	8	K1310	H FW Motor Temp	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.953) - 273							
233	0	8	K1311	A AE Electr Temp	V	degC	
CURVE Eng. Value [°C] = 89.794 - (Binary Value * 1.2723) + (Binary Value^2 * 6.9E-3) - (Binary Value^3 * 1.7E10-5)							
234	0	8	K1312	AFPNomThCoTemMo	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1							
235	0	8	K1313	A Rad. Mon. FET2	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
236	0	8	K1314	A Rad. Mon. FET4	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
237	0	8	K1315	H CH Electr Temp	V	degC	
CURVE Eng. Value [°C] = 58.08 - (Raw Value * 2.2888) + (Raw Value^2 * 2.9E-2) - (Raw Value^3 * 1.7E-4) + (Raw Value^4 *							
238	0	1	K1592	C AnCh3/4 SeqRam	V	n/a	
RAW MEANING							
0	Load						
1	Run						
238	1	1	K1593	CAnCh3/4InbCtrlC	V	n/a	
RAW MEANING							
0	OFF						

1	ON								
238	2	1	K1594	CAnCh3/4InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
238	3	1	K1595	CAnCh3/4InbCtrlA	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
238	4	1	FIX	Fix bit pattern	F	n/a	0		
CURVE									
238	5	3	K1596	CAnCh3/4IntSimul	V	n/a			
RAW MEANING									
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
239	0	1	K1599	C AnCh1/2 SeqRam	V	n/a			
RAW MEANING									
0	Load								
1	Run								
239	1	1	K1600	CAnCh1/2InbCtrlC	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	2	1	K1601	CAnCh1/2InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	3	1	K1602	CAnCh1/2InbCtrlA	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	4	1	FIX	Fix bit pattern	F	n/a	0		
CURVE									
239	5	3	K1603	CAnCh1/2IntSimul	V	n/a			
RAW MEANING									
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
240	0	1	K1606	C AnCh7/8 SeqRam	V	n/a			
RAW MEANING									
0	Load								
1	Run								
240	1	1	K1607	CAnCh7/8InbCtrlC	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
240	2	1	K1608	CAnCh7/8InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
240	3	1	K1609	CAnCh7/8InbCtrlA	V	n/a			
RAW MEANING									

0	OFF							
1	ON							
240	4	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
240	5	3	K1610	CAnCh7/8IntSimul	V	n/a		
RAW MEANING								
0	ChainNorNod0							
1	ChainNorNod1							
2	Chain/10Nod0							
3	Chain/10Nod1							
4	SimulatorMax							
5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
241	0	1	K1613	C AnCh5/6 SeqRam	V	n/a		
RAW MEANING								
0	Load							
1	Run							
241	1	1	K1614	CAnCh5/6InbCtrlC	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	2	1	K1615	CAnCh5/6InbCtrlB	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	3	1	K1616	CAnCh5/6InbCtrlA	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	4	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
241	5	3	K1617	CAnCh5/6IntSimul	V	n/a		
RAW MEANING								
0	ChainNorNod0							
1	ChainNorNod1							
2	Chain/10Nod0							
3	Chain/10Nod1							
4	SimulatorMax							
5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
242	0	8	FIX	Fix bit pattern	F	n/a	0	
CURVE								
243	0	32	FIX	Fix bit pattern	F	n/a	0	
CURVE								
247	0	1	K1316	CFWExpNomStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
247	1	2	FIX	Fix bit pattern	F	n/a	0	
CURVE								
247	3	3	K1624	CFWExAbsPosition	V	n/a		
RAW MEANING								
0	Open							
1	Filter D							
2	Filter C							
3	Filter B							
4	Filter A							
5	Closed							

6	IllegalValue							
7	Not Valid CS							
247	6	1	K1625	CFWExpRedStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
247	7	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
248	0	16	K1317	CFWActStepNumRef	V	n/a		
CURVE								
250	0	4	K1318	CGroup1SeqNumber	V	n/a		
CURVE								
250	4	12	K1319	C Group1 IntTime	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
252	0	4	K1320	C Gr1 FrstCyDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
252	4	12	K1321	C Group1X0Posit.	V	n/a		
CURVE								
254	0	4	K1322	C Gr1 FrstCyDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
254	4	12	K1323	C Group1Y0Posit.	V	n/a		
CURVE								
256	0	4	K1324	CGroup1ReaOuDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
256	4	12	K1325	C Group1 X Size	V	n/a		
CURVE								
258	0	4	K1326	CGroup1ReaOuDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
258	4	12	K1327	C Group1 Y Size	V	n/a		
CURVE								
260	0	4	K1328	CGroup2SeqNumber	V	n/a		
CURVE								
260	4	12	K1329	C Group2 IntTime	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
262	0	4	K1330	C Gr2 FrstCyDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
262	4	12	K1331	C Group2X0Posit.	V	n/a		
CURVE								
264	0	4	K1332	C Gr2 FrstCyDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
264	4	12	K1333	C Group2Y0Posit.	V	n/a		
CURVE								
266	0	4	K1334	CGroup2ReaOuDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
266	4	12	K1335	C Group2 X Size	V	n/a		
CURVE								

268	0	4	K1336	CGroup2ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
268	4	12	K1337	C Group2 Y Size	V	n/a
CURVE						
270	0	4	K1338	CGroup3SeqNumber	V	n/a
CURVE						
270	4	12	K1339	C Group3 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
272	0	4	K1340	C Gr3 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
272	4	12	K1341	C Group3X0Posit.	V	n/a
CURVE						
274	0	4	K1342	C Gr3 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
274	4	12	K1343	C Group3Y0Posit.	V	n/a
CURVE						
276	0	4	K1344	CGroup3ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
276	4	12	K1345	C Group3 X Size	V	n/a
CURVE						
278	0	4	K1346	CGroup3ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
278	4	12	K1347	C Group3 Y Size	V	n/a
CURVE						
280	0	4	K1348	CGroup4SeqNumber	V	n/a
CURVE						
280	4	12	K1349	C Group4 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
282	0	4	K1350	C Gr4 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
282	4	12	K1351	C Group4X0Posit.	V	n/a
CURVE						
284	0	4	K1352	C Gr4 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
284	4	12	K1353	C Group4Y0Posit.	V	n/a
CURVE						
286	0	4	K1354	CGroup4ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
286	4	12	K1355	C Group4 X Size	V	n/a
CURVE						
288	0	4	K1356	CGroup4ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					

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288	4	12	K1357	C Group4 Y Size	V	n/a	
CURVE							
290	0	2	K1358	CEDU0OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
290	2	2	K1359	CEDU0ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
290	4	3	K1360	CEDU0Node0TabOff	V	n/a	
RAW MEANING							
290	7	3	K1361	CEDU0Node1TabOff	V	n/a	
RAW MEANING							
291	2	3	K1362	CEDU0TabPattMask	V	n/a	
RAW MEANING							
291	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
292	0	2	K1363	CEDU1OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
292	2	2	K1364	CEDU1ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
292	4	3	K1365	CEDU1Node0TabOff	V	n/a	
RAW MEANING							
292	7	3	K1366	CEDU1Node1TabOff	V	n/a	
RAW MEANING							
293	2	3	K1367	CEDU1TabPattMask	V	n/a	
RAW MEANING							
293	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
294	0	2	K1368	CEDU2OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
294	2	2	K1369	CEDU2ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
294	4	3	K1370	CEDU2Node0TabOff	V	n/a	
RAW MEANING							
294	7	3	K1371	CEDU2Node1TabOff	V	n/a	
RAW MEANING							

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295	2	3	K1372	CEDU2TabPattMask	V	n/a	
RAW MEANING							
295	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
296	0	2	K1373	CEDU3OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
296	2	2	K1374	CEDU3ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
296	4	3	K1375	CEDU3Node0TabOff	V	n/a	
RAW MEANING							
296	7	3	K1376	CEDU3Node1TabOff	V	n/a	
RAW MEANING							
297	2	3	K1377	CEDU3TabPattMask	V	n/a	
RAW MEANING							
297	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
298	0	2	K1378	CEDU4OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
298	2	2	K1379	CEDU4ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
298	4	3	K1380	CEDU4Node0TabOff	V	n/a	
RAW MEANING							
298	7	3	K1381	CEDU4Node1TabOff	V	n/a	
RAW MEANING							
299	2	3	K1382	CEDU4TabPattMask	V	n/a	
RAW MEANING							
299	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
300	0	2	K1383	CEDU5OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
300	2	2	K1384	CEDU5ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						

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300	4	3	K1385	CEDU5Node0TabOff	V	n/a	
RAW MEANING							
300	7	3	K1386	CEDU5Node1TabOff	V	n/a	
RAW MEANING							
301	2	3	K1387	CEDU5TabPattMask	V	n/a	
RAW MEANING							
301	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
302	0	2	K1388	CEDU6OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
302	2	2	K1389	CEDU6ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
302	4	3	K1390	CEDU6Node0TabOff	V	n/a	
RAW MEANING							
302	7	3	K1391	CEDU6Node1TabOff	V	n/a	
RAW MEANING							
303	2	3	K1392	CEDU6TabPattMask	V	n/a	
RAW MEANING							
303	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
304	0	2	K1393	CEDU7OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
304	2	2	K1394	CEDU7ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
304	4	3	K1395	CEDU7Node0TabOff	V	n/a	
RAW MEANING							
304	7	3	K1396	CEDU7Node1TabOff	V	n/a	
RAW MEANING							
305	2	3	K1397	CEDU7TabPattMask	V	n/a	
RAW MEANING							
305	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
306	0	16	K1398	C EDU0Node0Thres	V	n/a	
CURVE							
308	0	16	K1399	C EDU0Node1Thres	V	n/a	
CURVE							

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310	0	16	K1400	C EDU1Node0Thres	V	n/a
CURVE						
312	0	16	K1401	C EDU1Node1Thres	V	n/a
CURVE						
314	0	16	K1402	C EDU2Node0Thres	V	n/a
CURVE						
316	0	16	K1403	C EDU2Node1Thres	V	n/a
CURVE						
318	0	16	K1404	C EDU3Node0Thres	V	n/a
CURVE						
320	0	16	K1405	C EDU3Node1Thres	V	n/a
CURVE						
322	0	16	K1406	C EDU4Node0Thres	V	n/a
CURVE						
324	0	16	K1407	C EDU4Node1Thres	V	n/a
CURVE						
326	0	16	K1408	C EDU5Node0Thres	V	n/a
CURVE						
328	0	16	K1409	C EDU5Node1Thres	V	n/a
CURVE						
330	0	16	K1410	C EDU6Node0Thres	V	n/a
CURVE						
332	0	16	K1411	C EDU6Node1Thres	V	n/a
CURVE						
334	0	16	K1412	C EDU7Node0Thres	V	n/a
CURVE						
336	0	16	K1413	C EDU7Node1Thres	V	n/a
CURVE						
338	0	4	K1414	C Selected EDU	V	n/a
CURVE						
338	4	12	K1415	C TestImageHighEn	V	n/a
CURVE						
340	0	1	K1416	C TestConfigType	V	n/a
RAW MEANING						
0						Loaded Image
1						Built Image
340	1	3	K1417	CTstConfigPatter	V	n/a
RAW MEANING						
340	4	12	K1418	C TestImageLowEn	V	n/a
CURVE						
342	0	1	K1419	C AnnDriveStatus	V	n/a
RAW MEANING						
0						OFF
1						ON
342	1	2	K1420	C FW OpConfMotor	V	n/a
RAW MEANING						
0						Both ON

