

Verigy Advantest 93000 P1000 Tester

Manufacturer: Verigy Advantest
Model: 93000 P1000
Vintage: 2004
Location: USA
Inspectability: Yes, can be inspected and demonstrated
Configuration:

- Large Test Head (1024 Channels)
- 512 Channels P1000 / 56M
- 16 Channels P1000 / 112M
- 16 Channels P2500 / 112M
- 16 Power Supply Channels
- 3 Analog Boards (Waveform generator and 2 digitizers)





hp93_spec

Board	Type	Serial	PhyMem	curr. BunMem	new BunMem	current BunModel	new BunModel	State
11	CTRL	2749	-----	-----	-----	P		0x0074d7
12	CTRL	2281	-----	-----	-----	P		0x007d87
21	CTRL	6103	-----	-----	-----	P		0x000061
22	CTRL	2274	-----	-----	-----	P		0x007cb5
31	CTRL	13175	-----	-----	-----	CE		0x0040eb
32	CTRL	2300	-----	-----	-----	P		0x007dd3
41	CTRL	2570	-----	-----	-----	P		0x00760b
42	CTRL	2304	-----	-----	-----	P		0x007a23
1011	CHMO	6280	2 M	2 M	-----	P1000		0x00e493
10111	SDRM	30420	56 M	56 M		----	----	0x008915
10112	SDRM	30419	56 M	56 M		----	----	0x008909
1012	CHMO	26001	2 M	2 M	-----	P1000		0x013ecf
10121	SDRM	30602	56 M	56 M		----	----	0x008c6d
10122	SDRM	30599	56 M	56 M		----	----	0x008c59
1013	CHMO	2127	2 M	2 M	-----	P1000		0x0199df
10131	SDRM	30415	56 M	56 M		----	----	0x008979
10132	SDRM	30416	56 M	56 M		----	----	0x008905
1014	CHMO	8579	2 M	2 M	-----	P1000		0x000fc3
10141	SDRM	30603	56 M	56 M		----	----	0x008c69
10142	SDRM	30600	56 M	56 M		----	----	0x008c65
1021	CHMO	6235	2 M	2 M	-----	P1000		0x004667
10211	SDRM	333	56 M	56 M		----	----	0x01aa45
1022	CHMO	513	2 M	2 M	-----	P1000		0x013009
10221	SDRM	4700	56 M	56 M		----	----	0x00e11f
1023	CHMO	6723	2 M	2 M	-----	P1000		0x01ce3d
10231	SDRM	4746	56 M	56 M		----	----	0x00e247
1024	CHMO	2118	2 M	2 M	-----	P1000		0x0199f3
10241	SDRM	483	56 M	56 M		----	----	0x01a8fd
1031	CHMO	6028	2 M	2 M	-----	P1000		0x007943
10311	SDRM	4700	56 M	56 M		----	----	0x00e11f
1032	CHMO	819	2 M	2 M	-----	P1000		0x015847
10321	SDRM	483	56 M	56 M		----	----	0x01a8fd
1033	CHMO	9664	2 M	2 M	-----	P1000		0x00bfff
10331	SDRM	333	56 M	56 M		----	----	0x01aa45
1034	CHMO	8452	2 M	2 M	-----	P1000		0x01acb7
10341	SDRM	4746	56 M	56 M		----	----	0x00e247
1041	CHMO	6514	2 M	2 M	-----	P1000		0x0163f1
10411	SDRM	483	56 M	56 M		----	----	0x01a8fd
1042	CHMO	27661	2 M	2 M	-----	P1000		0x019857
10421	SDRM	4700	56 M	56 M		----	----	0x00e11f
1043	CHMO	27788	2 M	2 M	-----	P1000		0x019a23
10431	SDRM	4746	56 M	56 M		----	----	0x00e247
1044	CHMO	8474	2 M	2 M	-----	P1000		0x000d97
10441	SDRM	333	56 M	56 M		----	----	0x01aa45
1051	CHMO	2849	2 M	2 M	-----	P1000		0x018bef
10511	SDRM	4746	56 M	56 M		----	----	0x00e247
1052	CHMO	815	2 M	2 M	-----	P1000		0x012bb9
10521	SDRM	4700	56 M	56 M		----	----	0x00e11f
1053	CHMO	1122	2 M	2 M	-----	P1000		0x00b6b5
10531	SDRM	483	56 M	56 M		----	----	0x01a8fd
1054	CHMO	2111	2 M	2 M	-----	P1000		0x000711
10541	SDRM	4746	56 M	56 M		----	----	0x00e247
1061	CHMO	3064	2 M	2 M	-----	P1000		0x0144ab
10611	SDRM	4700	56 M	56 M		----	----	0x00e11f
1062	CHMO	22025	2 M	2 M	-----	P1000		0x0011f7
10621	SDRM	483	56 M	56 M		----	----	0x01a8fd
1063	CHMO	22027	2 M	2 M	-----	P1000		0x0011ff
10631	SDRM	333	56 M	56 M		----	----	0x01aa45
1064	CHMO	21733	2 M	2 M	-----	P1000		0x001a1f
10641	SDRM	4746	56 M	56 M		----	----	0x00e247
1071	CHMO	4502	2 M	2 M	-----	P1000		0x0161f3
10711	SDRM	483	56 M	56 M		----	----	0x01a8fd
1072	CHMO	5049	2 M	2 M	-----	P1000		0x01e6c1
10721	SDRM	4700	56 M	56 M		----	----	0x00e11f

1073	CHMO	5958	2 M	2 M	-----	P1000		0x007a6b
10731	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1074	CHMO	13909	2 M	2 M	-----	P1000		0x01f139
10741	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1081	CHMO	6639	2 M	2 M	-----	P1000		0x016165
10811	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1082	CHMO	7052	2 M	2 M	-----	P1000		0x01e7c7
10821	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1083	CHMO	5785	2 M	2 M	-----	P1000		0x00dc57
10831	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1084	CHMO	6579	2 M	2 M	-----	P1000		0x0160c5
10841	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1091	CHMO	19055	2 M	2 M	-----	P1000		0x00e099
10911	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1092	CHMO	8919	2 M	2 M	-----	P1000		0x0182b1
10921	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1093	CHMO	6721	2 M	2 M	-----	P1000		0x016f95
10931	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1094	CHMO	2682	2 M	2 M	-----	P1000		0x009123
10941	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1101	CHMO	28713	2 M	2 M	-----	P1000		0x00f1e3
11011	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1102	CHMO	12639	2 M	2 M	-----	P1000		0x019527
11021	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1103	CHMO	14021	2 M	2 M	-----	P1000		0x01eb11
11031	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1104	CHMO	28908	2 M	2 M	-----	P1000		0x00f2a7
11041	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1111	CHMO	2692	2 M	2 M	-----	P1000		0x0092db
11111	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1112	CHMO	3998	2 M	2 M	-----	P1000		0x00f0b5
11121	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1113	CHMO	10490	2 M	2 M	-----	P1000		0x00ebdd
11131	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1114	CHMO	13735	2 M	2 M	-----	P1000		0x009e37
11141	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1121	CHMO	7936	2 M	2 M	-----	P1000		0x015437
11211	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1122	CHMO	8903	2 M	2 M	-----	P1000		0x0023f3
11221	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1123	CHMO	8444	2 M	2 M	-----	P1000		0x01ab57
11231	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1124	CHMO	8092	2 M	2 M	-----	P1000		0x015647
11241	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1131	CHMO	4819	2 M	2 M	-----	P1000		0x01cdd7
11311	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1132	CHMO	4673	2 M	2 M	-----	P1000		0x00ee77
11321	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1133	CHMO	8071	2 M	2 M	-----	P1000		0x00d60b
11331	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1134	CHMO	21621	2 M	2 M	-----	P1000		0x00f997
11341	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1141	CHMO	9286	2 M	2 M	-----	P1000		0x0159c5
11411	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1142	CHMO	3506	2 M	2 M	-----	P1000		0x0130eb
11421	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1143	CHMO	24707	2 M	2 M	-----	P1000		0x012a73
11431	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1144	CHMO	5102	2 M	2 M	-----	P1000		0x0049a3
11441	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1151	CHMO	16215	2 M	2 M	-----	P1000		0x004df1
11511	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1152	CHMO	13619	2 M	2 M	-----	P1000		0x00847f
11521	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1153	CHMO	13618	2 M	2 M	-----	P1000		0x00847b
11531	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1154	CHMO	14286	2 M	2 M	-----	P1000		0x01eff5
11541	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1161	CHMO	28380	2 M	2 M	-----	P1000		0x0193f3
11611	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd

1162	CHMO	8473	2 M	2 M	-----	P1000		0x002c03
11621	SDRM	4700	56 M	56 M		----	----	0x00e11f
1163	CHMO	11508	2 M	2 M	-----	P1000		0x011bf5
11631	SDRM	4746	56 M	56 M		----	----	0x00e247
1164	CHMO	5027	2 M	2 M	-----	P1000		0x00e9b7
11641	SDRM	333	56 M	56 M		----	----	0x01aa45
1171	CHMO	17017	2 M	2 M	-----	P1000		0x01a111
11711	SDRM	483	56 M	56 M		----	----	0x01a8fd
1172	CHMO	6264	2 M	2 M	-----	P1000		0x00e753
11721	SDRM	333	56 M	56 M		----	----	0x01aa45
1173	CHMO	6298	2 M	2 M	-----	P1000		0x00e4c3
11731	SDRM	4746	56 M	56 M		----	----	0x00e247
1174	CHMO	1699	2 M	2 M	-----	P1000		0x009c03
11741	SDRM	4700	56 M	56 M		----	----	0x00e11f
1181	CHMO	3718	2 M	2 M	-----	P1000		0x011d4b
11811	SDRM	483	56 M	56 M		----	----	0x01a8fd
1182	CHMO	11816	2 M	2 M	-----	P1000		0x011095
11821	SDRM	4700	56 M	56 M		----	----	0x00e11f
1183	CHMO	6215	2 M	2 M	-----	P1000		0x004607
11831	SDRM	4746	56 M	56 M		----	----	0x00e247
1184	CHMO	3779	2 M	2 M	-----	P1000		0x011c1f
11841	SDRM	333	56 M	56 M		----	----	0x01aa45
1191	CHMO	7635	2 M	2 M	-----	P1000		0x015f33
11911	SDRM	333	56 M	56 M		----	----	0x01aa45
1192	CHMO	21894	2 M	2 M	-----	P1000		0x017ea5
11921	SDRM	483	56 M	56 M		----	----	0x01a8fd
1193	CHMO	2847	2 M	2 M	-----	P1000		0x018b17
11931	SDRM	4700	56 M	56 M		----	----	0x00e11f
1194	CHMO	7547	2 M	2 M	-----	P1000		0x01d25d
11941	SDRM	4746	56 M	56 M		----	----	0x00e247
1201	CHMO	9855	2 M	2 M	-----	P1000		0x00b1cb
12011	SDRM	333	56 M	56 M		----	----	0x01aa45
1202	CHMO	2699	2 M	2 M	-----	P1000		0x000d99
12021	SDRM	4700	56 M	56 M		----	----	0x00e11f
1203	CHMO	5261	2 M	2 M	-----	P1000		0x00f5c7
12031	SDRM	333	56 M	56 M		----	----	0x01aa45
1204	CHMO	1350	2 M	2 M	-----	P1000		0x00b20d
12041	SDRM	483	56 M	56 M		----	----	0x01a8fd
1211	CHMO	964	2 M	2 M	-----	P1000		0x00b76d
12111	SDRM	483	56 M	56 M		----	----	0x01a8fd
1212	CHMO	11443	2 M	2 M	-----	P1000		0x007ab1
12121	SDRM	4700	56 M	56 M		----	----	0x00e11f
1213	CHMO	3797	2 M	2 M	-----	P1000		0x013d8f
12131	SDRM	4746	56 M	56 M		----	----	0x00e247
1214	CHMO	4457	2 M	2 M	-----	P1000		0x01c3af
12141	SDRM	333	56 M	56 M		----	----	0x01aa45
1221	CHMO	1035	2 M	2 M	-----	P1000		0x00b701
12211	SDRM	4746	56 M	56 M		----	----	0x00e247
1222	CHMO	1772	2 M	2 M	-----	P1000		0x00bc25
12221	SDRM	483	56 M	56 M		----	----	0x01a8fd
1223	CHMO	27659	2 M	2 M	-----	P1000		0x01984f
12231	SDRM	333	56 M	56 M		----	----	0x01aa45
1224	CHMO	21901	2 M	2 M	-----	P1000		0x00fe67
12241	SDRM	4700	56 M	56 M		----	----	0x00e11f
1231	CHMO	3789	2 M	2 M	-----	P1000		0x011c27
12311	SDRM	4746	56 M	56 M		----	----	0x00e247
1232	CHMO	11992	2 M	2 M	-----	P1000		0x0113a5
12321	SDRM	333	56 M	56 M		----	----	0x01aa45
1233	CHMO	3776	2 M	2 M	-----	P1000		0x011c13
12331	SDRM	483	56 M	56 M		----	----	0x01a8fd
1234	CHMO	14559	2 M	2 M	-----	P1000		0x01cba1
12341	SDRM	4700	56 M	56 M		----	----	0x00e11f
1241	CHMO	1551	2 M	2 M	-----	P1000		0x003f01
12411	SDRM	483	56 M	56 M		----	----	0x01a8fd
1242	CHMO	23410	2 M	2 M	-----	P1000		0x00c52b
12421	SDRM	4700	56 M	56 M		----	----	0x00e11f
1243	CHMO	12085	2 M	2 M	-----	P1000		0x0114f1
12431	SDRM	4746	56 M	56 M		----	----	0x00e247
1244	CHMO	16007	2 M	2 M	-----	P1000		0x0052f9
12441	SDRM	333	56 M	56 M		----	----	0x01aa45