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1	Nominal ON							
2	Redundant ON							
342	3	1	K1421	C FWOpConfRotDir	V	n/a		
RAW MEANING								
0	Forward							
1	Backward							
342	4	1	K1422	CFWOpConfRotMode	V	n/a		
RAW MEANING								
0	Normal							
1	Step							
342	5	11	K1423	CFWOpConfReqPosS	V	n/a		
CURVE								
344	0	8	K1424	CAnn.Min.Tem.Set	V	degC		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6								
345	0	8	K1425	CAnn.Max.Tem.Set	V	degC		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6								
346	0	3	FIX	Fix bit pattern	F	n/a	0	
CURVE								
346	3	1	K1426	CFWStatusTimeOut	V	n/a		
RAW MEANING								
0	NoTimeoutErr							
1	TimeoutError							
346	4	1	K1427	C FWStatusPosErr	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
346	5	11	K1428	CFWStatusEMReqSt	V	n/a		
CURVE								
348	0	8	K1429	C Rej DH Cm Cnt	V	n/a		
CURVE								
349	0	8	K1430	C Last Ac DH Com	V	n/a		
CURVE								
350	0	8	K1431	C EDU Cm OK Cnt	V	n/a		
CURVE								
351	0	8	K1432	C EDU Cm Rec Cnt	V	n/a		
CURVE								
352	0	8	K1433	C EDU Cm Rej Cnt	V	n/a		
CURVE								
353	0	8	K1434	C EDUTabLoaOKCnt	V	n/a		
CURVE								
354	0	8	K1435	CEDUTabLoaRecCnt	V	n/a		
CURVE								
355	0	8	K1436	CEDUTabLoaRejCnt	V	n/a		
CURVE								
356	0	8	K1437	C FIFOEDUCmRej16	V	n/a		
CURVE								
357	0	8	K1438	C FIFOEDUCmRej15	V	n/a		
CURVE								

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358 CURVE	0	8	K1439	C FIFOEDUCmRej14	V	n/a
359 CURVE	0	8	K1440	C FIFOEDUCmRej13	V	n/a
360 CURVE	0	8	K1441	C FIFOEDUCmRej12	V	n/a
361 CURVE	0	8	K1442	C FIFOEDUCmRej11	V	n/a
362 CURVE	0	8	K1443	C FIFOEDUCmRej10	V	n/a
363 CURVE	0	8	K1444	C FIFOEDUCmRej9	V	n/a
364 CURVE	0	8	K1445	C FIFOEDUCmRej8	V	n/a
365 CURVE	0	8	K1446	C FIFOEDUCmRej7	V	n/a
366 CURVE	0	8	K1447	C FIFOEDUCmRej6	V	n/a
367 CURVE	0	8	K1448	C FIFOEDUCmRej5	V	n/a
368 CURVE	0	8	K1449	C FIFOEDUCmRej4	V	n/a
369 CURVE	0	8	K1450	C FIFOEDUCmRej3	V	n/a
370 CURVE	0	8	K1451	C FIFOEDUCmRej2	V	n/a
371 CURVE	0	8	K1452	C FIFOEDUCmRej1	V	n/a
372 CURVE	0	8	K1453	C EMAE Cm OK Cnt	V	n/a
373 CURVE	0	8	K1454	CEMAE Cm Rec Cnt	V	n/a
374 CURVE	0	8	K1455	CEMAE Cm Rej Cnt	V	n/a
375 CURVE	0	8	K1456	CEMAESeqLoaOKCnt	V	n/a
376 CURVE	0	8	K1457	CEMAESeqLdRecCnt	V	n/a
377 CURVE	0	8	K1458	CEMAESeqLdRejCnt	V	n/a
378 CURVE	0	8	K1459	CFIFOEMAECmRej16	V	n/a
379 CURVE	0	8	K1460	CFIFOEMAECmRej15	V	n/a

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380	0	8	K1461	CFIFOEMAECmRej14	V	n/a
CURVE						
381	0	8	K1462	CFIFOEMAECmRej13	V	n/a
CURVE						
382	0	8	K1463	CFIFOEMAECmRej12	V	n/a
CURVE						
383	0	8	K1464	CFIFOEMAECmRej11	V	n/a
CURVE						
384	0	8	K1465	CFIFOEMAECmRej10	V	n/a
CURVE						
385	0	8	K1466	CFIFOEMAECmRej9	V	n/a
CURVE						
386	0	8	K1467	CFIFOEMAECmRej8	V	n/a
CURVE						
387	0	8	K1468	CFIFOEMAECmRej7	V	n/a
CURVE						
388	0	8	K1469	CFIFOEMAECmRej6	V	n/a
CURVE						
389	0	8	K1470	CFIFOEMAECmRej5	V	n/a
CURVE						
390	0	8	K1471	CFIFOEMAECmRej4	V	n/a
CURVE						
391	0	8	K1472	CFIFOEMAECmRej3	V	n/a
CURVE						
392	0	8	K1473	CFIFOEMAECmRej2	V	n/a
CURVE						
393	0	8	K1474	CFIFOEMAECmRej1	V	n/a
CURVE						
394	0	8	K1475	C BootS/Wversion	V	n/a
CURVE						
395	0	8	K1476	C RAM SW version	V	n/a
CURVE						
396	0	1	K1477	C PW ON Test RAM	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	1	1	K1478	CPWONTTestROMBoot	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	2	1	K1479	CPWONTTestROMProg	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	3	1	K1480	CPWONTTestRAMProg	V	n/a
RAW MEANING						
0	Failed					
1	Passed					

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396	4	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
397	0	1	K1628	C Group 4 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	1	1	K1627	C Group 3 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	2	1	K1626	C Group 2 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	3	1	K1481	C Group 1 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	4	4	K1482	C Operating Mode	V	n/a	
RAW MEANING							
0	Initializat.						
1	Stand-By						
2	Observation						
3	Test						
4	Annealing						

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40006	1664	Succ. Command Exec.	4	1	16	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 1000

Bit	Width	Name	F/V	Value
0	8	SID	F	16
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1483	TC SequenceCount	V	n/a						
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40007	1664	Full Scientific Buf.	4	1	47	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 2F00

Bit	Width	Name	F/V	Value
0	8	SID	F	47
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1486	HBR Identifier	V	n/a						
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40008	1664	Automatic Transition	4	1	17	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 1100

Bit	Width	Name	F/V	Value
0	8	SID	F	17
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1709	AutomTransReason	V	n/a						
RAW MEANING												
1	OBDH loss											
2	ErrDiagnProc											
3	EndDiagnProc											
4	ErrorO/Vproc											
5	End O/V Proc											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40009	1664	SuccesLoadTaskExecut	4	1	18	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 1200

Bit	Width	Name	F/V	Value
0	8	SID	F	18
8	8	Spare	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1483	TC SequenceCount	V	n/a						
CURVE												
18	0	16	K1484	EMDH Task Ident.	V	n/a						
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40010	1664	LBR Protocol Error	4	2	81	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 51//

Bit	Width	Name	F/V	Value
0	8	SID	F	81

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0342

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1633	FirstLBRfailure	V	n/a						
RAW MEANING												
17				WrongChecks.								
34				OVflowLCleng								
51				Time-outErr.								
68				LC running								
250				busyLBR								
18	0	16	K1634	SecondLBRfailure	V	n/a						
RAW MEANING												
17				WrongChecks.								
34				OVflowLCleng								
51				Time-outErr.								
68				LC running								
250				busyLBR								
20	0	16	K1635	ThirdLBRfailure	V	n/a						
RAW MEANING												
17				WrongChecks.								
34				OVflowLCleng								
51				Time-outErr.								
68				LC running								
250				busyLBR								
22	0	16	K1636	FourthLBRfailure	V	n/a						
RAW MEANING												
17				WrongChecks.								
34				OVflowLCleng								
51				Time-outErr.								
68				LC running								

250	busyLBR						
24	0	16	FIX	Fix bit pattern	F	n/a	51
CURVE							

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40011	1664	Failed Initializat.	4	3	112	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 70//

Bit	Width	Name	F/V	Value
0	8	SID	F	112

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	14	FIX	Fix bit pattern	F	n/a	0					
CURVE												
17	6	1	K1694	MasInReEDACcheck	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
17	7	1	K1695	MasterInitRepBIT	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
18	0	16	K1696	MasInRepSPROMCRC	V	n/a						
CURVE												
20	0	16	K1697	MasIniRepPROCrc	V	n/a						
CURVE												
22	0	16	K1698	MasIniRepRAMrslt	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1699	MasInReFaultPGnm	V	n/a						
CURVE												
26	0	16	K1700	MasInReFaultPGof	V	n/a						
CURVE												

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28	0	16	K1701	MasInitRepRAMcrc	V	n/a	
CURVE							
30	0	14	FIX	Fix bit pattern	F	n/a	0
CURVE							
31	6	1	K1702	SciInReEDACcheck	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
31	7	1	K1703	SciInitReportBIT	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
32	0	16	K1704	SciInitRepSPROM	V	n/a	
CURVE							
34	0	16	K1705	SciInitRepRAMcrc	V	n/a	
CURVE							
36	0	16	K1706	LoadResidPerProc	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
38	0	16	K1707	ThermControlFlag	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
40	0	16	K1708	UnloadInitpr1ssb	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
42	0	16	K1710	EMCR HK DataFlag	V	n/a	
RAW MEANING							
0	OK						
1	Not OK						
44	0	16	K1068	C EDU 0 Status	V	n/a	
CURVE							
46	0	16	K1069	C EDU 1 Status	V	n/a	
CURVE							
48	0	16	K1070	C EDU 2 Status	V	n/a	
CURVE							
50	0	16	K1071	C EDU 3 Status	V	n/a	
CURVE							
52	0	16	K1072	C EDU 4 Status	V	n/a	
CURVE							
54	0	16	K1073	C EDU 5 Status	V	n/a	
CURVE							
56	0	16	K1074	C EDU 6 Status	V	n/a	
CURVE							
58	0	16	K1075	C EDU 7 Status	V	n/a	
CURVE							
60	0	8	K1076	C EMAE -6 V Line	V	V	
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082						

61	0	8	K1077	C EMAE +6 V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082					
62	0	8	K1078	C EMAE -13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.195					
63	0	8	K1079	C EMAE +13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.195					
64	0	8	K1080	C EMAE +28V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.414					
65	0	8	K1081	C EMAE +18V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.260					
66	0	8	K1082	C Signal Ground	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.039					
67	0	8	K1083	C EMAE +32V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.466					
68	0	8	K1084	V EMVC Temp. #1	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
69	0	8	K1085	C EMCR Temp. #1	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
70	0	8	K1086	C EMCR +5 V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.082					
71	0	8	K1087	V EMVC Temp. #2	V	degC
CURVE	Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681					
72	0	8	K1088	C EMCR -13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.205					
73	0	8	K1089	C EMCR +13V Line	V	V
CURVE	Eng. Value [V] = (Binary Value - 128) * 0.205					

74 0 8 FIX Fix bit pattern F n/a 0
CURVE

75 0 8 K1090 C EMCR Temp. #2 V degC
CURVE Eng. Value [°C] = (((Binary Value - 128) * 0.039) + 1.325) / 0.0681

76 0 8 K1091 CEMAECmEchoErCnt V n/a
CURVE

77 0 8 K1092 CEMAELsWrEchoCom V n/a
RAW MEANING

78 0 8 K1093 E CCD 1 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

79 0 8 K1094 E CCD 1 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

80 0 8 K1095 E CCD 1 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

81 0 8 K1096 E CCD 1 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

82 0 8 K1097 E CCD 1 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

83 0 8 K1098 E CCD 1 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

84 0 8 K1099 E CCD 1 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

85 0 8 K1100 E CCD 1 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

86 0 8 K1101 E CCD 1 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

87 0 8 K1102 E CCD 1 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

88 0 8 K1103 E CCD 1 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

89 0 8 K1104 E CCD 1 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

90 0 8 K1105 E CCD 1 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

91 0 8 K1106 E CCD 1 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

92 0 8 K1107 E CCD 1 RESET 2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

93 0 8 K1108 E CCD 1 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

94 0 1 K1109 A AnCh1/2 SeqRam V n/a
RAW MEANING
0 Load
1 Run

94 1 1 K1110 AAnCh1/2InbCtrlC V n/a
RAW MEANING
0 OFF
1 ON

94 2 1 K1111 AAnCh1/2InbCtrlB V n/a
RAW MEANING
0 OFF
1 ON

94 3 1 K1112 AAnCh1/2InbCtrlA V n/a
RAW MEANING
0 OFF
1 ON

94 4 1 FIX Fix bit pattern F n/a 0
CURVE

94 5 3 K1113 AAnCh1/2IntSimul V n/a
RAW MEANING
0 ChainNorNod0
1 ChainNorNod1
2 Chain/10Nod0
3 Chain/10Nod1
4 SimulatorMax

5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
95	0	8	K1116	AAAnCh1/2GaNumSet	V	n/a		
CURVE								
96	0	7	K1117	AAAnCh1/2LoadAddL	V	n/a		
CURVE								
96	7	1	K1586	AAAnCh1/2DataBySe	V	n/a		
RAW MEANING								
0	Low							
1	High							
97	0	6	FIX	Fix bit pattern	F	n/a	0	
CURVE								
97	6	2	K1118	AAAnCh1/2LoadAddM	V	n/a		
RAW MEANING								
98	0	1	K1119	A Seq PC FW Mode	V	n/a		
RAW MEANING								
0	Load							
1	Run							
98	1	1	K1120	A SeqPCFWDrvInbC	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	2	1	K1121	A SeqPCFWDrvInbB	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	3	1	K1122	A SeqPCFWDrvInbA	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
98	4	2	FIX	Fix bit pattern	F	n/a	0	
CURVE								
98	6	1	K1123	ASeqPCWhDrvDirec	V	n/a		
RAW MEANING								
0	Forward							
1	Backward							
98	7	1	K1124	A SeqPCWhMovTrig	V	n/a		
RAW MEANING								
99	0	8	K1125	AAAnCh1/2LoadData	V	n/a		
CURVE								
100	0	7	K1126	A SeqFW LoadAddL	V	n/a		
CURVE								
100	7	1	K1590	A SeqFW DataBySe	V	n/a		
RAW MEANING								
0	Low							
1	High							
101	0	6	FIX	Fix bit pattern	F	n/a	0	
CURVE								
101	6	2	K1127	A SeqFW LoadAddM	V	n/a		
RAW MEANING								
102	0	8	K1128	A FWActStepCntM	V	n/a		
CURVE								

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103	0	8	K1129	A SeqFW LoadData	V	n/a	
CURVE							
104	0	1	K1130	A AnCh8 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	1	1	K1131	A AnCh7 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	2	1	K1132	A AnCh6 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	3	1	K1133	A AnCh5 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	4	1	K1134	A AnCh4 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	5	1	K1135	A AnCh3 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	6	1	K1136	A AnCh2 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
104	7	1	K1137	A AnCh1 PWStatus	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
105	0	8	K1138	A FWActStepCntL	V	n/a	
CURVE							
106	0	2	FIX	Fix bit pattern	F	n/a	0
CURVE							
106	2	1	K1139	H PreAmp14 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	3	1	K1140	H PreAmp13 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	4	1	K1141	H PreAmp12 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	5	1	K1142	H PreAmp11 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	6	1	K1143	H PreAmp10 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
106	7	1	K1144	H PreAmp09 PW ST	V	n/a	
RAW MEANING							
0	OFF						
1	ON						

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107	0	1	K1145	H PreAmp01 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	1	1	K1146	H PreAmp02 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	2	1	K1147	H PreAmp03 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	3	1	K1148	H PreAmp04 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	4	1	K1149	H PreAmp05 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	5	1	K1150	H PreAmp06 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	6	1	K1151	H PreAmp07 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
107	7	1	K1152	H PreAmp08 PW ST	V	n/a
RAW MEANING						
0	OFF					
1	ON					
108	0	1	K1153	ASeq7/8ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	1	1	K1154	ASeq5/6ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	2	1	K1155	ASeq3/4ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	3	1	K1156	ASeq1/2ReadOutSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	4	1	K1157	ASeq7/8FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	5	1	K1158	ASeq5/6FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	6	1	K1159	ASeq3/4FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					
108	7	1	K1160	ASeq1/2FrmTranSy	V	n/a
RAW MEANING						
0	Not Active					
1	Active					

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109	0	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
109	4	1	K1161	AFPTCPwStAnHeReD	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	5	1	K1162	AFPTCPwStVacuSen	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	6	1	K1163	AFPTCPwStTemConR	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
109	7	1	K1164	AFPTCPwStTemConN	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
110	0	8	K1165	E CCD 2 VBB	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
111	0	8	K1166	E CCD 2 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							
112	0	8	K1167	E CCD 2 VID	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
113	0	8	K1168	E CCD 2 VGR	V	V	
CURVE Eng. Value [V] = Binary Value * 0.121							
114	0	8	K1169	E CCD 2 VRD1	V	V	
CURVE Eng. Value [V] = Binary Value * 0.081							
115	0	8	K1170	E CCD 2 VOG1	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							
116	0	8	K1171	E CCD 2 VOG2	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

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117 0 8 K1172 E CCD 2 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

118 0 8 K1173 E CCD 2 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

119 0 8 K1174 E CCD 2 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

120 0 8 K1175 E CCD 2 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

121 0 8 K1176 E CCD 2 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

122 0 8 K1177 E CCD 2 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

123 0 8 K1178 E CCD 2 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

124 0 8 K1179 E CCD2 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

125 0 8 K1180 E CCD2 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

126 0 8 K1181 E CCD 5 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

127 0 8 K1182 E CCD 5 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

128 0 8 K1183 E CCD 5 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

129 0 8 K1184 E CCD 5 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

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130 0 8 K1185 E CCD 5 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

131 0 8 K1186 E CCD 5 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

132 0 8 K1187 E CCD 5 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

133 0 8 K1188 E CCD 5 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

134 0 8 K1189 E CCD 5 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

135 0 8 K1190 E CCD 5 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

136 0 8 K1191 E CCD 5 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

137 0 8 K1192 E CCD 5 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

138 0 8 K1193 E CCD 5 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

139 0 8 K1194 E CCD 5 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

140 0 8 K1195 E CCD 5 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

141 0 8 K1196 E CCD 5 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

142	0	1	K1197	A AnCh3/4 SeqRam	V	n/a	
RAW MEANING							
0	Load						
1	Run						
142	1	1	K1198	AAAnCh3/4InbCtrlC	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	2	1	K1199	AAAnCh3/4InbCtrlB	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	3	1	K1200	AAAnCh3/4InbCtrlA	V	n/a	
RAW MEANING							
0	OFF						
1	ON						
142	4	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
142	5	3	K1201	AAAnCh3/4IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
143	0	8	K1204	AAAnCh3/4GaNumSet	V	n/a	
CURVE							
144	0	7	K1205	AAAnCh3/4LoadAddL	V	n/a	
CURVE							
144	7	1	K1587	AAAnCh3/4DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
145	0	6	FIX	Fix bit pattern	F	n/a	0
CURVE							
145	6	2	K1206	AAAnCh3/4LoadAddM	V	n/a	
RAW MEANING							
146	0	8	K1207	AFPNomThCoTemSet	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168							
147	0	8	K1208	AAAnCh3/4LoadData	V	n/a	
CURVE							
148	0	8	K1209	E CCD 4 VSS	V	V	
CURVE Eng. Value [V] = Binary Value * 0.039							

149 0 8 K1210 AFPRedThCoTemSet V degC
CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168

150 0 8 K1211 E CCD 4 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

151 0 8 K1212 E CCD 4 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

152 0 8 K1213 E CCD 4 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

153 0 8 K1214 E CCD 4 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

154 0 8 K1215 E CCD 4 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

155 0 8 K1216 E CCD 4 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

156 0 8 K1217 E CCD 4 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

157 0 8 K1218 E CCD 4 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

158 0 8 K1219 E CCD 4 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

159 0 8 K1220 E CCD 4 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

160 0 8 K1221 E CCD 4 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

161 0 8 K1222 E CCD 4 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

162 0 8 K1223 E CCD 4 RESET 1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