1251	CHMO	3617	2 M	2 M	-----	P1000		0x019f07
12511	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1252	CHMO	9875	2 M	2 M	-----	P1000		0x00b2d3
12521	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1253	CHMO	7963	2 M	2 M	-----	P1000		0x0154bb
12531	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1254	CHMO	6693	2 M	2 M	-----	P1000		0x004f0f
12541	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1261	CHMO	25492	2 M	2 M	-----	P1000		0x013eb3
12611	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1262	CHMO	25488	2 M	2 M	-----	P1000		0x013ea3
12621	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1263	CHMO	11352	2 M	2 M	-----	P1000		0x01010d
12631	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1264	CHMO	25493	2 M	2 M	-----	P1000		0x013eb7
12641	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1271	CHMO	7361	2 M	2 M	-----	P1000		0x01d4d5
12711	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1272	CHMO	10797	2 M	2 M	-----	P1000		0x006021
12721	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1273	CHMO	2792	2 M	2 M	-----	P1000		0x018ce3
12731	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1274	CHMO	7644	2 M	2 M	-----	P1000		0x007e5f
12741	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1281	CHMO	2685	2 M	2 M	-----	P1000		0x002f21
12811	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1282	CHMO	9078	2 M	2 M	-----	P1000		0x018445
12821	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1283	CHMO	1883	2 M	2 M	-----	P1000		0x011b91
12831	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1284	CHMO	3485	2 M	2 M	-----	P1000		0x013057
12841	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1291	CHMO	27750	2 M	2 M	-----	P1000		0x019983
12911	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1292	CHMO	27751	2 M	2 M	-----	P1000		0x019987
12921	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1293	CHMO	27744	2 M	2 M	-----	P1000		0x01999b
12931	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1294	CHMO	10175	2 M	2 M	-----	P1000		0x00b6cb
12941	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1301	CHMO	9957	2 M	2 M	-----	P1000		0x00b30b
13011	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1302	CHMO	10126	2 M	2 M	-----	P1000		0x00b60f
13021	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1303	CHMO	10169	2 M	2 M	-----	P1000		0x00b6d3
13031	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1304	CHMO	10027	2 M	2 M	-----	P1000		0x00b473
13041	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1311	CHMO	27537	2 M	2 M	-----	P1000		0x01862f
13111	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1312	CHMO	28612	2 M	2 M	-----	P1000		0x0197a3
13121	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd
1313	CHMO	27786	2 M	2 M	-----	P1000		0x019a3b
13131	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1314	CHMO	27544	2 M	2 M	-----	P1000		0x01860b
13141	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1321	CHMO	5218	2 M	2 M	-----	P1000		0x005763
13211	SDRM	4746	56 M	56 M	-----	-----	-----	0x00e247
1322	CHMO	1835	2 M	2 M	-----	P1000		0x011aa9
13221	SDRM	333	56 M	56 M	-----	-----	-----	0x01aa45
1323	CHMO	2982	2 M	2 M	-----	P1000		0x00a8f5
13231	SDRM	4700	56 M	56 M	-----	-----	-----	0x00e11f
1324	CHMO	12164	2 M	2 M	-----	P1000		0x0116d5
13241	SDRM	483	56 M	56 M	-----	-----	-----	0x01a8fd

```
*** Diagnostics running on localhost.localdomain ***
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DI: device period: 250
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[illegible]

#: 41	CTRL	E6978-66424	SL-2570	4135
#: 42	CTRL	E6978-66472	SL-2304	4122
#: 41	CLK	E6978-66515	SL-2595	A4047
#: 42	CLK	E6978-66415	SL-5899	4114
#: 101	CHBD	E6996-66501	SL-10818	B4031
#: 101	REL	E6996-66413	SL-11328	C4112
#: 1011	CHMO	E6996-86543	SI-6280	3838
#: 10111	SDRM	E6997-66503	SL-30420	3714
#: 10112	SDRM	E6997-66503	SL-30419	3714
#: 1012	CHMO	E6996-86543	AC-26001	4025
#: 10121	SDRM	E6997-66503	SL-30602	3714
#: 10122	SDRM	E6997-66503	SL-30599	3714
#: 1013	CHMO	E6996-86543	MB-2127	4011
#: 10131	SDRM	E6997-66503	SL-30415	3714
#: 10132	SDRM	E6997-66503	SL-30416	3714
#: 1014	CHMO	E6996-86543	SI-8579	3838
#: 10141	SDRM	E6997-66503	SL-30603	3714
#: 10142	SDRM	E6997-66503	SL-30600	3714
#: 102	CHBD	E6996-66401	SL-13738	B4112
#: 102	REL	E6996-66413	SL-14403	C4117
#: 1021	CHMO	E6996-86543	AC-6235	4024
#: 10211	SDRM	E6997-66404	79-333	100
#: 1022	CHMO	E6996-86543	MB-513	4011
#: 10221	SDRM	E6997-66404	79-4700	100
#: 1023	CHMO	E6996-86543	AC-6723	4024
#: 10231	SDRM	E6997-66404	79-4746	100
#: 1024	CHMO	E6996-86543	MB-2118	4011
#: 10241	SDRM	E6997-66404	79-483	100
#: 103	CHBD	E6996-66401	SL-14331	B4112
#: 103	REL	E6996-66413	SL-13733	C4117
#: 1031	CHMO	E6996-86543	AC-6028	4024
#: 10311	SDRM	E6997-66404	79-4700	100
#: 1032	CHMO	E6996-88543	MB-819	H4011
#: 10321	SDRM	E6997-66404	79-483	100
#: 1033	CHMO	E6996-86543	AC-9664	4024
#: 10331	SDRM	E6997-66404	79-333	100
#: 1034	CHMO	E6996-86543	AC-8452	4024
#: 10341	SDRM	E6997-66404	79-4746	100
#: 104	CHBD	E6996-66401	SL-10646	B4112
#: 104	REL	E6996-66413	SL-10539	C4112
#: 1041	CHMO	E6996-86543	SI-6514	3838
#: 10411	SDRM	E6997-66404	79-483	100
#: 1042	CHMO	E6996-86543	AC-27661	4025
#: 10421	SDRM	E6997-66404	79-4700	100
#: 1043	CHMO	E6996-86543	AC-27788	4025
#: 10431	SDRM	E6997-66404	79-4746	100
#: 1044	CHMO	E6996-86543	SI-8474	3838
#: 10441	SDRM	E6997-66404	79-333	100
#: 105	CHBD	E6996-66401	SL-13676	B4112
#: 105	REL	E6996-66413	SL-14335	C4117
#: 1051	CHMO	E6996-86543	AC-2849	4024
#: 10511	SDRM	E6997-66404	79-4746	100
#: 1052	CHMO	E6996-86543	AC-815	4024
#: 10521	SDRM	E6997-66404	79-4700	100
#: 1053	CHMO	E6996-86543	AC-1122	4024
#: 10531	SDRM	E6997-66404	79-483	100
#: 1054	CHMO	E6996-86543	AC-2111	4024
#: 10541	SDRM	E6997-66404	79-4746	100
#: 106	CHBD	E6996-66401	SL-14110	B4112
#: 106	REL	E6996-66413	SL-13189	C4117
#: 1061	CHMO	E6996-88543	SI-3064	F3838
#: 10611	SDRM	E6997-66404	79-4700	100
#: 1062	CHMO	E6996-86543	MM-22025	4107
#: 10621	SDRM	E6997-66404	79-483	100
#: 1063	CHMO	E6996-86543	MM-22027	4107
#: 10631	SDRM	E6997-66404	79-333	100
#: 1064	CHMO	E6996-86543	MM-21733	4107
#: 10641	SDRM	E6997-66404	79-4746	100
#: 107	CHBD	E6996-66401	SL-15253	B4112
#: 107	REL	E6996-66413	SL-13695	C4117

#: 1071	CHMO	E6996-86543	AC-4502	4024
#: 10711	SDRM	E6997-66404	79-483	100
#: 1072	CHMO	E6996-86543	AC-5049	4024
#: 10721	SDRM	E6997-66404	79-4700	100
#: 1073	CHMO	E6996-86543	AC-5958	4024
#: 10731	SDRM	E6997-66404	79-4746	100
#: 1074	CHMO	E6996-86543	AC-13909	4025
#: 10741	SDRM	E6997-66404	79-333	100
#: 108	CHBD	E6996-66401	SL-14140	B4112
#: 108	REL	E6996-66413	SL-13701	C4117
#: 1081	CHMO	E6996-86543	SI-6639	3838
#: 10811	SDRM	E6997-66404	79-4746	100
#: 1082	CHMO	E6996-86543	SI-7052	3838
#: 10821	SDRM	E6997-66404	79-4700	100
#: 1083	CHMO	E6996-86543	SI-5785	3838
#: 10831	SDRM	E6997-66404	79-333	100
#: 1084	CHMO	E6996-86543	SI-6579	3838
#: 10841	SDRM	E6997-66404	79-483	100
#: 109	CHBD	E6996-66401	SL-14471	B4112
#: 109	REL	E6996-66413	SL-14391	C4117
#: 1091	CHMO	E6996-86543	AC-27537	4025
#: 10911	SDRM	E6997-66403	SL-50093	4050
#: 1092	CHMO	E6996-86543	AC-28612	4044
#: 10921	SDRM	E6997-66403	SL-50081	4050
#: 1093	CHMO	E6996-86543	AC-27786	4025
#: 10931	SDRM	E6997-66403	SL-50077	4050
#: 1094	CHMO	E6996-86543	AC-27544	4025
#: 10941	SDRM	E6997-66403	SL-50078	4050
#: 110	CHBD	E6996-66401	SL-13677	B4112
#: 110	REL	E6996-66413	SL-14392	C4117
#: 1101	CHMO	E6996-86543	AC-3617	4024
#: 11011	SDRM	E6997-66403	SL-48814	4050
#: 1102	CHMO	E6996-86543	AC-9875	4025
#: 11021	SDRM	E6997-66403	SL-48813	4050
#: 1103	CHMO	E6996-86543	AC-7963	4024
#: 11031	SDRM	E6997-66403	SL-48817	4050
#: 1104	CHMO	E6996-86543	AC-6693	4024
#: 11041	SDRM	E6997-66403	SL-48815	4050
#: 111	CHBD	E6996-66401	SL-12928	B4112
#: 111	REL	E6996-66413	SL-14050	C4117
#: 1111	CHMO	E6996-86543	AC-9957	4025
#: 11111	SDRM	E6997-66403	SL-50012	4050
#: 1112	CHMO	E6996-86543	AC-10126	4025
#: 11121	SDRM	E6997-66403	SL-50010	4050
#: 1113	CHMO	E6996-86543	AC-10169	4025