163 0 8 K1224 E CCD 4 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

164 0 8 K1225 E CCD 7 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

165 0 8 K1226 E CCD 4 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

166 0 8 K1227 E CCD 7 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

167 0 8 K1228 E CCD 7 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

168 0 8 K1229 E CCD 7 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

169 0 8 K1230 E CCD 7 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

170 0 8 K1231 E CCD 7 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

171 0 8 K1232 E CCD 7 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

172 0 8 K1233 E CCD 7 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

173 0 8 K1234 E CCD 7 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

174 0 8 K1235 E CCD 7 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

175 0 8 K1236 E CCD 7 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

176 0 8 K1237 E CCD 7 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

177 0 8 K1238 E CCD 7 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

178 0 8 K1239 E CCD 7 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

179 0 8 K1240 E CCD 7 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

180 0 8 K1241 AAnCh5/6GaNumSet V n/a
CURVE

181 0 8 K1242 E CCD 7 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

182 0 6 FIX Fix bit pattern F n/a 0
CURVE

182 6 2 K1243 AAnCh5/6LoadAddM V n/a
RAW MEANING

183 0 1 K1244 A AnCh5/6 SeqRam V n/a
RAW MEANING

0 Load
 1 Run
 183 1 1 K1245 AAnCh5/6InbCtrlC V n/a
RAW MEANING

0 OFF
 1 ON
 183 2 1 K1246 AAnCh5/6InbCtrlB V n/a
RAW MEANING

0 OFF
 1 ON
 183 3 1 K1247 AAnCh5/6InbCtrlA V n/a
RAW MEANING

0 OFF
 1 ON
 183 4 1 FIX Fix bit pattern F n/a 0
CURVE

183	5	3	K1248	AAAnCh5/6IntSimul	V	n/a	
RAW MEANING							
0	ChainNorNod0						
1	ChainNorNod1						
2	Chain/10Nod0						
3	Chain/10Nod1						
4	SimulatorMax						
5	Simulator_/2						
6	Simulator_/4						
7	Simulator_/8						
184	0	8	K1251	AAAnCh5/6LoadData	V	n/a	
CURVE							
185	0	7	K1252	AAAnCh5/6LoadAddL	V	n/a	
CURVE							
185	7	1	K1588	AAAnCh5/6DataBySe	V	n/a	
RAW MEANING							
0	Low						
1	High						
186	0	8	K1253	H FPlanNorRanTem	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 0.357) - 159							
187	0	1	K1254	H FW NominalStop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
187	1	1	K1255	HDoorBellowState	V	n/a	
RAW MEANING							
0	Retracted						
1	NotRetracted						
187	2	1	K1256	H Door Open uSw	V	n/a	
RAW MEANING							
0	Open						
1	Closed						
187	3	3	K1257	H FW Position	V	n/a	
RAW MEANING							
0	Open						
1	Filter D						
2	Filter C						
3	Filter B						
4	Filter A						
5	Closed						
6	IllegalValue						
7	Not Valid CS						
187	6	1	K1258	H FW Redund Stop	V	n/a	
RAW MEANING							
0	In Position						
1	Out Position						
187	7	1	FIX	Fix bit pattern	F	n/a	0
CURVE							
188	0	8	K1260	AFPRedThCoTemMon	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1							
189	0	8	K1261	H Vacuum Monitor	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							
190	0	8	K1262	H Secon Rad Temp	V	degC	
CURVE Eng. Value [°C] = (Binary Value * 1.689) - 225.9							
191	0	8	K1263	A Rad. Mon. FET1	V	mV	
CURVE Eng. Value [mV] = Binary Value * 39.06							

192 0 8 K1264 A Rad. Mon. FET3 V mV
CURVE Eng. Value [mV] = Binary Value * 39.06

193 0 8 K1265 HDoorBellowPress V Bar
CURVE Eng. Value [Bar] = ((Binary Value * 39.06)/1000)-2

194 0 8 K1266 E CCD 3 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

195 0 8 K1267 E CCD 3 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

196 0 8 K1268 E CCD 3 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

197 0 8 K1269 E CCD 3 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

198 0 8 K1270 E CCD 3 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

199 0 8 K1271 E CCD 3 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

200 0 8 K1272 E CCD 3 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

201 0 8 K1273 E CCD 3 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

202 0 8 K1274 E CCD 3 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

203 0 8 K1275 E CCD 3 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

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204 0 8 K1276 E CCD 3 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

205 0 8 K1277 E CCD 3 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

206 0 8 K1278 E CCD 3 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

207 0 8 K1279 E CCD 3 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

208 0 8 K1280 E CCD 3 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

209 0 8 K1281 E CCD 3 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

210 0 8 K1282 E CCD 6 VBB V V
CURVE Eng. Value [V] = Binary Value * 0.121

211 0 8 K1283 E CCD 6 VSS V V
CURVE Eng. Value [V] = Binary Value * 0.039

212 0 8 K1284 E CCD 6 VID V V
CURVE Eng. Value [V] = Binary Value * 0.121

213 0 8 K1285 E CCD 6 VGR V V
CURVE Eng. Value [V] = Binary Value * 0.121

214 0 8 K1286 E CCD 6 VRD1 V V
CURVE Eng. Value [V] = Binary Value * 0.081

215 0 8 K1287 E CCD 6 VOG1 V V
CURVE Eng. Value [V] = Binary Value * 0.039

216 0 8 K1288 E CCD 6 VOG2 V V
CURVE Eng. Value [V] = Binary Value * 0.039

217 0 8 K1289 E CCD 6 VOD1 V V
CURVE Eng. Value [V] = Binary Value * 0.152

218 0 8 K1290 E CCD 6 VOD2 V V
CURVE Eng. Value [V] = Binary Value * 0.152

219 0 8 K1291 E CCD 6 VRD2 V V
CURVE Eng. Value [V] = Binary Value * 0.081

220 0 8 K1292 E CCD 6 S V V
CURVE Eng. Value [V] = Binary Value * 0.0612

221 0 8 K1293 E CCD 6 I V V
CURVE Eng. Value [V] = Binary Value * 0.0613

222 0 8 K1294 E CCD 6 IG V V
CURVE Eng. Value [V] = Binary Value * 0.059

223 0 8 K1295 E CCD 6 R V V
CURVE Eng. Value [V] = Binary Value * 0.0612

224 0 8 K1296 E CCD 6 RESET2 V V
CURVE Eng. Value [V] = Binary Value * 0.062

225 0 8 K1297 E CCD 6 RESET1 V V
CURVE Eng. Value [V] = Binary Value * 0.062

226 0 1 K1298 A AnCh7/8 SeqRam V n/a
RAW MEANING
 0 Load
 1 Run

226 1 1 K1299 AAnCh7/8InbCtrlC V n/a
RAW MEANING
 0 OFF
 1 ON

226 2 1 K1300 AAnCh7/8InbCtrlB V n/a
RAW MEANING
 0 OFF
 1 ON

226 3 1 K1301 AAnCh7/8InbCtrlA V n/a

RAW MEANING

0 OFF

1 ON

226 4 1 FIX Fix bit pattern F n/a 0

CURVE

226 5 3 K1302 AAnCh7/8IntSimul V n/a

RAW MEANING

0 ChainNorNod0

1 ChainNorNod1

2 Chain/10Nod0

3 Chain/10Nod1

4 SimulatorMax

5 Simulator_/2

6 Simulator_/4

7 Simulator_/8

227 0 8 K1305 AAnCh7/8GaNumSet V n/a

CURVE

228 0 7 K1306 AAnCh7/8LoadAddL V n/a

CURVE

228 7 1 K1589 AAnCh7/8DataBySe V n/a

RAW MEANING

0 Low

1 High

229 0 6 FIX Fix bit pattern F n/a 0

CURVE

229 6 2 K1307 AAnCh7/8LoadAddM V n/a

RAW MEANING

230 0 8 K1308 HFPlaneExtRanTem V degC
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6

231 0 8 K1309 AAnCh7/8LoadData V n/a

CURVE

232 0 8 K1310 H FW Motor Temp V degC
CURVE Eng. Value [°C] = (Binary Value * 1.953) - 273

233 0 8 K1311 A AE Electr Temp V degC
CURVE Eng. Value [°C] = 89.794 - (Binary Value * 1.2723) + (Binary Value^2 * 6.9E-3) - (Binary Value^3 * 1.7E10-5)

234 0 8 K1312 AFPNomThCoTemMo V degC
CURVE Eng. Value [°C] = (Binary Value * 1.1) - 170.1

235 0 8 K1313 A Rad. Mon. FET2 V mV
CURVE Eng. Value [mV] = Binary Value * 39.06

236 0 8 K1314 A Rad. Mon. FET4 V mV
CURVE Eng. Value [mV] = Binary Value * 39.06

237 0 8 K1315 H CH Electr Temp V degC
CURVE Eng. Value [°C] = 58.08 - (Raw Value * 2.2888) + (Raw Value^2 * 2.9E-2) - (Raw Value^3 * 1.7E-4) + (Raw Value^4 *

238 0 1 K1592 C AnCh3/4 SeqRam V n/a

RAW MEANING

0 Load

1 Run

238 1 1 K1593 CAnCh3/4InbCtrlC V n/a

RAW MEANING

0 OFF

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1	ON								
238	2	1	K1594	CAnCh3/4InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
238	3	1	K1595	CAnCh3/4InbCtrlA	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
238	4	1	FIX	Fix bit pattern	F	n/a	0		
CURVE									
238	5	3	K1596	CAnCh3/4IntSimul	V	n/a			
RAW MEANING									
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
239	0	1	K1599	C AnCh1/2 SeqRam	V	n/a			
RAW MEANING									
0	Load								
1	Run								
239	1	1	K1600	CAnCh1/2InbCtrlC	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	2	1	K1601	CAnCh1/2InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	3	1	K1602	CAnCh1/2InbCtrlA	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
239	4	1	FIX	Fix bit pattern	F	n/a	0		
CURVE									
239	5	3	K1603	CAnCh1/2IntSimul	V	n/a			
RAW MEANING									
0	ChainNorNod0								
1	ChainNorNod1								
2	Chain/10Nod0								
3	Chain/10Nod1								
4	SimulatorMax								
5	Simulator_/2								
6	Simulator_/4								
7	Simulator_/8								
240	0	1	K1606	C AnCh7/8 SeqRam	V	n/a			
RAW MEANING									
0	Load								
1	Run								
240	1	1	K1607	CAnCh7/8InbCtrlC	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
240	2	1	K1608	CAnCh7/8InbCtrlB	V	n/a			
RAW MEANING									
0	OFF								
1	ON								
240	3	1	K1609	CAnCh7/8InbCtrlA	V	n/a			
RAW MEANING									

0	OFF							
1	ON							
240	4	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
240	5	3	K1610	CAnCh7/8IntSimul	V	n/a		
RAW MEANING								
0	ChainNorNod0							
1	ChainNorNod1							
2	Chain/10Nod0							
3	Chain/10Nod1							
4	SimulatorMax							
5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
241	0	1	K1613	C AnCh5/6 SeqRam	V	n/a		
RAW MEANING								
0	Load							
1	Run							
241	1	1	K1614	CAnCh5/6InbCtrlC	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	2	1	K1615	CAnCh5/6InbCtrlB	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	3	1	K1616	CAnCh5/6InbCtrlA	V	n/a		
RAW MEANING								
0	OFF							
1	ON							
241	4	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
241	5	3	K1617	CAnCh5/6IntSimul	V	n/a		
RAW MEANING								
0	ChainNorNod0							
1	ChainNorNod1							
2	Chain/10Nod0							
3	Chain/10Nod1							
4	SimulatorMax							
5	Simulator_/2							
6	Simulator_/4							
7	Simulator_/8							
242	0	8	FIX	Fix bit pattern	F	n/a	0	
CURVE								
243	0	32	FIX	Fix bit pattern	F	n/a	0	
CURVE								
247	0	1	K1316	CFWExpNomStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
247	1	2	FIX	Fix bit pattern	F	n/a	0	
CURVE								
247	3	3	K1624	CFWExAbsPosition	V	n/a		
RAW MEANING								
0	Open							
1	Filter D							
2	Filter C							
3	Filter B							
4	Filter A							
5	Closed							