#: 11131	SDRM	E6997-66403	SL-50009	4050
#: 1114	CHMO	E6996-86543	AC-10027	4025
#: 11141	SDRM	E6997-66403	SL-50021	4050
#: 112	CHBD	E6996-66501	SL-11292	B4031
#: 112	REL	E6996-66413	SL-10440	C4112
#: 1121	CHMO	E6996-86543	AC-25492	4025
#: 11211	SDRM	E6997-66503	SL-29851	3714
#: 1122	CHMO	E6996-86543	AC-25488	4025
#: 11221	SDRM	E6997-66503	SL-29854	3714
#: 1123	CHMO	E6996-86543	AC-11352	4025
#: 11231	SDRM	E6997-66503	SL-37867	3714
#: 1124	CHMO	E6996-86543	AC-25493	4025
#: 11241	SDRM	E6997-66503	SL-29855	3714
#: 113	CHBD	E6996-66401	SL-13719	B4112
#: 113	REL	E6996-66413	SL-14330	C4117
#: 1131	CHMO	E6996-86543	AC-7361	4024
#: 11311	SDRM	E6997-66403	SL-51279	4050
#: 1132	CHMO	E6996-86543	MM-10797	4011
#: 11321	SDRM	E6997-66403	SL-51189	4050
#: 1133	CHMO	E6996-86543	AC-2792	4024
#: 11331	SDRM	E6997-66403	SL-51172	4050
#: 1134	CHMO	E6996-86543	SI-7644	3838
#: 11341	SDRM	E6997-66403	SL-51323	4050
#: 114	CHBD	E6996-68501	SL-10711	B4031
#: 114	REL	E6996-66513	SL-10686	C4112

#: 1141	CHMO	E6996-86543	MM-9286	4011
#: 11411	SDRM	E6997-66403	SL-43938	4050
#: 1142	CHMO	E6996-86543	SI-3506	3838
#: 11421	SDRM	E6997-66403	SL-43919	4050
#: 1143	CHMO	E6996-88543	AC-24707	4025
#: 11431	SDRM	E6997-66403	SL-44112	4050
#: 1144	CHMO	E6996-86543	SI-5102	3838
#: 11441	SDRM	E6997-66403	SL-45011	4050
#: 115	CHBD	E6996-66501	SL-10714	B4031
#: 115	REL	E6996-66513	SL-10390	C4117
#: 1151	CHMO	E6996-86543	AC-16215	4025
#: 11511	SDRM	E6997-66503	SL-24239	3714
#: 1152	CHMO	E6996-86543	MM-13619	4011
#: 11521	SDRM	E6997-66503	SL-24246	3714
#: 1153	CHMO	E6996-86543	MM-13618	4011
#: 11531	SDRM	E6997-66503	SL-14321	3714
#: 1154	CHMO	E6996-86543	AC-14286	4025
#: 11541	SDRM	E6997-66503	SL-18848	3714
#: 116	CHBD	E6996-66401	SL-14332	B4112
#: 116	REL	E6996-66413	SL-13745	C4117
#: 1161	CHMO	E6996-86543	AC-28380	4044
#: 11611	SDRM	E6997-66403	SL-50056	4050
#: 1162	CHMO	E6996-86543	AC-8473	4024
#: 11621	SDRM	E6997-66403	SL-50053	4050
#: 1163	CHMO	E6996-86543	AC-11508	4025
#: 11631	SDRM	E6997-66403	SL-50059	4050
#: 1164	CHMO	E6996-86543	AC-5027	4024
#: 11641	SDRM	E6997-66403	SL-50068	4050
#: 117	CHBD	E6996-66401	SL-13802	B4112
#: 117	REL	E6996-66413	SL-14320	C4117
#: 1171	CHMO	E6996-86543	AC-17017	4025
#: 11711	SDRM	E6997-66404	79-483	100
#: 1172	CHMO	E6996-86543	SI-6264	3838
#: 11721	SDRM	E6997-66404	79-333	100
#: 1173	CHMO	E6996-86543	SI-6298	3838
#: 11731	SDRM	E6997-66404	79-4746	100
#: 1174	CHMO	E6996-86543	SI-1699	3838
#: 11741	SDRM	E6997-66404	79-4700	100
#: 118	CHBD	E6996-66401	SL-15247	B4112
#: 118	REL	E6996-66413	SL-13725	C4117
#: 1181	CHMO	E6996-86543	AC-3718	4024
#: 11811	SDRM	E6997-66404	79-483	100
#: 1182	CHMO	E6996-86543	AC-11816	4025
#: 11821	SDRM	E6997-66404	79-4700	100
#: 1183	CHMO	E6996-86543	AC-6215	4024
#: 11831	SDRM	E6997-66404	79-4746	100
#: 1184	CHMO	E6996-86543	AC-3779	4024
#: 11841	SDRM	E6997-66404	79-333	100
#: 119	CHBD	E6996-66501	SL-13880	B4031
#: 119	REL	E6996-66413	SL-14442	C4117
#: 1191	CHMO	E6996-86543	AC-7635	4024
#: 11911	SDRM	E6997-66404	79-333	100
#: 1192	CHMO	E6996-86543	AC-21894	4025
#: 11921	SDRM	E6997-66404	79-483	100
#: 1193	CHMO	E6996-86543	AC-2847	4024
#: 11931	SDRM	E6997-66404	79-4700	100
#: 1194	CHMO	E6996-86543	AC-7547	4024
#: 11941	SDRM	E6997-66404	79-4746	100
#: 120	CHBD	E6996-66401	SL-13714	B4112
#: 120	REL	E6996-66413	SL-14128	C4117
#: 1201	CHMO	E6996-86543	AC-9855	4024
#: 12011	SDRM	E6997-66404	79-333	100
#: 1202	CHMO	E6996-86543	AC-2699	4024
#: 12021	SDRM	E6997-66404	79-4700	100
#: 1203	CHMO	E6996-86543	AC-5261	4024
#: 12031	SDRM	E6997-66404	79-333	100
#: 1204	CHMO	E6996-86543	AC-1350	4024
#: 12041	SDRM	E6997-66404	79-483	100
#: 121	CHBD	E6996-66401	SL-13573	B4112
#: 121	REL	E6996-66413	SL-13660	C4117

#: 1211	CHMO	E6996-86543	MB-964	4011
#: 12111	SDRM	E6997-66404	79-483	100
#: 1212	CHMO	E6996-86543	MM-11443	4011
#: 12121	SDRM	E6997-66404	79-4700	100
#: 1213	CHMO	E6996-86543	SI-3797	3838
#: 12131	SDRM	E6997-66404	79-4746	100
#: 1214	CHMO	E6996-86543	SI-4457	3838
#: 12141	SDRM	E6997-66404	79-333	100
#: 122	CHBD	E6996-66401	SL-13852	B4112
#: 122	REL	E6996-66413	SL-14143	C4117
#: 1221	CHMO	E6996-86543	AC-1035	4024
#: 12211	SDRM	E6997-66404	79-4746	100
#: 1222	CHMO	E6996-86543	AC-1772	4024
#: 12221	SDRM	E6997-66404	79-483	100
#: 1223	CHMO	E6996-86543	AC-27659	4025
#: 12231	SDRM	E6997-66404	79-333	100
#: 1224	CHMO	E6996-86543	AC-21901	4025
#: 12241	SDRM	E6997-66404	79-4700	100
#: 123	CHBD	E6996-66401	SL-14483	B4112
#: 123	REL	E6996-66413	SL-13679	C4117
#: 1231	CHMO	E6996-86543	AC-3789	4024
#: 12311	SDRM	E6997-66404	79-4746	100
#: 1232	CHMO	E6996-86543	AC-11992	4025
#: 12321	SDRM	E6997-66404	79-333	100
#: 1233	CHMO	E6996-86543	AC-3776	4024
#: 12331	SDRM	E6997-66404	79-483	100
#: 1234	CHMO	E6996-86543	AC-14559	4025
#: 12341	SDRM	E6997-66404	79-4700	100
#: 124	CHBD	E6996-66401	SL-12892	B4112
#: 124	REL	E6996-66413	SL-14106	C4117
#: 1241	CHMO	E6996-86543	AC-1551	4024
#: 12411	SDRM	E6997-66404	79-483	100
#: 1242	CHMO	E6996-86543	AC-23410	4025
#: 12421	SDRM	E6997-66404	79-4700	100
#: 1243	CHMO	E6996-86543	AC-12085	4025
#: 12431	SDRM	E6997-66404	79-4746	100
#: 1244	CHMO	E6996-86543	AC-16007	4025
#: 12441	SDRM	E6997-66404	79-333	100
#: 1	PDPS	E7002-66411	SL-2854	C4203
#: 11	PDCH	E7002-66412	SL-8475	C4150
#: 12	PDCH	E7002-66412	SL-8473	C4150
#: 13	PDCH	E7002-66412	SL-8425	C4150
#: 14	PDCH	E7002-66412	SL-8366	C4150
#: 2	PDPS	E7002-66411	SL-2127	C4050
#: 21	PDCH	E7002-66412	SL-8378	C4150
#: 22	PDCH	E7002-66412	SL-8446	C4150
#: 23	PDCH	E7002-66412	SL-8293	C4150
#: 24	PDCH	E7002-66412	SL-8450	C4150
#: 3	PDPS	E7002-66411	SL-4936	C4203
#: 31	PDCH	E7002-66412	SL-6373	C3936
#: 32	PDCH	E7002-66412	SL-5178	C3936
#: 33	PDCH	E7002-66412	SL-2970	C3936
#: 34	PDCH	E7002-66412	SL-5489	C3936
#: 4	PDPS	E7002-68591	SL-1198	C4050
#: 41	PDCH	E7002-66412	SL-6166	C3936
#: 42	PDCH	E7002-66412	SL-2867	C3936
#: 43	PDCH	E7002-66412	SL-2092	C3936
#: 44	PDCH	E7002-66412	SL-2843	C3936
#: 227	WDA	E9684-61051	AT-270	A4121
#: 228	WDB	E9686-61051	AT-301	B4115
#: 232	WGA	E9685-61051	AT-173	A4036

RS232 Device: /dev/usb/ttyUSB0

Di_RS232_init: open devicefile failed errno=19

Check Permission for Path and Devicefile /dev/usb/ttyUSB0

Low level diagnostic tests disabled because of RS232 initialization errors above

If you are using an USB->RS232 converter please check if device is plugged in correctly

PDIAG Di_interprete Sat Aug 8 11:50:04 2015

command=C

PDIAG Di_interprete Sat Aug 8 11:50:40 2015
command=L /var/opt/hp93000/soc/diagnostic/di_conf
Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 11:50:40 2015
command=T

* testing channels 11701 to 12416
* testing ctrl bd. 11
* testing ctrl bd. 21
* testing ctrl bd. 31
* testing ctrl bd. 41
* testing clk bd. 11
* testing clk bd. 12
* testing clk bd. 21
* testing clk bd. 22
* testing clk bd. 31
* testing clk bd. 32
* testing clk bd. 41
* testing clk bd. 42
* testing dps bd. 1
* testing dps bd. 2
* testing dps bd. 3
* testing dps bd. 4
* testing WDA bd. 227
* testing WDB bd. 228
* testing WGA bd. 232

Diagnostic Run 1 executed at: Sat Aug 8 11:51:04 2015

Installed DUT Board "No DUT-Board"!

T 4 (PLT):clock generation test	(100.00ns)
PASSED	
T 5 (PLT):sys-pmu 1 test	(100.00ns)
PASSED	
T 6 (DIG):board voltage test	(100.00ns)
PASSED	
T 7 (DIG):single-select test	(100.00ns)
PASSED	
T 8 (DIG):common-select test	(100.00ns)
PASSED	
T 9 (DIG):vector edit test	(100.00ns)
PASSED	
T 10 (DIG):SRAM-memory test	(100.00ns)
PASSED	
T 11 (DIG):ERMP-memory test	(100.00ns)
PASSED	
T 12 (DIG):OVEM-memory test	(100.00ns)
PASSED	
T 13 (DIG):SDRAM-memory test	(100.00ns)
PASSED	
T 14 (DIG):set-register test	(100.00ns)
PASSED	
T 15 (DIG):start/stop-sequencer test	(100.00ns)
PASSED	
T 16 (PLT):clock ring test	(100.00ns)
PASSED	
T 17 (PLT):mclk phase test	(100.00ns)
PASSED	
T 18 (PLT):external start test	(100.00ns)
PASSED	
T 19 (DIG):continuity & badc test	(100.00ns)
PASSED	
T 20 (DIG):chip output test	(100.00ns)
PASSED	
T 21 (DIG):pass/fail test	(100.00ns)
PASSED	
T 22 (DIG):sdram addr test	(100.00ns)
PASSED	