6	IllegalValue							
7	Not Valid CS							
247	6	1	K1625	CFWExpRedStopSen	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
247	7	1	FIX	Fix bit pattern	F	n/a	0	
CURVE								
248	0	16	K1317	CFWActStepNumRef	V	n/a		
CURVE								
250	0	4	K1318	CGroup1SeqNumber	V	n/a		
CURVE								
250	4	12	K1319	C Group1 IntTime	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
252	0	4	K1320	C Gr1 FrstCyDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
252	4	12	K1321	C Group1X0Posit.	V	n/a		
CURVE								
254	0	4	K1322	C Gr1 FrstCyDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
254	4	12	K1323	C Group1Y0Posit.	V	n/a		
CURVE								
256	0	4	K1324	CGroup1ReaOuDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
256	4	12	K1325	C Group1 X Size	V	n/a		
CURVE								
258	0	4	K1326	CGroup1ReaOuDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
258	4	12	K1327	C Group1 Y Size	V	n/a		
CURVE								
260	0	4	K1328	CGroup2SeqNumber	V	n/a		
CURVE								
260	4	12	K1329	C Group2 IntTime	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
262	0	4	K1330	C Gr2 FrstCyDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
262	4	12	K1331	C Group2X0Posit.	V	n/a		
CURVE								
264	0	4	K1332	C Gr2 FrstCyDel2	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
264	4	12	K1333	C Group2Y0Posit.	V	n/a		
CURVE								
266	0	4	K1334	CGroup2ReaOuDel1	V	sec		
CURVE Eng value [s] = Binary value * 0.1								
266	4	12	K1335	C Group2 X Size	V	n/a		
CURVE								

268	0	4	K1336	CGroup2ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
268	4	12	K1337	C Group2 Y Size	V	n/a
CURVE						
270	0	4	K1338	CGroup3SeqNumber	V	n/a
CURVE						
270	4	12	K1339	C Group3 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
272	0	4	K1340	C Gr3 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
272	4	12	K1341	C Group3X0Posit.	V	n/a
CURVE						
274	0	4	K1342	C Gr3 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
274	4	12	K1343	C Group3Y0Posit.	V	n/a
CURVE						
276	0	4	K1344	CGroup3ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
276	4	12	K1345	C Group3 X Size	V	n/a
CURVE						
278	0	4	K1346	CGroup3ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
278	4	12	K1347	C Group3 Y Size	V	n/a
CURVE						
280	0	4	K1348	CGroup4SeqNumber	V	n/a
CURVE						
280	4	12	K1349	C Group4 IntTime	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
282	0	4	K1350	C Gr4 FrstCyDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
282	4	12	K1351	C Group4X0Posit.	V	n/a
CURVE						
284	0	4	K1352	C Gr4 FrstCyDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
284	4	12	K1353	C Group4Y0Posit.	V	n/a
CURVE						
286	0	4	K1354	CGroup4ReaOuDel1	V	sec
CURVE	Eng value [s] = Binary value * 0.1					
286	4	12	K1355	C Group4 X Size	V	n/a
CURVE						
288	0	4	K1356	CGroup4ReaOuDel2	V	sec
CURVE	Eng value [s] = Binary value * 0.1					

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288	4	12	K1357	C Group4 Y Size	V	n/a	
CURVE							
290	0	2	K1358	CEDU0OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
290	2	2	K1359	CEDU0ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
290	4	3	K1360	CEDU0Node0TabOff	V	n/a	
RAW MEANING							
290	7	3	K1361	CEDU0Node1TabOff	V	n/a	
RAW MEANING							
291	2	3	K1362	CEDU0TabPattMask	V	n/a	
RAW MEANING							
291	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
292	0	2	K1363	CEDU1OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
292	2	2	K1364	CEDU1ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
292	4	3	K1365	CEDU1Node0TabOff	V	n/a	
RAW MEANING							
292	7	3	K1366	CEDU1Node1TabOff	V	n/a	
RAW MEANING							
293	2	3	K1367	CEDU1TabPattMask	V	n/a	
RAW MEANING							
293	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
294	0	2	K1368	CEDU2OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
294	2	2	K1369	CEDU2ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
294	4	3	K1370	CEDU2Node0TabOff	V	n/a	
RAW MEANING							
294	7	3	K1371	CEDU2Node1TabOff	V	n/a	
RAW MEANING							

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295	2	3	K1372	CEDU2TabPattMask	V	n/a	
RAW MEANING							
295	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
296	0	2	K1373	CEDU3OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
296	2	2	K1374	CEDU3ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
296	4	3	K1375	CEDU3Node0TabOff	V	n/a	
RAW MEANING							
296	7	3	K1376	CEDU3Node1TabOff	V	n/a	
RAW MEANING							
297	2	3	K1377	CEDU3TabPattMask	V	n/a	
RAW MEANING							
297	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
298	0	2	K1378	CEDU4OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
298	2	2	K1379	CEDU4ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
298	4	3	K1380	CEDU4Node0TabOff	V	n/a	
RAW MEANING							
298	7	3	K1381	CEDU4Node1TabOff	V	n/a	
RAW MEANING							
299	2	3	K1382	CEDU4TabPattMask	V	n/a	
RAW MEANING							
299	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
300	0	2	K1383	CEDU5OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
300	2	2	K1384	CEDU5ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						

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300	4	3	K1385	CEDU5Node0TabOff	V	n/a	
RAW MEANING							
300	7	3	K1386	CEDU5Node1TabOff	V	n/a	
RAW MEANING							
301	2	3	K1387	CEDU5TabPattMask	V	n/a	
RAW MEANING							
301	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
302	0	2	K1388	CEDU6OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
302	2	2	K1389	CEDU6ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
302	4	3	K1390	CEDU6Node0TabOff	V	n/a	
RAW MEANING							
302	7	3	K1391	CEDU6Node1TabOff	V	n/a	
RAW MEANING							
303	2	3	K1392	CEDU6TabPattMask	V	n/a	
RAW MEANING							
303	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
304	0	2	K1393	CEDU7OperatioMod	V	n/a	
RAW MEANING							
0	Stop						
1	Run						
2	Alternate						
304	2	2	K1394	CEDU7ScientifMod	V	n/a	
RAW MEANING							
0	Transparent						
1	Timing						
2	Threshold						
3	Image						
304	4	3	K1395	CEDU7Node0TabOff	V	n/a	
RAW MEANING							
304	7	3	K1396	CEDU7Node1TabOff	V	n/a	
RAW MEANING							
305	2	3	K1397	CEDU7TabPattMask	V	n/a	
RAW MEANING							
305	5	3	FIX	Fix bit pattern	F	n/a	0
CURVE							
306	0	16	K1398	C EDU0Node0Thres	V	n/a	
CURVE							
308	0	16	K1399	C EDU0Node1Thres	V	n/a	
CURVE							

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310	0	16	K1400	C EDU1Node0Thres	V	n/a
CURVE						
312	0	16	K1401	C EDU1Node1Thres	V	n/a
CURVE						
314	0	16	K1402	C EDU2Node0Thres	V	n/a
CURVE						
316	0	16	K1403	C EDU2Node1Thres	V	n/a
CURVE						
318	0	16	K1404	C EDU3Node0Thres	V	n/a
CURVE						
320	0	16	K1405	C EDU3Node1Thres	V	n/a
CURVE						
322	0	16	K1406	C EDU4Node0Thres	V	n/a
CURVE						
324	0	16	K1407	C EDU4Node1Thres	V	n/a
CURVE						
326	0	16	K1408	C EDU5Node0Thres	V	n/a
CURVE						
328	0	16	K1409	C EDU5Node1Thres	V	n/a
CURVE						
330	0	16	K1410	C EDU6Node0Thres	V	n/a
CURVE						
332	0	16	K1411	C EDU6Node1Thres	V	n/a
CURVE						
334	0	16	K1412	C EDU7Node0Thres	V	n/a
CURVE						
336	0	16	K1413	C EDU7Node1Thres	V	n/a
CURVE						
338	0	4	K1414	C Selected EDU	V	n/a
CURVE						
338	4	12	K1415	C TestImageHighEn	V	n/a
CURVE						
340	0	1	K1416	C TestConfigType	V	n/a
RAW MEANING						
0						Loaded Image
1						Built Image
340	1	3	K1417	CTstConfigPatter	V	n/a
RAW MEANING						
340	4	12	K1418	C TestImageLowEn	V	n/a
CURVE						
342	0	1	K1419	C AnnDriveStatus	V	n/a
RAW MEANING						
0						OFF
1						ON
342	1	2	K1420	C FW OpConfMotor	V	n/a
RAW MEANING						
0						Both ON

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1	Nominal ON							
2	Redundant ON							
342	3	1	K1421	C FWOpConfRotDir	V	n/a		
RAW MEANING								
0	Forward							
1	Backward							
342	4	1	K1422	CFWOpConfRotMode	V	n/a		
RAW MEANING								
0	Normal							
1	Step							
342	5	11	K1423	CFWOpConfReqPosS	V	n/a		
CURVE								
344	0	8	K1424	CAnn.Min.Tem.Set	V	degC		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6								
345	0	8	K1425	CAnn.Max.Tem.Set	V	degC		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6								
346	0	3	FIX	Fix bit pattern	F	n/a	0	
CURVE								
346	3	1	K1426	CFWStatusTimeOut	V	n/a		
RAW MEANING								
0	NoTimeoutErr							
1	TimeoutError							
346	4	1	K1427	C FWStatusPosErr	V	n/a		
RAW MEANING								
0	In Position							
1	Out Position							
346	5	11	K1428	CFWStatusEMReqSt	V	n/a		
CURVE								
348	0	8	K1429	C Rej DH Cm Cnt	V	n/a		
CURVE								
349	0	8	K1430	C Last Ac DH Com	V	n/a		
CURVE								
350	0	8	K1431	C EDU Cm OK Cnt	V	n/a		
CURVE								
351	0	8	K1432	C EDU Cm Rec Cnt	V	n/a		
CURVE								
352	0	8	K1433	C EDU Cm Rej Cnt	V	n/a		
CURVE								
353	0	8	K1434	C EDUTabLoaOKCnt	V	n/a		
CURVE								
354	0	8	K1435	CEDUTabLoaRecCnt	V	n/a		
CURVE								
355	0	8	K1436	CEDUTabLoaRejCnt	V	n/a		
CURVE								
356	0	8	K1437	C FIFOEDUCmRej16	V	n/a		
CURVE								
357	0	8	K1438	C FIFOEDUCmRej15	V	n/a		
CURVE								

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358 CURVE	0	8	K1439	C FIFOEDUCmRej14	V	n/a
359 CURVE	0	8	K1440	C FIFOEDUCmRej13	V	n/a
360 CURVE	0	8	K1441	C FIFOEDUCmRej12	V	n/a
361 CURVE	0	8	K1442	C FIFOEDUCmRej11	V	n/a
362 CURVE	0	8	K1443	C FIFOEDUCmRej10	V	n/a
363 CURVE	0	8	K1444	C FIFOEDUCmRej9	V	n/a
364 CURVE	0	8	K1445	C FIFOEDUCmRej8	V	n/a
365 CURVE	0	8	K1446	C FIFOEDUCmRej7	V	n/a
366 CURVE	0	8	K1447	C FIFOEDUCmRej6	V	n/a
367 CURVE	0	8	K1448	C FIFOEDUCmRej5	V	n/a
368 CURVE	0	8	K1449	C FIFOEDUCmRej4	V	n/a
369 CURVE	0	8	K1450	C FIFOEDUCmRej3	V	n/a
370 CURVE	0	8	K1451	C FIFOEDUCmRej2	V	n/a
371 CURVE	0	8	K1452	C FIFOEDUCmRej1	V	n/a
372 CURVE	0	8	K1453	C EMAE Cm OK Cnt	V	n/a
373 CURVE	0	8	K1454	CEMAE Cm Rec Cnt	V	n/a
374 CURVE	0	8	K1455	CEMAE Cm Rej Cnt	V	n/a
375 CURVE	0	8	K1456	CEMAESeqLoaOKCnt	V	n/a
376 CURVE	0	8	K1457	CEMAESeqLdRecCnt	V	n/a
377 CURVE	0	8	K1458	CEMAESeqLdRejCnt	V	n/a
378 CURVE	0	8	K1459	CFIFOEMAECmRej16	V	n/a
379 CURVE	0	8	K1460	CFIFOEMAECmRej15	V	n/a

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380	0	8	K1461	CFIFOEMAECmRej14	V	n/a
CURVE						
381	0	8	K1462	CFIFOEMAECmRej13	V	n/a
CURVE						
382	0	8	K1463	CFIFOEMAECmRej12	V	n/a
CURVE						
383	0	8	K1464	CFIFOEMAECmRej11	V	n/a
CURVE						
384	0	8	K1465	CFIFOEMAECmRej10	V	n/a
CURVE						
385	0	8	K1466	CFIFOEMAECmRej9	V	n/a
CURVE						
386	0	8	K1467	CFIFOEMAECmRej8	V	n/a
CURVE						
387	0	8	K1468	CFIFOEMAECmRej7	V	n/a
CURVE						
388	0	8	K1469	CFIFOEMAECmRej6	V	n/a
CURVE						
389	0	8	K1470	CFIFOEMAECmRej5	V	n/a
CURVE						
390	0	8	K1471	CFIFOEMAECmRej4	V	n/a
CURVE						
391	0	8	K1472	CFIFOEMAECmRej3	V	n/a
CURVE						
392	0	8	K1473	CFIFOEMAECmRej2	V	n/a
CURVE						
393	0	8	K1474	CFIFOEMAECmRej1	V	n/a
CURVE						
394	0	8	K1475	C BootS/Wversion	V	n/a
CURVE						
395	0	8	K1476	C RAM SW version	V	n/a
CURVE						
396	0	1	K1477	C PW ON Test RAM	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	1	1	K1478	CPWONTTestROMBoot	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	2	1	K1479	CPWONTTestROMProg	V	n/a
RAW MEANING						
0	Failed					
1	Passed					
396	3	1	K1480	CPWONTTestRAMProg	V	n/a
RAW MEANING						
0	Failed					
1	Passed					

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396	4	4	FIX	Fix bit pattern	F	n/a	0
CURVE							
397	0	1	K1628	C Group 4 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	1	1	K1627	C Group 3 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	2	1	K1626	C Group 2 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	3	1	K1481	C Group 1 EITF	V	n/a	
RAW MEANING							
0	Not Occured						
1	Occured						
397	4	4	K1482	C Operating Mode	V	n/a	
RAW MEANING							
0	Initializat.						
1	Stand-By						
2	Observation						
3	Test						
4	Annealing						

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40012	1664	HBR Fifo Full	4	3	115	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 73//

Bit	Width	Name	F/V	Value
0	8	SID	F	115

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1486	HBR Identifier	V	n/a						
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40014	1664	Therm. Control Alarm	4	3	127	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 7E//

Bit	Width	Name	F/V	Value
0	8	SID	F	127

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	K1308	HFPlaneExtRanTem	V	degC						

CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6

16	0	8	K1712	AnnealSwitchStat	V	n/a						
RAW MEANING												
0	Open											
1	Closed											
18	0	8	K1713	SecondShroudStat	V	n/a						
RAW MEANING												
0	Open											
1	Closed											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40015	1664	FW Not Closed Report	4	2	82	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 52//

Bit	Width	Name	F/V	Value
0	8	SID	F	

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0342

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	16	FIX	Fix bit pattern	F	n/a	0					
CURVE												
17	0	1	K1254	H FW NominalStop	V	n/a						
RAW MEANING												
0				In Position								
1				Out Position								
17	1	2	FIX	Fix bit pattern	F	n/a	0					
CURVE												
17	3	3	K1257	H FW Position	V	n/a						
RAW MEANING												
0				Open								
1				Filter D								
2				Filter C								
3				Filter B								
4				Filter A								
5				Closed								
6				IllegalValue								
7				Not Valid CS								
17	6	1	K1258	H FW Redund Stop	V	n/a						
RAW MEANING												
0				In Position								
1				Out Position								
17	7	1	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40017	1664	HBR7 Bright Pixel T.	5	4	N/A	255	137	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF89

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	137

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1487	HBR7 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40018	1664	HBR8 Bright Pixel T.	5	4	N/A	255	138	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF8A

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	138

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1488	HBR8 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40019	1664	HBR Configuration	5	4	N/A	255	128	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF80

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	128

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
17	0	1	K1496	HBR 8 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	1	1	K1495	HBR 7 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	2	1	K1494	HBR 6 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	3	1	K1493	HBR 5 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	4	1	K1492	HBR 4 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	5	1	K1491	HBR 3 Active	V	n/a						
RAW MEANING												
0	Not Active											
1	Active											
17	6	1	K1490	HBR 2 Active	V	n/a						
RAW MEANING												
0	Not Active											

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1	Active					
17	7	1	K1489	HBR 1 Active	V	n/a
RAW	MEANING					
0	Not Active					
1	Active					
18	0	16	K1497	HBR 1 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
20	0	16	K1498	HBR 2 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
22	0	16	K1499	HBR 3 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
24	0	16	K1500	HBR 4 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
26	0	16	K1501	HBR 5 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					

6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
28	0	16	K1502	HBR 6 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
30	0	16	K1503	HBR 7 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					
32	0	16	K1504	HBR 8 Processing	V	n/a
RAW	MEANING					
0	Disabled					
1	Imag. Proc.					
2	Imag.N.Proc.					
3	Imag.R.Proc.					
4	Imag.R.N.Pr.					
5	EDU Thresh.					
6	Tim. Proces.					
7	Tim.N.Proce.					
8	Tim.C.Proce.					
9	Tim.C.N.Pro.					
10	Transparent					

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40020	1664	HBR Buffer Size	5	4	N/A	255	129	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF81

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	129

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	32	K1505	HBR1BufferStartA	V	n/a						
CURVE												
20	0	32	K1506	HBR1BufferEndAdd	V	n/a						
CURVE												
24	0	32	K1507	HBR2BufferStartA	V	n/a						
CURVE												
28	0	32	K1508	HBR2BufferEndAdd	V	n/a						
CURVE												
32	0	32	K1509	HBR3BufferStartA	V	n/a						
CURVE												
36	0	32	K1510	HBR3BufferEndAdd	V	n/a						
CURVE												
40	0	32	K1511	HBR4BufferStartA	V	n/a						
CURVE												
44	0	32	K1512	HBR4BufferEndAdd	V	n/a						
CURVE												
48	0	32	K1513	HBR5BufferStartA	V	n/a						
CURVE												
52	0	32	K1514	HBR5BufferEndAdd	V	n/a						
CURVE												

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56 CURVE	0	32	K1515	HBR6BufferStartA	V	n/a
60 CURVE	0	32	K1516	HBR6BufferEndAdd	V	n/a
64 CURVE	0	32	K1517	HBR7BufferStartA	V	n/a
68 CURVE	0	32	K1518	HBR7BufferEndAdd	V	n/a
72 CURVE	0	32	K1519	HBR8BufferStartA	V	n/a
76 CURVE	0	32	K1520	HBR8BufferEndAdd	V	n/a

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40021	1664	HBR 1 BPT	5	4	N/A	255	131	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF83

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	131

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1521	HBR1 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40022	1664	Threshold Values	5	4	N/A	255	130	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF82

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	130

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1522	HBR1 Low Thresh	V	n/a						
CURVE												
18	0	16	K1523	HBR1 Upp Thresh	V	n/a						
CURVE												
20	0	16	K1524	HBR2 Low Thresh	V	n/a						
CURVE												
22	0	16	K1525	HBR2 Upp Thresh	V	n/a						
CURVE												
24	0	16	K1526	HBR3 Low Thresh	V	n/a						
CURVE												
26	0	16	K1527	HBR3 Upp Thresh	V	n/a						
CURVE												
28	0	16	K1528	HBR4 Low Thresh	V	n/a						
CURVE												
30	0	16	K1529	HBR4 Upp Thresh	V	n/a						
CURVE												
32	0	16	K1530	HBR5 Low Thresh	V	n/a						
CURVE												
34	0	16	K1531	HBR5 Upp Thresh	V	n/a						
CURVE												

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36 CURVE	0	16	K1532	HBR6 Low Thresh	V	n/a
38 CURVE	0	16	K1533	HBR6 Upp Thresh	V	n/a
40 CURVE	0	16	K1534	HBR7 Low Thresh	V	n/a
42 CURVE	0	16	K1535	HBR7 Upp Thresh	V	n/a
44 CURVE	0	16	K1536	HBR8 Low Thresh	V	n/a
46 CURVE	0	16	K1537	HBR8 Upp Thresh	V	n/a
48 CURVE	0	16	K1538	FastPatternThres	V	n/a

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40023	1664	Extraheating Config.	5	4	N/A	255	144	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF90

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	144

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	K1539	DeicinLowTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
17	0	8	K1540	DeicinUppTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
18	0	8	K1541	DeconLowTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
19	0	8	K1542	DeconUppTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
20	0	8	K1543	AnnealLowTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
21	0	8	K1544	AnnealUppTempLim	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
22	0	16	K1545	DeicinConfThCont	V	n/a						
RAW	MEANING											
0	OFF											
1	ON											
24	0	16	K1546	DeicinConfShroud	V	n/a						
RAW	MEANING											
26/10/98												

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0	OFF						
1	ON						
26	0	16	K1547	DeicinConfAnneal	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
28	0	16	K1548	DecontConfThCont	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
30	0	16	K1549	DecontConfShroud	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
32	0	16	K1550	DecontConfAnneal	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
34	0	16	K1551	AnnealConfThCont	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
36	0	16	K1552	AnnealConfShroud	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						
38	0	16	K1553	AnnealConfAnneal	V	n/a	
RAW	MEANING						
0	OFF						
1	ON						