```

T 23 (DIG):pin pmu source/sink test (100.00ns)
PASSED
T 24 (DIG):driver tristate test (100.00ns)
PASSED
T 25 (DIG):relay test (100.00ns)
PASSED
T 26 (DIG):driver-level test (100.00ns)
PASSED
T 27 (DIG):pin pmu pass/fail test (100.00ns)
PASSED
T 28 (DIG):active-load test (100.00ns)
PASSED
T 29 (DIG):channel clamp(s) test (100.00ns)
PASSED
T 30 (DIG):waveform table test (100.00ns)
PASSED
T 36 (DIG):error-map test (100.00ns)
PASSED
T 31 (DIG):device cycle test (100.00ns)
PASSED
T 32 (DIG):driver-edge test (100.00ns)
PASSED
T 33 (DIG):receiver-level test (100.00ns)
PASSED
T 34 (DIG):comparator test (100.00ns)
PASSED
T 35 (DIG):receiver-edge test (100.00ns)
PASSED
T 37 (DIG):overview-error-map test (100.00ns)
PASSED
T 38 (DIG):match loop test (100.00ns)
PASSED
T 39 (DIG):break-waveform test (100.00ns)
PASSED
T 40 (DIG):valid-cycle test (100.00ns)
PASSED
T 41 (DIG):shifter test (100.00ns)
PASSED
T 42 (DIG):dqueue test (100.00ns)
PASSED
T 43 (DIG):mask test (100.00ns)
PASSED
T 44 (DIG):stop-on-analyzer-delay test (100.00ns)
PASSED
T 45 (DIG):stop-on-error test (100.00ns)
PASSED
T 46 (DIG):fifo test (100.00ns)
PASSED
T 48 (PLT):compressor test (100.00ns)
WARNING: no channel found for compressor test small in TH=1 cseg=2
WARNING: no channel found for compressor test small in TH=1 cseg=3
WARNING: no channel found for compressor test small in TH=1 cseg=4
WARNING: no channel found for large compressor test in TH=1 cseg=2
WARNING: no channel found for large compressor test in TH=1 cseg=3
WARNING: no channel found for large compressor test in TH=1 cseg=4
PASSED
T 50 (ADD):device power supply test (100.00ns)
PASSED
T 52 (DIG):digital capture test (100.00ns)
PASSED
T 54 (PLT):Computer Intf. Card test (100.00ns)
PASSED
T 55 (PLT):Control Board test (100.00ns)

WARNING: no channel found for backplane burst test in TH=1 cseg=2
WARNING: no channel found for backplane burst test in TH=1 cseg=3
WARNING: no channel found for backplane burst test in TH=1 cseg=4
PASSED

```

T 78 (PLT):special ring test (100.00ns)
 This test ignores the current clock board selection!
 (Reason: testing of the signal distribution via wiring board)

10MHz ring test:
 All clock boards with date code 4008 and younger will be tested
 and the others will be ignored!

MCLK_ON ring test:
 If the passive Control board has a date code older than 4013
 then the clock board in this cardcage can not be tested
 and will be ignored!

Only clock boards in cardcages with active control boards can
 be used as 'sender' clock boards (all can be used as 'receiver'
 clock boards)!

Testing date code of all clock boards:

```
Ctrl 11: 4135 -> OK
Clk 11: 4114 -> OK
Ctrl 12: 4122 -> OK
Clk 12: 4114 -> OK
Ctrl 21: 4135 -> OK
Clk 21: 4114 -> OK
Ctrl 22: 4122 -> OK
Clk 22: 4114 -> OK
Ctrl 31: 102 -> OK
Clk 31: 4114 -> OK
Ctrl 32: 4122 -> OK
Clk 32: 4114 -> OK
Ctrl 41: 4135 -> OK
Clk 41: 4047 -> OK
Ctrl 42: 4122 -> OK
Clk 42: 4114 -> OK
```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P		P		P		P	
	Clk12	P		P		P		P	
	Clk21	P		P		P		P	
	Clk22	P		P		P		P	
	Clk31	P		P		P		P	
	Clk32	P		P		P		P	
	Clk41	P		P		P		P	
	Clk42	P		P		P		P	

PASSED

Times [sec]: Total:1805.5 Precal:0.0 Tests:317.3 FW:1488.2

Diagnostic finished

Diagnostic finished at: Sat Aug 8 12:21:03 2015

Overall diagnostic result: PASSED

Test Summary (Failed/Executed):

T 4 clock generation test	(0/1)
T 5 sys-pmu 1 test	(0/1)
T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)
T 13 SDRAM-memory test	(0/1)
T 14 set-register test	(0/1)
T 15 start/stop-sequencer test	(0/1)
T 16 clock ring test	(0/1)
T 17 mclk phase test	(0/1)
T 18 external start test	(0/1)
T 19 continuity & badc test	(0/1)
T 20 chip output test	(0/1)
T 21 pass/fail test	(0/1)
T 22 sdram addr test	(0/1)
T 23 pin pmu source/sink test	(0/1)
T 24 driver tristate test	(0/1)
T 25 relay test	(0/1)
T 26 driver-level test	(0/1)
T 27 pin pmu pass/fail test	(0/1)
T 28 active-load test	(0/1)
T 29 channel clamp(s) test	(0/1)
T 30 waveform table test	(0/1)
T 36 error-map test	(0/1)
T 31 device cycle test	(0/1)
T 32 driver-edge test	(0/1)
T 33 receiver-level test	(0/1)
T 34 comparator test	(0/1)
T 35 receiver-edge test	(0/1)
T 37 overview-error-map test	(0/1)
T 38 match loop test	(0/1)
T 39 break-waveform test	(0/1)
T 40 valid-cycle test	(0/1)
T 41 shifter test	(0/1)
T 42 dqueue test	(0/1)
T 43 mask test	(0/1)
T 44 stop-on-analyzer-delay test	(0/1)
T 45 stop-on-error test	(0/1)
T 46 fifo test	(0/1)
T 48 compressor test	(0/1)
T 50 device power supply test	(0/1)
T 52 digital capture test	(0/1)
T 54 Computer Intf. Card test	(0/1)
T 55 Control Board test	(0/1)
T 78 special ring test	(0/1)

PDIAG Di_interprete Sat Aug 8 12:25:25 2015
command=Q #

PDIAG exit at: Sat Aug 8 12:26:06 2015

di_log_file_2015.08.08