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40024	1664	Therm. Monit. Limits	5	4	N/A	255	160	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FFA0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	160

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	K1554	UppMonTempLimits	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 0.357) - 159											
17	0	8	K1555	LowMonTempLimits	V	degC						
CURVE	Eng. Value [°C] = (Binary Value * 0.357) - 159											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40025	1664	EMDh Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40026	1664	EMDH Table Dump	6	2	N/A	N/A	N/A	1	N/A

Offset Word 0: 8E80					Offset Word 4: variable				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	48	Time	V	X
3	1	Type	F	0					
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664	Offset Word 7: 0001				
					Bit	Width	Name	F/V	Value
Offset Word 1: variable					0	16	MID	F	1
Bit	Width	Name	F/V	Value					
0	2	Segmentation Flags	F	3					
2	14	Source Sequence Count	V	X	Offset Word 8: variable				
Offset Word 2: variable					Bit	Width	Name	F/V	Value
Bit	Width	Name	F/V	Value	0	32	Start Address	V	X
0	16	Packet Length	V	X					
Offset Word 3: 0362									
Bit	Width	Name	F/V	Value					
0	6	Spare	F	0					
6	2	Checksum Flag	F	3					
8	4	Packet Type	F	6					
12	4	Packet Subtype	F	2					

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40027	1664	EMCR Memory Dump	6	2	N/A	N/A	N/A	16	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 0010

Bit	Width	Name	F/V	Value
0	16	MID	F	16

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40031	1664	EMDH Memory Checksum	6	3	N/A	N/A	N/A	0	N/A
Offset Word 0: 8E80									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	48	Time	V	X
3	1	Type	F	0					
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					
Offset Word 1: variable									
Bit	Width	Name	F/V	Value					
0	2	Segmentation Flags	F	3					
2	14	Source Sequence Count	V	X					
Offset Word 2: variable									
Bit	Width	Name	F/V	Value					
0	16	Packet Length	V	X					
Offset Word 3: 0363									
Bit	Width	Name	F/V	Value					
0	6	Spare	F	0					
6	2	Checksum Flag	F	3					
8	4	Packet Type	F	6					
12	4	Packet Subtype	F	3					
Offset Word 4: variable									
Bit	Width	Name	F/V	Value					
0	16	Memory Length	V	X					
Offset Word 7: 0000									
Bit	Width	Name	F/V	Value					
0	16	MID	F	0					
Offset Word 8: variable									
Bit	Width	Name	F/V	Value					
0	32	Start Address	V	X					
Offset Word 10:variable									
Bit	Width	Name	F/V	Value					
0	16	Memory Length	V	X					
Offset Word 11:variable									
Bit	Width	Name	F/V	Value					
0	16	Checksum Result	V	X					

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40032	1664	EMCR Memory Checksum	6	3	N/A	N/A	N/A	16	N/A
Offset Word 0: 8E80									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	48	Time	V	X
3	1	Type	F	0					
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					
Offset Word 1: variable									
Bit	Width	Name	F/V	Value					
0	2	Segmentation Flags	F	3					
2	14	Source Sequence Count	V	X					
Offset Word 2: variable									
Bit	Width	Name	F/V	Value					
0	16	Packet Length	V	X					
Offset Word 3: 0363									
Bit	Width	Name	F/V	Value					
0	6	Spare	F	0					
6	2	Checksum Flag	F	3					
8	4	Packet Type	F	6					
12	4	Packet Subtype	F	3					
Offset Word 4: variable									
Bit	Width	Name	F/V	Value					
0	16	MID	F	16					
Offset Word 7: 0010									
Bit	Width	Name	F/V	Value					
0	32	Start Address	V	X					
Offset Word 8: variable									
Bit	Width	Name	F/V	Value					
0	16	Memory Length	V	X					
Offset Word 10:variable									
Bit	Width	Name	F/V	Value					
0	16	Checksum Result	V	X					
Offset Word 11:variable									
Bit	Width	Name	F/V	Value					
0	16	Checksum Result	V	X					

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40033	1664	TM Generation Status	9	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	8	SID	V	X
8	8	Status of TM packet	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0391

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	9
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40034	1664	Time Verific. Report	10	5	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: variable				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	48	Time	V	X
3	1	Type	F	0					
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03A5				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	10
12	4	Packet Subtype	F	5

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40035	1664	Imaging Data	15	1	1	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0100				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	1
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F1				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40036	1664	Imaging Reduced Data	15	1	2	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0200				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	2
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F1				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40037	1664	Timing Data	15	2	3	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0300				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	3
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F2				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40038	1664	Timing Compres. Data	15	2	4	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0400				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	4
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F2				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40039	1664	Dagnostic Data	15	3	5	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0500				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	5
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F3				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40040	1664	Offset/Variance Data	15	4	6	N/A	N/A	N/A	N/A

Offset Word 0: 8E80					Offset Word 4: 0600				
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	8	SID	F	6
3	1	Type	F	0	8	8	Spare	F	0
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					

Offset Word 1: variable				
Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable				
Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4				
Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40041	1664	HBR2 Bright Pixel T.	5	4	N/A	255	132	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF84

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	132

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1556	HBR2 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40042	1664	HBR3 Bright Pixel T.	5	4	N/A	255	133	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF85

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	133

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1557	HBR3 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40043	1664	HBR4 Bright Pixel T.	5	4	N/A	255	134	N/A	N/A		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Offset Word 4: variable						
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664	Offset Word 7: FF86						
					Bit	Width	Name	F/V	Value		
					0	8	TID	F	255		
					8	8	FID	F	134		
Offset Word 1: variable											
Bit	Width	Name	F/V	Value							
0	2	Segmentation Flags	F	3							
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value							
0	16	Packet Length	V	X							
Offset Word 3: 0354											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	5							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
16	0	16	K1558	HBR4 Bright P.N.	V	n/a					
CURVE											
214	0	32	FIX	Fix bit pattern	F	n/a	0				
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40044	1664	HBR5 Bright Pixel T.	5	4	N/A	255	135	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF87

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	135

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1559	HBR5 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40045	1664	HBR6 Bright Pixel T.	5	4	N/A	255	136	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: FF88

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	136

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	16	K1560	HBR6 Bright P.N.	V	n/a						
CURVE												
214	0	32	FIX	Fix bit pattern	F	n/a	0					
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40046	1664	Imaging Coun. Fr. R.	15	4	7	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: 0700

Bit	Width	Name	F/V	Value
0	8	SID	F	7
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
10	0	16	K1486	HBR Identifier	V	n/a					
CURVE											
12	0	16	K1561	IC Valid Events	V	n/a					
CURVE											
14	0	16	K1562	ICRejEventsLowTh	V	n/a					
CURVE											
16	0	16	K1563	ICRejEventsUppTh	V	n/a					
CURVE											
18	0	16	K1564	ICRejectedFrames	V	n/a					
CURVE											
20	0	48	K1565	ICountModeStartT	V	n/a					
CURVE											
26	0	48	K1566	ICountModeStopT	V	n/a					
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40047	1664	Timing Coun. Fra. R.	15	4	8	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: 0800

Bit	Width	Name	F/V	Value
0	8	SID	F	8
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
10	0	16	K1486	HBR Identifier	V	n/a					
CURVE											
12	0	16	K1567	TC Valid Events	V	n/a					
CURVE											
14	0	16	K1568	TCRejEventsLowTh	V	n/a					
CURVE											
16	0	16	K1569	TCRejEventsUppTh	V	n/a					
CURVE											
18	0	16	K1570	TCRejectedFrames	V	n/a					
CURVE											
20	0	48	K1571	TCountModeStartT	V	n/a					
CURVE											
26	0	48	K1572	TCountModeStopT	V	n/a					
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40048	1664	UnsuccSwitchOpening	4	3	125	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 7D//

Bit	Width	Name	F/V	Value
0	8	SID	F	125

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1711	SwitchIdentifier	V	n/a						
RAW MEANING												
2560	Door											
2816	VentingValve											
3072	Annealing											
3328	SecondShroud											
3584	FW Coil 1											
3840	FW Coil 2											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40049	1664	CurrentLimiterActiv	4	3	126	N/A	N/A	N/A	N/A

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 7E//

Bit	Width	Name	F/V	Value
0	8	SID	F	

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
16	0	16	K1711	SwitchIdentifier	V	n/a						
RAW MEANING												
2560	Door											
2816	VentingValve											
3072	Annealing											
3328	SecondShroud											
3584	FW Coil 1											
3840	FW Coil 2											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40103	1664	UnsComAc-IncorrecCHK	3	2	N/A	N/A	N/A	N/A	1

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: 0100

Bit	Width	Name	F/V	Value
0	8	Error Code	F	1
8	8	Spare	F	0

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40104	1664	UnsComEx-MemoryError	3	4	N/A	N/A	N/A	N/A	131		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 83//						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	131		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40203	1664	UnsComAc-IllegalTYPE	3	2	N/A	N/A	N/A	N/A	2		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 0200						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	2		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40204	1664	UnsComEx-EMDH Lcfull	3	4	N/A	N/A	N/A	N/A	132		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value							
0	3	Version Number	F	4							
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value							
0	2	Segmentation Flags	F	3							
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value							
0	16	Packet Length	V	X							
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
Offset Word 4: variable											
Bit	Width	Name	F/V	Value							
0	48	Time	V	X							
Offset Word 7: variable											
Bit	Width	Name	F/V	Value							
0	16	TC Sequence Count	V	X							
Offset Word 8: 84//											
Bit	Width	Name	F/V	Value							
0	8	Error Code	F	132							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40303	1664	UnsComAc-IllegalSTYP	3	2	N/A	N/A	N/A	N/A	3		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 0300						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	3		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40304	1664	UnsComEx-OtherMemory	3	4	N/A	N/A	N/A	N/A	133		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	133		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40403	1664	UnsComAc-IllegLength	3	2	N/A	N/A	N/A	N/A	5		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	5		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40404	1664	UnsComEx-GenericErr	3	4	N/A	N/A	N/A	N/A	134		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 86//						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	134		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40503	1664	UnsComAc-Illegal TID	3	2	N/A	N/A	N/A	N/A	8		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 0800						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	8		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40504	1664	UnsComEx-HazardousTC	3	4	N/A	N/A	N/A	N/A	135		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 87//						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	135		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40603	1664	UnsComAc-Illegal FID	3	2	N/A	N/A	N/A	N/A	9		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 0900						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	9		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40604	1664	UnsComEx-PeriodicPro	3	4	N/A	N/A	N/A	N/A	136		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 88//						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	136		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40703	1664	UnsComAc-IllegalMODE	3	2	N/A	N/A	N/A	N/A	10		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	10		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40704	1664	UnsComEx-LBR ProtErr	3	4	N/A	N/A	N/A	N/A	238