```
*** Diagnostics running on localhost.localdomain ***
```

PDIAG started at: Sat Aug 8 15:44:32 2015

DI: device period: 250

Firmware Revision: *IDN Firmware s/w rev. 6.1.2, 11-Sep-07

[illegible]

#& Resource	LIST Type	Assembly	S/N	Revision	FPGA	Rev
#: 1	SYST	n/a	qT7ovQcNzTssZFj6xxeVGw	n/a	n/a	
#: 1	CCG	n/a	lOsR2giecY6iHqs70la7Ww	n/a	n/a	
#: 2	CCG	n/a	DPp3NeOjfx728lFa5EGDKM	n/a	n/a	
#: 3	CCG	n/a	bs9DcRPreH1aUvNnWB7yVM	n/a	n/a	
#: 4	CCG	n/a	z5y_DC_DXDFJ41COGx3Qw	n/a	n/a	
#: 5	CCG	n/a	pEPA5IUaqNNK16aEl0o7_M	n/a	n/a	
#: 6	CCG	n/a	er9caiy32VAQMrkZVQ9s6M	n/a	n/a	
#: 7	CCG	n/a	_SbfomfqdX8DoLkyhXIVRw	n/a	n/a	
#: 8	CCG	n/a	vH2tbeULxpVkke5lHYoMJw	n/a	n/a	
#: 1	CICD	E6978-66442	JP-13647		101	
#: 11	CTRL	E6978-66424	SL-2749		4135	
#: 12	CTRL	E6978-66472	SL-2281		4122	
#: 11	CLK	E6978-66415	SL-5941		4114	
#: 12	CLK	E6978-66515	SL-4806		4114	
#: 21	CTRL	E6978-66424	SL-6103		4135	
#: 22	CTRL	E6978-66472	SL-2274		4122	
#: 21	CLK	E6978-66515	SL-4370		4114	
#: 22	CLK	E6978-66515	SL-4253		4114	
#: 31	CTRL	E6978-68527	79-13175		102	
#: 32	CTRL	E6978-66472	SL-2300		4122	
#: 31	CLK	E6978-66415	SL-5954		4114	
#: 32	CLK	E6978-66415	SL-5845		4114	
#: 41	CTRL	E6978-66424	SL-2570		4135	
#: 42	CTRL	E6978-66472	SL-2304		4122	
#: 41	CLK	E6978-66515	SL-2595	A4047		
#: 42	CLK	E6978-66415	SL-5899		4114	
#: 101	CHBD	E6996-66501	SL-10818		B4031	
#: 101	REL	E6996-66413	SL-11328		C4112	
#: 1011	CHMO	E6996-86543	SI-6280		3838	
#: 10111	SDRM	E6997-66503	SL-30420		3714	
#: 10112	SDRM	E6997-66503	SL-30419		3714	
#: 1012	CHMO	E6996-86543	AC-26001		4025	
#: 10121	SDRM	E6997-66503	SL-30602		3714	
#: 10122	SDRM	E6997-66503	SL-30599		3714	
#: 1013	CHMO	E6996-86543	MB-2127		4011	
#: 10131	SDRM	E6997-66503	SL-30415		3714	
#: 10132	SDRM	E6997-66503	SL-30416		3714	
#: 1014	CHMO	E6996-86543	SI-8579		3838	
#: 10141	SDRM	E6997-66503	SL-30603		3714	
#: 10142	SDRM	E6997-66503	SL-30600		3714	
#: 102	CHBD	E6996-66401	SL-13738		B4112	
#: 102	REL	E6996-66413	SL-14403		C4117	
#: 1021	CHMO	E6996-86543	AC-6235		4024	
#: 10211	SDRM	E6997-66404	79-333		100	
#: 1022	CHMO	E6996-86543	MB-513		4011	
#: 10221	SDRM	E6997-66404	79-4700		100	
#: 1023	CHMO	E6996-86543	AC-6723		4024	
#: 10231	SDRM	E6997-66404	79-4746		100	
#: 1024	CHMO	E6996-86543	MB-2118		4011	
#: 10241	SDRM	E6997-66404	79-483		100	
#: 103	CHBD	E6996-66401	SL-14331		B4112	
#: 103	REL	E6996-66413	SL-13733		C4117	
#: 1031	CHMO	E6996-86543	AC-6028		4024	
#: 10311	SDRM	E6997-66404	79-4700		100	
#: 1032	CHMO	E6996-88543	MB-819		H4011	
#: 10321	SDRM	E6997-66404	79-483		100	
#: 1033	CHMO	E6996-86543	AC-9664		4024	
#: 10331	SDRM	E6997-66404	79-333		100	
#: 1034	CHMO	E6996-86543	AC-8452		4024	
#: 10341	SDRM	E6997-66404	79-4746		100	
#: 104	CHBD	E6996-66401	SL-10646		B4112	
#: 104	REL	E6996-66413	SL-10539		C4112	
#: 1041	CHMO	E6996-86543	SI-6514		3838	
#: 10411	SDRM	E6997-66404	79-483		100	
#: 1042	CHMO	E6996-86543	AC-27661		4025	
#: 10421	SDRM	E6997-66404	79-4700		100	
#: 1043	CHMO	E6996-86543	AC-27788		4025	
#: 10431	SDRM	E6997-66404	79-4746		100	

#: 1044	CHMO	E6996-86543	SI-8474	3838
#: 10441	SDRM	E6997-66404	79-333	100
#: 105	CHBD	E6996-66401	SL-13676	B4112
#: 105	REL	E6996-66413	SL-14335	C4117
#: 1051	CHMO	E6996-86543	AC-2849	4024
#: 10511	SDRM	E6997-66404	79-4746	100
#: 1052	CHMO	E6996-86543	AC-815	4024
#: 10521	SDRM	E6997-66404	79-4700	100
#: 1053	CHMO	E6996-86543	AC-1122	4024
#: 10531	SDRM	E6997-66404	79-483	100
#: 1054	CHMO	E6996-86543	AC-2111	4024
#: 10541	SDRM	E6997-66404	79-4746	100
#: 106	CHBD	E6996-66401	SL-14110	B4112
#: 106	REL	E6996-66413	SL-13189	C4117
#: 1061	CHMO	E6996-88543	SI-3064	F3838
#: 10611	SDRM	E6997-66404	79-4700	100
#: 1062	CHMO	E6996-86543	MM-22025	4107
#: 10621	SDRM	E6997-66404	79-483	100
#: 1063	CHMO	E6996-86543	MM-22027	4107
#: 10631	SDRM	E6997-66404	79-333	100
#: 1064	CHMO	E6996-86543	MM-21733	4107
#: 10641	SDRM	E6997-66404	79-4746	100
#: 107	CHBD	E6996-66401	SL-15253	B4112
#: 107	REL	E6996-66413	SL-13695	C4117
#: 1071	CHMO	E6996-86543	AC-4502	4024
#: 10711	SDRM	E6997-66404	79-483	100
#: 1072	CHMO	E6996-86543	AC-5049	4024
#: 10721	SDRM	E6997-66404	79-4700	100
#: 1073	CHMO	E6996-86543	AC-5958	4024
#: 10731	SDRM	E6997-66404	79-4746	100
#: 1074	CHMO	E6996-86543	AC-13909	4025
#: 10741	SDRM	E6997-66404	79-333	100
#: 108	CHBD	E6996-66401	SL-14140	B4112
#: 108	REL	E6996-66413	SL-13701	C4117
#: 1081	CHMO	E6996-86543	SI-6639	3838
#: 10811	SDRM	E6997-66404	79-4746	100
#: 1082	CHMO	E6996-86543	SI-7052	3838
#: 10821	SDRM	E6997-66404	79-4700	100
#: 1083	CHMO	E6996-86543	SI-5785	3838
#: 10831	SDRM	E6997-66404	79-333	100
#: 1084	CHMO	E6996-86543	SI-6579	3838
#: 10841	SDRM	E6997-66404	79-483	100
#: 109	CHBD	E6996-66401	SL-13718	B4112
#: 109	REL	E6996-66413	SL-14075	C4117
#: 1091	CHMO	E6996-86543	MM-19055	4107
#: 10911	SDRM	E6997-66404	79-4746	100
#: 1092	CHMO	E6996-86543	SI-8919	3838
#: 10921	SDRM	E6997-66404	79-333	100
#: 1093	CHMO	E6996-86543	SI-6721	3838
#: 10931	SDRM	E6997-66404	79-483	100
#: 1094	CHMO	E6996-86543	MB-2682	4011
#: 10941	SDRM	E6997-66404	79-4700	100
#: 110	CHBD	E6996-66501	SL-6631	B4031
#: 110	REL	E6996-68583	SL-10983	B4117
#: 1101	CHMO	E6996-86543	AC-28713	4044
#: 11011	SDRM	E6997-66404	79-4700	100
#: 1102	CHMO	E6996-86543	MM-12639	4011
#: 11021	SDRM	E6997-66404	79-483	100
#: 1103	CHMO	E6996-88543	AC-14021	4025
#: 11031	SDRM	E6997-66404	79-333	100
#: 1104	CHMO	E6996-86543	AC-28908	4044
#: 11041	SDRM	E6997-66404	79-4746	100
#: 111	CHBD	E6996-66401	SL-13778	B4112
#: 111	REL	E6996-66413	SL-14832	C4117
#: 1111	CHMO	E6996-86543	MB-2692	4011
#: 11111	SDRM	E6997-66404	79-4746	100
#: 1112	CHMO	E6996-88543	AC-3998	M4024
#: 11121	SDRM	E6997-66404	79-333	100
#: 1113	CHMO	E6996-86543	MM-10490	4011
#: 11131	SDRM	E6997-66404	79-483	100

#: 1114	CHMO	E6996-86543	MM-13735	4011
#: 11141	SDRM	E6997-66404	79-4700	100
#: 112	CHBD	E6996-66401	SL-14446	B4112
#: 112	REL	E6996-66413	SL-14409	C4117
#: 1121	CHMO	E6996-86543	AC-7936	4024
#: 11211	SDRM	E6997-66404	79-4746	100
#: 1122	CHMO	E6996-86543	AC-8903	4024
#: 11221	SDRM	E6997-66404	79-333	100
#: 1123	CHMO	E6996-86543	AC-8444	4024
#: 11231	SDRM	E6997-66404	79-483	100
#: 1124	CHMO	E6996-86543	AC-8092	4024
#: 11241	SDRM	E6997-66404	79-4700	100
#: 113	CHBD	E6996-66401	SL-12841	B4112
#: 113	REL	E6996-66413	SL-14090	C4117
#: 1131	CHMO	E6996-86543	SI-4819	3838
#: 11311	SDRM	E6997-66404	79-333	100
#: 1132	CHMO	E6996-86543	AC-4673	4024
#: 11321	SDRM	E6997-66404	79-4746	100
#: 1133	CHMO	E6996-86543	AC-8071	4024
#: 11331	SDRM	E6997-66404	79-4700	100
#: 1134	CHMO	E6996-86543	AC-21621	4025
#: 11341	SDRM	E6997-66404	79-483	100
#: 114	CHBD	E6996-68501	SL-10711	B4031
#: 114	REL	E6996-66513	SL-10686	C4112
#: 1141	CHMO	E6996-86543	MM-9286	4011
#: 11411	SDRM	E6997-66404	79-4700	100
#: 1142	CHMO	E6996-86543	SI-3506	3838
#: 11421	SDRM	E6997-66404	79-483	100
#: 1143	CHMO	E6996-88543	AC-24707	4025
#: 11431	SDRM	E6997-66404	79-333	100
#: 1144	CHMO	E6996-86543	SI-5102	3838
#: 11441	SDRM	E6997-66404	79-4746	100
#: 115	CHBD	E6996-66501	SL-10714	B4031
#: 115	REL	E6996-66513	SL-10390	C4117
#: 1151	CHMO	E6996-86543	AC-16215	4025
#: 11511	SDRM	E6997-66404	79-4700	100
#: 1152	CHMO	E6996-86543	MM-13619	4011
#: 11521	SDRM	E6997-66404	79-483	100
#: 1153	CHMO	E6996-86543	MM-13618	4011
#: 11531	SDRM	E6997-66404	79-333	100
#: 1154	CHMO	E6996-86543	AC-14286	4025
#: 11541	SDRM	E6997-66404	79-4746	100
#: 116	CHBD	E6996-66401	SL-14332	B4112
#: 116	REL	E6996-66413	SL-13745	C4117
#: 1161	CHMO	E6996-86543	AC-28380	4044
#: 11611	SDRM	E6997-66404	79-483	100
#: 1162	CHMO	E6996-86543	AC-8473	4024
#: 11621	SDRM	E6997-66404	79-4700	100
#: 1163	CHMO	E6996-86543	AC-11508	4025
#: 11631	SDRM	E6997-66404	79-4746	100
#: 1164	CHMO	E6996-86543	AC-5027	4024
#: 11641	SDRM	E6997-66404	79-333	100
#: 117	CHBD	E6996-66401	SL-13802	B4112
#: 117	REL	E6996-66413	SL-14320	C4117
#: 1171	CHMO	E6996-86543	AC-17017	4025
#: 11711	SDRM	E6997-66404	79-483	100
#: 1172	CHMO	E6996-86543	SI-6264	3838
#: 11721	SDRM	E6997-66404	79-333	100
#: 1173	CHMO	E6996-86543	SI-6298	3838
#: 11731	SDRM	E6997-66404	79-4746	100
#: 1174	CHMO	E6996-86543	SI-1699	3838
#: 11741	SDRM	E6997-66404	79-4700	100
#: 118	CHBD	E6996-66401	SL-15247	B4112
#: 118	REL	E6996-66413	SL-13725	C4117
#: 1181	CHMO	E6996-86543	AC-3718	4024
#: 11811	SDRM	E6997-66404	79-483	100
#: 1182	CHMO	E6996-86543	AC-11816	4025
#: 11821	SDRM	E6997-66404	79-4700	100
#: 1183	CHMO	E6996-86543	AC-6215	4024
#: 11831	SDRM	E6997-66404	79-4746	100

#: 1184	CHMO	E6996-86543	AC-3779	4024
#: 11841	SDRM	E6997-66404	79-333	100
#: 119	CHBD	E6996-66501	SL-13880	B4031
#: 119	REL	E6996-66413	SL-14442	C4117
#: 1191	CHMO	E6996-86543	AC-7635	4024
#: 11911	SDRM	E6997-66404	79-333	100
#: 1192	CHMO	E6996-86543	AC-21894	4025
#: 11921	SDRM	E6997-66404	79-483	100
#: 1193	CHMO	E6996-86543	AC-2847	4024
#: 11931	SDRM	E6997-66404	79-4700	100
#: 1194	CHMO	E6996-86543	AC-7547	4024
#: 11941	SDRM	E6997-66404	79-4746	100
#: 120	CHBD	E6996-66401	SL-13714	B4112
#: 120	REL	E6996-66413	SL-14128	C4117
#: 1201	CHMO	E6996-86543	AC-9855	4024
#: 12011	SDRM	E6997-66404	79-333	100
#: 1202	CHMO	E6996-86543	AC-2699	4024
#: 12021	SDRM	E6997-66404	79-4700	100
#: 1203	CHMO	E6996-86543	AC-5261	4024
#: 12031	SDRM	E6997-66404	79-333	100
#: 1204	CHMO	E6996-86543	AC-1350	4024
#: 12041	SDRM	E6997-66404	79-483	100
#: 121	CHBD	E6996-66401	SL-13573	B4112
#: 121	REL	E6996-66413	SL-13660	C4117
#: 1211	CHMO	E6996-86543	MB-964	4011
#: 12111	SDRM	E6997-66404	79-483	100
#: 1212	CHMO	E6996-86543	MM-11443	4011
#: 12121	SDRM	E6997-66404	79-4700	100
#: 1213	CHMO	E6996-86543	SI-3797	3838
#: 12131	SDRM	E6997-66404	79-4746	100
#: 1214	CHMO	E6996-86543	SI-4457	3838
#: 12141	SDRM	E6997-66404	79-333	100
#: 122	CHBD	E6996-66401	SL-13852	B4112
#: 122	REL	E6996-66413	SL-14143	C4117
#: 1221	CHMO	E6996-86543	AC-1035	4024
#: 12211	SDRM	E6997-66404	79-4746	100
#: 1222	CHMO	E6996-86543	AC-1772	4024
#: 12221	SDRM	E6997-66404	79-483	100
#: 1223	CHMO	E6996-86543	AC-27659	4025
#: 12231	SDRM	E6997-66404	79-333	100
#: 1224	CHMO	E6996-86543	AC-21901	4025
#: 12241	SDRM	E6997-66404	79-4700	100
#: 123	CHBD	E6996-66401	SL-14483	B4112
#: 123	REL	E6996-66413	SL-13679	C4117
#: 1231	CHMO	E6996-86543	AC-3789	4024
#: 12311	SDRM	E6997-66404	79-4746	100
#: 1232	CHMO	E6996-86543	AC-11992	4025
#: 12321	SDRM	E6997-66404	79-333	100
#: 1233	CHMO	E6996-86543	AC-3776	4024
#: 12331	SDRM	E6997-66404	79-483	100
#: 1234	CHMO	E6996-86543	AC-14559	4025
#: 12341	SDRM	E6997-66404	79-4700	100
#: 124	CHBD	E6996-66401	SL-12892	B4112
#: 124	REL	E6996-66413	SL-14106	C4117
#: 1241	CHMO	E6996-86543	AC-1551	4024
#: 12411	SDRM	E6997-66404	79-483	100
#: 1242	CHMO	E6996-86543	AC-23410	4025
#: 12421	SDRM	E6997-66404	79-4700	100
#: 1243	CHMO	E6996-86543	AC-12085	4025
#: 12431	SDRM	E6997-66404	79-4746	100
#: 1244	CHMO	E6996-86543	AC-16007	4025
#: 12441	SDRM	E6997-66404	79-333	100
#: 125	CHBD	E6996-66401	SL-13677	B4112
#: 125	REL	E6996-66413	SL-14392	C4117
#: 1251	CHMO	E6996-86543	AC-3617	4024
#: 12511	SDRM	E6997-66404	79-4700	100
#: 1252	CHMO	E6996-86543	AC-9875	4025
#: 12521	SDRM	E6997-66404	79-483	100
#: 1253	CHMO	E6996-86543	AC-7963	4024
#: 12531	SDRM	E6997-66404	79-333	100

#: 1254	CHMO	E6996-86543	AC-6693	4024
#: 12541	SDRM	E6997-66404	79-4746	100
#: 126	CHBD	E6996-66501	SL-11292	B4031
#: 126	REL	E6996-66413	SL-10440	C4112
#: 1261	CHMO	E6996-86543	AC-25492	4025
#: 12611	SDRM	E6997-66404	79-483	100
#: 1262	CHMO	E6996-86543	AC-25488	4025
#: 12621	SDRM	E6997-66404	79-4700	100
#: 1263	CHMO	E6996-86543	AC-11352	4025
#: 12631	SDRM	E6997-66404	79-4746	100
#: 1264	CHMO	E6996-86543	AC-25493	4025
#: 12641	SDRM	E6997-66404	79-333	100
#: 127	CHBD	E6996-66401	SL-13719	B4112
#: 127	REL	E6996-66413	SL-14330	C4117
#: 1271	CHMO	E6996-86543	AC-7361	4024
#: 12711	SDRM	E6997-66404	79-4746	100
#: 1272	CHMO	E6996-86543	MM-10797	4011
#: 12721	SDRM	E6997-66404	79-4700	100
#: 1273	CHMO	E6996-86543	AC-2792	4024
#: 12731	SDRM	E6997-66404	79-483	100
#: 1274	CHMO	E6996-86543	SI-7644	3838
#: 12741	SDRM	E6997-66404	79-333	100
#: 128	CHBD	E6996-66401	SL-13664	B4112
#: 128	REL	E6996-66413	SL-14448	C4117
#: 1281	CHMO	E6996-86543	SI-2685	3838
#: 12811	SDRM	E6997-66404	79-333	100
#: 1282	CHMO	E6996-86543	SI-9078	3838
#: 12821	SDRM	E6997-66404	79-483	100
#: 1283	CHMO	E6996-86543	SI-1883	3838
#: 12831	SDRM	E6997-66404	79-4700	100
#: 1284	CHMO	E6996-86543	SI-3485	3838
#: 12841	SDRM	E6997-66404	79-4746	100
#: 129	CHBD	E6996-66401	SL-15256	B4112
#: 129	REL	E6996-66413	SL-14208	C4117
#: 1291	CHMO	E6996-86543	AC-27750	4025
#: 12911	SDRM	E6997-66404	79-333	100
#: 1292	CHMO	E6996-86543	AC-27751	4025
#: 12921	SDRM	E6997-66404	79-4746	100
#: 1293	CHMO	E6996-86543	AC-27744	4025
#: 12931	SDRM	E6997-66404	79-4700	100
#: 1294	CHMO	E6996-86543	AC-10175	4025
#: 12941	SDRM	E6997-66404	79-483	100
#: 130	CHBD	E6996-66401	SL-12928	B4112
#: 130	REL	E6996-66413	SL-14050	C4117
#: 1301	CHMO	E6996-86543	AC-9957	4025
#: 13011	SDRM	E6997-66404	79-4746	100
#: 1302	CHMO	E6996-86543	AC-10126	4025
#: 13021	SDRM	E6997-66404	79-4700	100
#: 1303	CHMO	E6996-86543	AC-10169	4025
#: 13031	SDRM	E6997-66404	79-483	100
#: 1304	CHMO	E6996-86543	AC-10027	4025
#: 13041	SDRM	E6997-66404	79-333	100
#: 131	CHBD	E6996-66401	SL-14471	B4112
#: 131	REL	E6996-66413	SL-14391	C4117
#: 1311	CHMO	E6996-86543	AC-27537	4025
#: 13111	SDRM	E6997-66404	79-4700	100
#: 1312	CHMO	E6996-86543	AC-28612	4044
#: 13121	SDRM	E6997-66404	79-483	100
#: 1313	CHMO	E6996-86543	AC-27786	4025
#: 13131	SDRM	E6997-66404	79-333	100
#: 1314	CHMO	E6996-86543	AC-27544	4025
#: 13141	SDRM	E6997-66404	79-4746	100
#: 132	CHBD	E6996-66401	SL-12888	B4112
#: 132	REL	E6996-66413	SL-11144	C4112
#: 1321	CHMO	E6996-86543	SI-5218	3838
#: 13211	SDRM	E6997-66404	79-4746	100
#: 1322	CHMO	E6996-86543	SI-1835	3838
#: 13221	SDRM	E6997-66404	79-333	100
#: 1323	CHMO	E6996-88543	AC-15522	N4025
#: 13231	SDRM	E6997-66404	79-4700	100

#: 1324	CHMO	E6996-86543	AC-12164	4025
#: 13241	SDRM	E6997-66404	79-483	100
#: 1	PDPS	E7002-66411	SL-2854	C4203
#: 11	PDCH	E7002-66412	SL-8475	C4150
#: 12	PDCH	E7002-66412	SL-8473	C4150
#: 13	PDCH	E7002-66412	SL-8425	C4150
#: 14	PDCH	E7002-66412	SL-8366	C4150
#: 2	PDPS	E7002-66411	SL-2127	C4050
#: 21	PDCH	E7002-66412	SL-8378	C4150
#: 22	PDCH	E7002-66412	SL-8446	C4150
#: 23	PDCH	E7002-66412	SL-8293	C4150
#: 24	PDCH	E7002-66412	SL-8450	C4150
#: 3	PDPS	E7002-66411	SL-4936	C4203
#: 31	PDCH	E7002-66412	SL-6373	C3936
#: 32	PDCH	E7002-66412	SL-5178	C3936
#: 33	PDCH	E7002-66412	SL-2970	C3936
#: 34	PDCH	E7002-66412	SL-5489	C3936
#: 4	PDPS	E7002-68591	SL-1198	C4050
#: 41	PDCH	E7002-66412	SL-6166	C3936
#: 42	PDCH	E7002-66412	SL-2867	C3936
#: 43	PDCH	E7002-66412	SL-2092	C3936
#: 44	PDCH	E7002-66412	SL-2843	C3936
#: 227	WDA	E9684-61051	AT-270	A4121
#: 228	WDB	E9686-61051	AT-301	B4115
#: 232	WGA	E9685-61051	AT-173	A4036

RS232 Device: /dev/usb/ttyUSB0

Di_RS232_init: open devicefile failed errno=19

Check Permission for Path and Devicefile /dev/usb/ttyUSB0

Low level diagnostic tests disabled because of RS232 initialization errors above

If you are using an USB->RS232 converter please check if device is plugged in correctly

PDIAG Di_interprete Sat Aug 8 15:45:05 2015
command=C

PDIAG Di_interprete Sat Aug 8 15:45:17 2015
command=L /var/opt/hp93000/soc/diagnostic/di_conf
Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 15:45:17 2015
command=T
* testing channels 13201 to 13216

Diagnostic Run 1 executed at: Sat Aug 8 15:45:41 2015

Installed DUT Board "No DUT-Board"!

T 6 (DIG):board voltage test	(100.00ns)
PASSED	
T 7 (DIG):single-select test	(100.00ns)
PASSED	
T 8 (DIG):common-select test	(100.00ns)
PASSED	
T 9 (DIG):vector edit test	(100.00ns)
PASSED	
T 10 (DIG):SRAM-memory test	(100.00ns)
PASSED	
T 11 (DIG):ERMP-memory test	(100.00ns)
PASSED	
T 12 (DIG):OVEM-memory test	(100.00ns)
PASSED	
T 13 (DIG):SDRAM-memory test	(100.00ns)
PASSED	
T 14 (DIG):set-register test	(100.00ns)
PASSED	
T 15 (DIG):start/stop-sequencer test	(100.00ns)
PASSED	
T 17 (PLT):mclk phase test	(100.00ns)
PASSED	
T 18 (PLT):external start test	(100.00ns)