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: EE//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	238

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	K1637	LBRProtocolError	V	n/a						
RAW	MEANING											
51	4FailedAttem											
68	LCBootPrgDis											
85	LC CTRRAMDis											
102	IllegLC code											
119	LCcurrCTRdis											
136	LCparaOutRan											
153	LCexecFailed											
170	OtherLC/Leng											
250	NoEMCRrespon											
251	Other Errors											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
40803	1664	UnsComAc-Illegal MID	3	2	N/A	N/A	N/A	N/A	11
Offset Word 0: 8E80									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	3	Version Number	F	4	0	48	Time	V	X
3	1	Type	F	0					
4	1	Data Field Header Flag	F	1					
5	11	APID	F	1664					
Offset Word 1: variable									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3					
2	14	Source Sequence Count	V	X					
Offset Word 2: variable									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X					
Offset Word 3: 0332									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
0	6	Spare	F	0					
6	2	Checksum Flag	F	3					
8	4	Packet Type	F	3					
12	4	Packet Subtype	F	2					
Offset Word 4: variable									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	16	TC Sequence Count	V	X
Offset Word 7: variable									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value
					0	8	Error Code	F	11
					8	8	Spare	F	0
Offset Word 8: 0B00									
Bit									

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40804	1664	UnsComEx-WrongO/Vpar	3	4	N/A	N/A	N/A	N/A	94		
Offset Word 0: 8E80					Offset Word 4: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable					Offset Word 7: variable						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable					Offset Word 8: 5E//						
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	94		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value							
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
40903	1664	UnsComAc-IncorHeader	3	2	N/A	N/A	N/A	N/A	129		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	129		
					8	8	Spare	F	0		
Offset Word 3: 0332											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	2							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE		
41004	1664	UnsComEx-TranRefused	3	4	N/A	N/A	N/A	N/A	240		
Offset Word 0: 8E80											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	3	Version Number	F	4	0	48	Time	V	X		
3	1	Type	F	0							
4	1	Data Field Header Flag	F	1							
5	11	APID	F	1664							
Offset Word 1: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	2	Segmentation Flags	F	3	0	16	TC Sequence Count	V	X		
2	14	Source Sequence Count	V	X							
Offset Word 2: variable											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	16	Packet Length	V	X	0	8	Error Code	F	240		
Offset Word 3: 0334											
Bit	Width	Name	F/V	Value	Bit	Width	Name	F/V	Value		
0	6	Spare	F	0							
6	2	Checksum Flag	F	3							
8	4	Packet Type	F	3							
12	4	Packet Subtype	F	4							
BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1638	Refusal Reason	V	n/a					
RAW MEANING											
1	AutTransRun										
2	NotAllowTra										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41104	1664	UnsComEx-SafeToIdle	3	4	N/A	N/A	N/A	N/A	241

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F1//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	241

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1639	LoadInitprocIdle	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
20	0	16	K1640	UnloadInitprIdle	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41204	1664	UnsComEx-ObserToIdle	3	4	N/A	N/A	N/A	N/A	242

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F2//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	242

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1641	LoadExitPrimeFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1642	UnloadExPrimeFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1643	UnloadPrimeFasPr	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1644	UnloadUpdateHKpr	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
26	0	16	K1645	Cmd Stop OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41304	1664	UnsComEx-DiagnToIdle	3	4	N/A	N/A	N/A	N/A	243

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F3//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	243

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1646	LoadExitDiagProc	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1647	UnloadExitDiagPr	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1645	Cmd Stop OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1648	UnloadDiagProc	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41404	1664	UnsComEx-Of/VaToIdle	3	4	N/A	N/A	N/A	N/A	244

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F4//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	244

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1649	LoadExitOVproces	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
20	0	16	K1650	UnloadExitOVproc	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
22	0	16	K1645	Cmd Stop OBS	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
24	0	16	K1651	Unload OV proces	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41504	1664	UnsComEx-ExHeaToIdle	3	4	N/A	N/A	N/A	N/A	245

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F5//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	245

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1652	LoadExitExtrhPro	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
20	0	16	K1653	UnloadExitExtrah	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
22	0	16	K1654	CmdStopEMCRTemCt	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
2				Not required							
24	0	16	K1655	CmdSetEMAECTrlOn	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41604	1664	UnsComEx-IFT To Idle	3	4	N/A	N/A	N/A	N/A	246

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F6//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	246

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1656	LoadExitIftProc	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
20	0	16	K1657	UnloadExitIftPro	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
22	0	16	K1643	UnloadPrimeFasPr	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
24	0	16	K1644	UnloadUpdateHKpr	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
26	0	16	K1658	IFT Submode	V	n/a					
RAW MEANING											
1				ift_emdh							
2				ift_emcs							

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41704	1664	UnsComEx-Any To Safe	3	4	N/A	N/A	N/A	N/A	247

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F7//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	247

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1659	LoadInitProcSafe	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1660	UnloadInitPrSafe	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1655	CmdSetEMAECtrlOn	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1654	CmdStopEMCRTemCt	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
2				Not required								
26	0	16	K1661	CmdSetFPmainCtrl	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
28	0	16	K1662	FWpositionClosed	V	n/a						
RAW MEANING												
0				Closed								
1				NotClosed/Un								
30	0	16	K1663	UnlockSafeEmerge	V	n/a						
RAW MEANING												

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0	OK					
1	Not OK					
32	0	16	K1664	LockSafeEmergenc	V	n/a
RAW MEANING						
0	OK					
1	Not OK					
34	0	16	K1665	OutcomingSWmode	V	n/a
CURVE						
36	0	16	K1666	EMDHSWinSafeMode	V	n/a
RAW MEANING						
0	False					
1	True					
38	0	16	K1667	Transition Abort	V	n/a
RAW MEANING						
0	OK					
1	Not OK					
2	Not required					
40	0	16	K1645	Cmd Stop OBS	V	n/a
RAW MEANING						
0	OK					
1	Not OK					
42	0	16	K1668	UnloadScientProc	V	n/a
RAW MEANING						
0	OK					
1	Not OK					
44	0	16	K1669	UnloadUpdateHKpr	V	n/a
RAW MEANING						
0	OK					
1	Not OK					

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41804	1664	UnsComEx-IdleToSafe	3	4	N/A	N/A	N/A	N/A	248

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F8//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	248

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1659	LoadInitProcSafe	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1660	UnloadInitPrSafe	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1655	CmdSetEMAECtrlOn	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1654	CmdStopEMCRTemCt	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
2				Not required								
26	0	16	K1661	CmdSetFPmainCtrl	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
28	0	16	K1662	FWpositionClosed	V	n/a						
RAW MEANING												
0				Closed								
1				NotClosed/Un								

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
41904	1664	UnsComEx-IdleToIdle	3	4	N/A	N/A	N/A	N/A	249

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: F9//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	249

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1639	LoadInitprocIdle	V	n/a					
RAW MEANING											
0	OK										
1	Not OK										
20	0	16	K1640	UnloadInitprIdle	V	n/a					
RAW MEANING											
0	OK										
1	Not OK										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42004	1664	UnsComEx-IdleToPrime	3	4	N/A	N/A	N/A	N/A	250

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FA//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	250

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1670	LoadInitprPriFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1671	UnloadInitPriFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1672	LoadPrimeFastPro	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1673	LoadUpdateHKcoun	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
26	0	16	K1674	Cmd Start OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42104	1664	UnsComEx-IdleToFast	3	4	N/A	N/A	N/A	N/A	251

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FB//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	251

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1670	LoadInitprPriFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1671	UnloadInitPriFas	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1672	LoadPrimeFastPro	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1673	LoadUpdateHKcoun	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
26	0	16	K1674	Cmd Start OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42204	1664	UnsComEx-IdleToDiagn	3	4	N/A	N/A	N/A	N/A	252

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FC//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	252

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1675	LoadDiagProcess	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1676	ExpectedPixelNum	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1677	HBR Config Error	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1674	Cmd Start OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
26	0	16	K1678	ReturnToIdleErro	V	n/a						
RAW MEANING												
0				False								
1				True								
28	0	16	K1648	UnloadDiagProc	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
30	0	16	K1679	LoadInitDiagProc	V	n/a						
RAW MEANING												
0				OK								

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1	Not OK						
32	0	16	K1680	UnloadIniDiagPro	V	n/a	
RAW	MEANING						
0	OK						
1	Not OK						

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Appendix M

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42304	1664	UnsComEx-IdleToOfVa	3	4	N/A	N/A	N/A	N/A	253

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FD//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	253

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1681	LoadOffVarProces	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
20	0	16	K1677	HBR Config Error	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
22	0	16	K1674	Cmd Start OBS	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
24	0	16	K1678	ReturnToIdleErro	V	n/a						
RAW MEANING												
0				False								
1				True								
26	0	16	K1651	Unload OV proces	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
28	0	16	K1682	LoadInitprocOfVa	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
30	0	16	K1683	UnloadInitprocOV	V	n/a						
RAW MEANING												
0				OK								

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1 Not OK

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42404	1664	UnsComEx-IdleToExHea	3	4	N/A	N/A	N/A	N/A	254

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FE//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	254

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0					
CURVE												
18	0	16	K1684	Door Open Status	V	n/a						
RAW MEANING												
0				True								
1				False								
20	0	16	FIX	Fix bit pattern	F	n/a	0					
CURVE												
22	0	16	K1685	CCDs in off	V	n/a						
RAW MEANING												
0				True								
1				False								
24	0	16	K1686	FPTempBelowSafTh	V	n/a						
RAW MEANING												
0				False								
1				True								
26	0	16	K1678	ReturnToIdleErro	V	n/a						
RAW MEANING												
0				False								
1				True								
28	0	16	K1687	CmdEMAE Ctrl Off	V	n/a						
RAW MEANING												
0				OK								
1				Not OK								
2				Not required								
30	0	16	K1688	CmdStartEMCRtemp	V	n/a						
RAW MEANING												
0				OK								

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1	Not OK					
2	Not required					
32	0	16	K1689	FW position Open	V	n/a
RAW	MEANING					
0	Open					
1	NotOpen/Un					
34	0	16	K1690	LoadInitprExtrah	V	n/a
RAW	MEANING					
0	OK					
1	Not OK					
36	0	16	K1691	UnloadInitprExtr	V	n/a
RAW	MEANING					
0	OK					
1	Not OK					

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
42504	1664	UnsComEx-Idle To IFT	3	4	N/A	N/A	N/A	N/A	255

Offset Word 0: 8E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 8: FF//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	255

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Fix bit pattern	F	n/a	0				
CURVE											
18	0	16	K1692	LoadInitprocIFT	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
20	0	16	K1693	UnloadInitprIFT	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
22	0	16	K1672	LoadPrimeFastPro	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
24	0	16	K1673	LoadUpdateHKcoun	V	n/a					
RAW MEANING											
0				OK							
1				Not OK							
26	0	16	K1658	IFT Submode	V	n/a					
RAW MEANING											
1				ift_emdh							
2				ift_emcs							