```

Warning: No Clockboard selected
PASSED
T 19 (DIG):continuity & badc test (100.00ns)
PASSED
T 20 (DIG):chip output test (100.00ns)
PASSED
T 21 (DIG):pass/fail test (100.00ns)
PASSED
T 22 (DIG):sdram addr test (100.00ns)
PASSED
T 23 (DIG):pin pmu source/sink test (100.00ns)
PASSED
T 24 (DIG):driver tristate test (100.00ns)
PASSED
T 25 (DIG):relay test (100.00ns)
PASSED
T 26 (DIG):driver-level test (100.00ns)
PASSED
T 27 (DIG):pin pmu pass/fail test (100.00ns)
PASSED
T 28 (DIG):active-load test (100.00ns)
PASSED
T 29 (DIG):channel clamp(s) test (100.00ns)
PASSED
T 30 (DIG):waveform table test (100.00ns)
PASSED
T 36 (DIG):error-map test (100.00ns)
PASSED
T 31 (DIG):device cycle test (100.00ns)
PASSED
T 32 (DIG):driver-edge test (100.00ns)
PASSED
T 33 (DIG):receiver-level test (100.00ns)
PASSED
T 34 (DIG):comparator test (100.00ns)
PASSED
T 35 (DIG):receiver-edge test (100.00ns)
PASSED
T 37 (DIG):overview-error-map test (100.00ns)
PASSED
T 38 (DIG):match loop test (100.00ns)
PASSED
T 39 (DIG):break-waveform test (100.00ns)
PASSED
T 40 (DIG):valid-cycle test (100.00ns)
PASSED
T 41 (DIG):shifter test (100.00ns)
PASSED
T 42 (DIG):dqueue test (100.00ns)
PASSED
T 43 (DIG):mask test (100.00ns)
PASSED
T 44 (DIG):stop-on-analyzer-delay test (100.00ns)
PASSED
T 45 (DIG):stop-on-error test (100.00ns)
PASSED
T 46 (DIG):fifo test (100.00ns)
PASSED
T 48 (PLT):compressor test (100.00ns)
WARNING: no compressor on any control board tested
PASSED
T 52 (DIG):digital capture test (100.00ns)
PASSED
T 54 (PLT):Computer Intf. Card test (100.00ns)
PASSED
T 55 (PLT):Control Board test (100.00ns)
PASSED
T 78 (PLT):special ring test (100.00ns)
This test ignores the current clock board selection!
(Reason: testing of the signal distribution via wiring board)

```

10MHz ring test:

All clock boards with date code 4008 and younger will be tested
and the others will be ignored!

MCLK_ON ring test:

If the passive Control board has a date code older than 4013
then the clock board in this cardcage can not be tested
and will be ignored!

Only clock boards in cardcages with active control boards can
be used as 'sender' clock boards (all can be used as 'receiver'
clock boards)!

Testing date code of all clock boards:

```
Ctrl 11: 4135 -> OK
Clk 11: 4114 -> OK
Ctrl 12: 4122 -> OK
Clk 12: 4114 -> OK
Ctrl 21: 4135 -> OK
Clk 21: 4114 -> OK
Ctrl 22: 4122 -> OK
Clk 22: 4114 -> OK
Ctrl 31: 102 -> OK
Clk 31: 4114 -> OK
Ctrl 32: 4122 -> OK
Clk 32: 4114 -> OK
Ctrl 41: 4135 -> OK
Clk 41: 4047 -> OK
Ctrl 42: 4122 -> OK
Clk 42: 4114 -> OK
```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P		P		P		P	
	Clk12	P		P		P		P	
	Clk21	P		P		P		P	
	Clk22	P		P		P		P	
	Clk31	P		P		P		P	
	Clk32	P		P		P		P	
	Clk41	P		P		P		P	
	Clk42	P		P		P		P	

PASSED

Times [sec]: Total:390.1 Precal:0.0 Tests:36.0 FW:354.1

Diagnostic finished

Diagnostic finished at: Sat Aug 8 15:52:01 2015

Overall diagnostic result: PASSED

Test Summary (Failed/Executed):

T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)
T 13 SDRAM-memory test	(0/1)
T 14 set-register test	(0/1)
T 15 start/stop-sequencer test	(0/1)
T 17 mclk phase test	(0/1)
T 18 external start test	(0/1)
T 19 continuity & badc test	(0/1)
T 20 chip output test	(0/1)
T 21 pass/fail test	(0/1)
T 22 sdram addr test	(0/1)
T 23 pin pmu source/sink test	(0/1)
T 24 driver tristate test	(0/1)
T 25 relay test	(0/1)
T 26 driver-level test	(0/1)
T 27 pin pmu pass/fail test	(0/1)
T 28 active-load test	(0/1)
T 29 channel clamp(s) test	(0/1)
T 30 waveform table test	(0/1)
T 36 error-map test	(0/1)
T 31 device cycle test	(0/1)
T 32 driver-edge test	(0/1)
T 33 receiver-level test	(0/1)
T 34 comparator test	(0/1)
T 35 receiver-edge test	(0/1)
T 37 overview-error-map test	(0/1)
T 38 match loop test	(0/1)
T 39 break-waveform test	(0/1)
T 40 valid-cycle test	(0/1)
T 41 shifter test	(0/1)
T 42 dqueue test	(0/1)
T 43 mask test	(0/1)
T 44 stop-on-analyzer-delay test	(0/1)
T 45 stop-on-error test	(0/1)
T 46 fifo test	(0/1)
T 48 compressor test	(0/1)
T 52 digital capture test	(0/1)
T 54 Computer Intf. Card test	(0/1)
T 55 Control Board test	(0/1)
T 78 special ring test	(0/1)

PDIAG Di_interprete Sat Aug 8 15:53:06 2015
command=L /var/opt/hp93000/soc/diagnostic/di_conf
Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 15:53:07 2015
command=D
Rev. Dump finished

PDIAG Di_interprete Sat Aug 8 15:53:16 2015
command=Q #

PDIAG exit at: Sat Aug 8 15:53:30 2015

di_log_file_2015.08.08

```
*** Diagnostics running on localhost.localdomain ***
```

PDIAG started at: Sat Aug 8 15:00:22 2015

DI: device period: 250

Firmware Revision: *IDN Firmware s/w rev. 6.1.2, 11-Sep-07

[illegible]

#& Resource	LIST Type	Assembly	S/N	Revision	FPGA	Rev
#: 1	SYST	n/a	QFII6uFxxbsn1WyCb3fyLM	n/a	n/a	
#: 1	CCG	n/a	1OsR2giecY6iHqs70la7Ww	n/a	n/a	
#: 2	CCG	n/a	DPp3NeOjfx728lFa5EGDKM	n/a	n/a	
#: 3	CCG	n/a	bs9DcRPreH1aUvNnWB7yVM	n/a	n/a	
#: 4	CCG	n/a	z5y_DC_DXDFJ41COGx3Qw	n/a	n/a	
#: 5	CCG	n/a	bTAnGVH7Q9cEiqyddmvzbM	n/a	n/a	
#: 6	CCG	n/a	er9caiy32VAQMrkZVQ9s6M	n/a	n/a	
#: 7	CCG	n/a	_SbfomfqdX8DoLkyhXIVRw	n/a	n/a	
#: 8	CCG	n/a	vH2tbeULxpVkke51HYoMJw	n/a	n/a	
#: 1	CICD	E6978-66442	JP-13647		101	
#: 11	CTRL	E6978-66424	SL-2749		4135	
#: 12	CTRL	E6978-66472	SL-2281		4122	
#: 11	CLK	E6978-66415	SL-5941		4114	
#: 12	CLK	E6978-66515	SL-4806		4114	
#: 21	CTRL	E6978-66424	SL-6103		4135	
#: 22	CTRL	E6978-66472	SL-2274		4122	
#: 21	CLK	E6978-66515	SL-4370		4114	
#: 22	CLK	E6978-66515	SL-4253		4114	
#: 31	CTRL	E6978-68527	79-13175		102	
#: 32	CTRL	E6978-66472	SL-2300		4122	
#: 31	CLK	E6978-66415	SL-5954		4114	
#: 32	CLK	E6978-66415	SL-5845		4114	
#: 41	CTRL	E6978-66424	SL-2570		4135	
#: 42	CTRL	E6978-66472	SL-2304		4122	
#: 41	CLK	E6978-66515	SL-2595	A4047		
#: 42	CLK	E6978-66415	SL-5899		4114	
#: 101	CHBD	E6996-66501	SL-10818		B4031	
#: 101	REL	E6996-66413	SL-11328		C4112	
#: 1011	CHMO	E6996-86543	SI-6280		3838	
#: 10111	SDRM	E6997-66503	SL-30420		3714	
#: 10112	SDRM	E6997-66503	SL-30419		3714	
#: 1012	CHMO	E6996-86543	AC-26001		4025	
#: 10121	SDRM	E6997-66503	SL-30602		3714	
#: 10122	SDRM	E6997-66503	SL-30599		3714	
#: 1013	CHMO	E6996-86543	MB-2127		4011	
#: 10131	SDRM	E6997-66503	SL-30415		3714	
#: 10132	SDRM	E6997-66503	SL-30416		3714	
#: 1014	CHMO	E6996-86543	SI-8579		3838	
#: 10141	SDRM	E6997-66503	SL-30603		3714	
#: 10142	SDRM	E6997-66503	SL-30600		3714	
#: 102	CHBD	E6996-66401	SL-13738		B4112	
#: 102	REL	E6996-66413	SL-14403		C4117	
#: 1021	CHMO	E6996-86543	AC-6235		4024	
#: 10211	SDRM	E6997-66404	79-333		100	
#: 1022	CHMO	E6996-86543	MB-513		4011	
#: 10221	SDRM	E6997-66404	79-4700		100	
#: 1023	CHMO	E6996-86543	AC-6723		4024	
#: 10231	SDRM	E6997-66404	79-4746		100	
#: 1024	CHMO	E6996-86543	MB-2118		4011	
#: 10241	SDRM	E6997-66404	79-483		100	
#: 103	CHBD	E6996-66401	SL-14331		B4112	
#: 103	REL	E6996-66413	SL-13733		C4117	
#: 1031	CHMO	E6996-86543	AC-6028		4024	
#: 10311	SDRM	E6997-66404	79-4700		100	
#: 1032	CHMO	E6996-88543	MB-819		H4011	
#: 10321	SDRM	E6997-66404	79-483		100	
#: 1033	CHMO	E6996-86543	AC-9664		4024	
#: 10331	SDRM	E6997-66404	79-333		100	
#: 1034	CHMO	E6996-86543	AC-8452		4024	
#: 10341	SDRM	E6997-66404	79-4746		100	
#: 104	CHBD	E6996-66401	SL-10646		B4112	
#: 104	REL	E6996-66413	SL-10539		C4112	
#: 1041	CHMO	E6996-86543	SI-6514		3838	
#: 10411	SDRM	E6997-66404	79-483		100	
#: 1042	CHMO	E6996-86543	AC-27661		4025	
#: 10421	SDRM	E6997-66404	79-4700		100	
#: 1043	CHMO	E6996-86543	AC-27788		4025	
#: 10431	SDRM	E6997-66404	79-4746		100	

#: 1044	CHMO	E6996-86543	SI-8474	3838
#: 10441	SDRM	E6997-66404	79-333	100
#: 105	CHBD	E6996-66401	SL-13676	B4112
#: 105	REL	E6996-66413	SL-14335	C4117
#: 1051	CHMO	E6996-86543	AC-2849	4024
#: 10511	SDRM	E6997-66404	79-4746	100
#: 1052	CHMO	E6996-86543	AC-815	4024
#: 10521	SDRM	E6997-66404	79-4700	100
#: 1053	CHMO	E6996-86543	AC-1122	4024
#: 10531	SDRM	E6997-66404	79-483	100
#: 1054	CHMO	E6996-86543	AC-2111	4024
#: 10541	SDRM	E6997-66404	79-4746	100
#: 106	CHBD	E6996-66401	SL-14110	B4112
#: 106	REL	E6996-66413	SL-13189	C4117
#: 1061	CHMO	E6996-88543	SI-3064	F3838
#: 10611	SDRM	E6997-66404	79-4700	100
#: 1062	CHMO	E6996-86543	MM-22025	4107
#: 10621	SDRM	E6997-66404	79-483	100
#: 1063	CHMO	E6996-86543	MM-22027	4107
#: 10631	SDRM	E6997-66404	79-333	100
#: 1064	CHMO	E6996-86543	MM-21733	4107
#: 10641	SDRM	E6997-66404	79-4746	100
#: 107	CHBD	E6996-66401	SL-15253	B4112
#: 107	REL	E6996-66413	SL-13695	C4117
#: 1071	CHMO	E6996-86543	AC-4502	4024
#: 10711	SDRM	E6997-66404	79-483	100
#: 1072	CHMO	E6996-86543	AC-5049	4024
#: 10721	SDRM	E6997-66404	79-4700	100
#: 1073	CHMO	E6996-86543	AC-5958	4024
#: 10731	SDRM	E6997-66404	79-4746	100
#: 1074	CHMO	E6996-86543	AC-13909	4025
#: 10741	SDRM	E6997-66404	79-333	100
#: 108	CHBD	E6996-66401	SL-14140	B4112
#: 108	REL	E6996-66413	SL-13701	C4117
#: 1081	CHMO	E6996-86543	SI-6639	3838
#: 10811	SDRM	E6997-66404	79-4746	100
#: 1082	CHMO	E6996-86543	SI-7052	3838
#: 10821	SDRM	E6997-66404	79-4700	100
#: 1083	CHMO	E6996-86543	SI-5785	3838
#: 10831	SDRM	E6997-66404	79-333	100
#: 1084	CHMO	E6996-86543	SI-6579	3838
#: 10841	SDRM	E6997-66404	79-483	100
#: 109	CHBD	E6996-66401	SL-13718	B4112
#: 109	REL	E6996-66413	SL-14075	C4117
#: 1091	CHMO	E6996-86543	MM-19055	4107
#: 10911	SDRM	E6997-66404	79-4746	100
#: 1092	CHMO	E6996-86543	SI-8919	3838
#: 10921	SDRM	E6997-66404	79-333	100
#: 1093	CHMO	E6996-86543	SI-6721	3838
#: 10931	SDRM	E6997-66404	79-483	100
#: 1094	CHMO	E6996-86543	MB-2682	4011
#: 10941	SDRM	E6997-66404	79-4700	100
#: 110	CHBD	E6996-66501	SL-6631	B4031
#: 110	REL	E6996-68583	SL-10983	B4117
#: 1101	CHMO	E6996-86543	AC-28713	4044
#: 11011	SDRM	E6997-66404	79-4700	100
#: 1102	CHMO	E6996-86543	MM-12639	4011
#: 11021	SDRM	E6997-66404	79-483	100
#: 1103	CHMO	E6996-88543	AC-14021	4025
#: 11031	SDRM	E6997-66404	79-333	100
#: 1104	CHMO	E6996-86543	AC-28908	4044
#: 11041	SDRM	E6997-66404	79-4746	100
#: 111	CHBD	E6996-66401	SL-13778	B4112
#: 111	REL	E6996-66413	SL-14832	C4117
#: 1111	CHMO	E6996-86543	MB-2692	4011
#: 11111	SDRM	E6997-66404	79-4746	100
#: 1112	CHMO	E6996-88543	AC-3998	M4024
#: 11121	SDRM	E6997-66404	79-333	100
#: 1113	CHMO	E6996-86543	MM-10490	4011
#: 11131	SDRM	E6997-66404	79-483	100

#: 1114	CHMO	E6996-86543	MM-13735	4011
#: 11141	SDRM	E6997-66404	79-4700	100
#: 112	CHBD	E6996-66401	SL-14446	B4112
#: 112	REL	E6996-66413	SL-14409	C4117
#: 1121	CHMO	E6996-86543	AC-7936	4024
#: 11211	SDRM	E6997-66404	79-4746	100
#: 1122	CHMO	E6996-86543	AC-8903	4024
#: 11221	SDRM	E6997-66404	79-333	100
#: 1123	CHMO	E6996-86543	AC-8444	4024
#: 11231	SDRM	E6997-66404	79-483	100
#: 1124	CHMO	E6996-86543	AC-8092	4024
#: 11241	SDRM	E6997-66404	79-4700	100
#: 113	CHBD	E6996-66401	SL-12841	B4112
#: 113	REL	E6996-66413	SL-14090	C4117
#: 1131	CHMO	E6996-86543	SI-4819	3838
#: 11311	SDRM	E6997-66404	79-333	100
#: 1132	CHMO	E6996-86543	AC-4673	4024
#: 11321	SDRM	E6997-66404	79-4746	100
#: 1133	CHMO	E6996-86543	AC-8071	4024
#: 11331	SDRM	E6997-66404	79-4700	100
#: 1134	CHMO	E6996-86543	AC-21621	4025
#: 11341	SDRM	E6997-66404	79-483	100
#: 114	CHBD	E6996-68501	SL-10711	B4031
#: 114	REL	E6996-66513	SL-10686	C4112
#: 1141	CHMO	E6996-86543	MM-9286	4011
#: 11411	SDRM	E6997-66404	79-4700	100
#: 1142	CHMO	E6996-86543	SI-3506	3838
#: 11421	SDRM	E6997-66404	79-483	100
#: 1143	CHMO	E6996-88543	AC-24707	4025
#: 11431	SDRM	E6997-66404	79-333	100
#: 1144	CHMO	E6996-86543	SI-5102	3838
#: 11441	SDRM	E6997-66404	79-4746	100
#: 115	CHBD	E6996-66501	SL-10714	B4031
#: 115	REL	E6996-66513	SL-10390	C4117
#: 1151	CHMO	E6996-86543	AC-16215	4025
#: 11511	SDRM	E6997-66404	79-4700	100
#: 1152	CHMO	E6996-86543	MM-13619	4011
#: 11521	SDRM	E6997-66404	79-483	100
#: 1153	CHMO	E6996-86543	MM-13618	4011
#: 11531	SDRM	E6997-66404	79-333	100
#: 1154	CHMO	E6996-86543	AC-14286	4025
#: 11541	SDRM	E6997-66404	79-4746	100
#: 116	CHBD	E6996-66401	SL-14332	B4112
#: 116	REL	E6996-66413	SL-13745	C4117
#: 1161	CHMO	E6996-86543	AC-28380	4044
#: 11611	SDRM	E6997-66404	79-483	100
#: 1162	CHMO	E6996-86543	AC-8473	4024
#: 11621	SDRM	E6997-66404	79-4700	100
#: 1163	CHMO	E6996-86543	AC-11508	4025
#: 11631	SDRM	E6997-66404	79-4746	100
#: 1164	CHMO	E6996-86543	AC-5027	4024
#: 11641	SDRM	E6997-66404	79-333	100
#: 117	CHBD	E6996-66401	SL-13802	B4112
#: 117	REL	E6996-66413	SL-14320	C4117
#: 1171	CHMO	E6996-86543	AC-17017	4025
#: 11711	SDRM	E6997-66404	79-483	100
#: 1172	CHMO	E6996-86543	SI-6264	3838
#: 11721	SDRM	E6997-66404	79-333	100
#: 1173	CHMO	E6996-86543	SI-6298	3838
#: 11731	SDRM	E6997-66404	79-4746	100
#: 1174	CHMO	E6996-86543	SI-1699	3838
#: 11741	SDRM	E6997-66404	79-4700	100
#: 118	CHBD	E6996-66401	SL-15247	B4112
#: 118	REL	E6996-66413	SL-13725	C4117
#: 1181	CHMO	E6996-86543	AC-3718	4024
#: 11811	SDRM	E6997-66404	79-483	100
#: 1182	CHMO	E6996-86543	AC-11816	4025
#: 11821	SDRM	E6997-66404	79-4700	100
#: 1183	CHMO	E6996-86543	AC-6215	4024
#: 11831	SDRM	E6997-66404	79-4746	100

#: 1184	CHMO	E6996-86543	AC-3779	4024
#: 11841	SDRM	E6997-66404	79-333	100
#: 119	CHBD	E6996-66501	SL-13880	B4031
#: 119	REL	E6996-66413	SL-14442	C4117
#: 1191	CHMO	E6996-86543	AC-7635	4024
#: 11911	SDRM	E6997-66404	79-333	100
#: 1192	CHMO	E6996-86543	AC-21894	4025
#: 11921	SDRM	E6997-66404	79-483	100
#: 1193	CHMO	E6996-86543	AC-2847	4024
#: 11931	SDRM	E6997-66404	79-4700	100
#: 1194	CHMO	E6996-86543	AC-7547	4024
#: 11941	SDRM	E6997-66404	79-4746	100
#: 120	CHBD	E6996-66401	SL-13714	B4112
#: 120	REL	E6996-66413	SL-14128	C4117
#: 1201	CHMO	E6996-86543	AC-9855	4024
#: 12011	SDRM	E6997-66404	79-333	100
#: 1202	CHMO	E6996-86543	AC-2699	4024
#: 12021	SDRM	E6997-66404	79-4700	100
#: 1203	CHMO	E6996-86543	AC-5261	4024
#: 12031	SDRM	E6997-66404	79-333	100
#: 1204	CHMO	E6996-86543	AC-1350	4024
#: 12041	SDRM	E6997-66404	79-483	100
#: 121	CHBD	E6996-66401	SL-13573	B4112
#: 121	REL	E6996-66413	SL-13660	C4117
#: 1211	CHMO	E6996-86543	MB-964	4011
#: 12111	SDRM	E6997-66404	79-483	100
#: 1212	CHMO	E6996-86543	MM-11443	4011
#: 12121	SDRM	E6997-66404	79-4700	100
#: 1213	CHMO	E6996-86543	SI-3797	3838
#: 12131	SDRM	E6997-66404	79-4746	100
#: 1214	CHMO	E6996-86543	SI-4457	3838
#: 12141	SDRM	E6997-66404	79-333	100
#: 122	CHBD	E6996-66401	SL-13852	B4112
#: 122	REL	E6996-66413	SL-14143	C4117
#: 1221	CHMO	E6996-86543	AC-1035	4024
#: 12211	SDRM	E6997-66404	79-4746	100
#: 1222	CHMO	E6996-86543	AC-1772	4024
#: 12221	SDRM	E6997-66404	79-483	100
#: 1223	CHMO	E6996-86543	AC-27659	4025
#: 12231	SDRM	E6997-66404	79-333	100
#: 1224	CHMO	E6996-86543	AC-21901	4025
#: 12241	SDRM	E6997-66404	79-4700	100
#: 123	CHBD	E6996-66401	SL-14483	B4112
#: 123	REL	E6996-66413	SL-13679	C4117
#: 1231	CHMO	E6996-86543	AC-3789	4024
#: 12311	SDRM	E6997-66404	79-4746	100
#: 1232	CHMO	E6996-86543	AC-11992	4025
#: 12321	SDRM	E6997-66404	79-333	100
#: 1233	CHMO	E6996-86543	AC-3776	4024
#: 12331	SDRM	E6997-66404	79-483	100
#: 1234	CHMO	E6996-86543	AC-14559	4025
#: 12341	SDRM	E6997-66404	79-4700	100
#: 124	CHBD	E6996-66401	SL-12892	B4112
#: 124	REL	E6996-66413	SL-14106	C4117
#: 1241	CHMO	E6996-86543	AC-1551	4024
#: 12411	SDRM	E6997-66404	79-483	100
#: 1242	CHMO	E6996-86543	AC-23410	4025
#: 12421	SDRM	E6997-66404	79-4700	100
#: 1243	CHMO	E6996-86543	AC-12085	4025
#: 12431	SDRM	E6997-66404	79-4746	100
#: 1244	CHMO	E6996-86543	AC-16007	4025
#: 12441	SDRM	E6997-66404	79-333	100
#: 125	CHBD	E6996-66401	SL-13677	B4112
#: 125	REL	E6996-66413	SL-14392	C4117
#: 1251	CHMO	E6996-86543	AC-3617	4024
#: 12511	SDRM	E6997-66404	79-4700	100
#: 1252	CHMO	E6996-86543	AC-9875	4025
#: 12521	SDRM	E6997-66404	79-483	100
#: 1253	CHMO	E6996-86543	AC-7963	4024
#: 12531	SDRM	E6997-66404	79-333	100

#: 1254	CHMO	E6996-86543	AC-6693	4024
#: 12541	SDRM	E6997-66404	79-4746	100
#: 126	CHBD	E6996-66501	SL-11292	B4031
#: 126	REL	E6996-66413	SL-10440	C4112
#: 1261	CHMO	E6996-86543	AC-25492	4025
#: 12611	SDRM	E6997-66404	79-483	100
#: 1262	CHMO	E6996-86543	AC-25488	4025
#: 12621	SDRM	E6997-66404	79-4700	100
#: 1263	CHMO	E6996-86543	AC-11352	4025
#: 12631	SDRM	E6997-66404	79-4746	100
#: 1264	CHMO	E6996-86543	AC-25493	4025
#: 12641	SDRM	E6997-66404	79-333	100
#: 127	CHBD	E6996-66401	SL-13719	B4112
#: 127	REL	E6996-66413	SL-14330	C4117
#: 1271	CHMO	E6996-86543	AC-7361	4024
#: 12711	SDRM	E6997-66404	79-4746	100
#: 1272	CHMO	E6996-86543	MM-10797	4011
#: 12721	SDRM	E6997-66404	79-4700	100
#: 1273	CHMO	E6996-86543	AC-2792	4024
#: 12731	SDRM	E6997-66404	79-483	100
#: 1274	CHMO	E6996-86543	SI-7644	3838
#: 12741	SDRM	E6997-66404	79-333	100
#: 128	CHBD	E6996-66401	SL-13664	B4112
#: 128	REL	E6996-66413	SL-14448	C4117
#: 1281	CHMO	E6996-86543	SI-2685	3838
#: 12811	SDRM	E6997-66404	79-333	100
#: 1282	CHMO	E6996-86543	SI-9078	3838
#: 12821	SDRM	E6997-66404	79-483	100
#: 1283	CHMO	E6996-86543	SI-1883	3838
#: 12831	SDRM	E6997-66404	79-4700	100
#: 1284	CHMO	E6996-86543	SI-3485	3838
#: 12841	SDRM	E6997-66404	79-4746	100
#: 129	CHBD	E6996-66401	SL-15256	B4112
#: 129	REL	E6996-66413	SL-14208	C4117
#: 1291	CHMO	E6996-86543	AC-27750	4025
#: 12911	SDRM	E6997-66404	79-333	100
#: 1292	CHMO	E6996-86543	AC-27751	4025
#: 12921	SDRM	E6997-66404	79-4746	100
#: 1293	CHMO	E6996-86543	AC-27744	4025
#: 12931	SDRM	E6997-66404	79-4700	100
#: 1294	CHMO	E6996-86543	AC-10175	4025
#: 12941	SDRM	E6997-66404	79-483	100
#: 130	CHBD	E6996-66401	SL-12928	B4112
#: 130	REL	E6996-66413	SL-14050	C4117
#: 1301	CHMO	E6996-86543	AC-9957	4025
#: 13011	SDRM	E6997-66404	79-4746	100
#: 1302	CHMO	E6996-86543	AC-10126	4025
#: 13021	SDRM	E6997-66404	79-4700	100
#: 1303	CHMO	E6996-86543	AC-10169	4025
#: 13031	SDRM	E6997-66404	79-483	100
#: 1304	CHMO	E6996-86543	AC-10027	4025
#: 13041	SDRM	E6997-66404	79-333	100
#: 131	CHBD	E6996-66401	SL-14471	B4112
#: 131	REL	E6996-66413	SL-14391	C4117
#: 1311	CHMO	E6996-86543	AC-27537	4025
#: 13111	SDRM	E6997-66404	79-4700	100
#: 1312	CHMO	E6996-86543	AC-28612	4044
#: 13121	SDRM	E6997-66404	79-483	100
#: 1313	CHMO	E6996-86543	AC-27786	4025
#: 13131	SDRM	E6997-66404	79-333	100
#: 1314	CHMO	E6996-86543	AC-27544	4025
#: 13141	SDRM	E6997-66404	79-4746	100
#: 132	CHBD	E6996-66401	SL-12888	B4112
#: 132	REL	E6996-66413	SL-11144	C4112
#: 1321	CHMO	E6996-86543	SI-5218	3838
#: 13211	SDRM	E6997-66404	79-4746	100
#: 1322	CHMO	E6996-86543	SI-1835	3838
#: 13221	SDRM	E6997-66404	79-333	100
#: 1323	CHMO	E6996-86543	SI-2982	3838
#: 13231	SDRM	E6997-66404	79-4700	100

#: 1324	CHMO	E6996-86543	AC-12164	4025
#: 13241	SDRM	E6997-66404	79-483	100
#: 1	PDPS	E7002-66411	SL-2854	C4203
#: 11	PDCH	E7002-66412	SL-8475	C4150
#: 12	PDCH	E7002-66412	SL-8473	C4150
#: 13	PDCH	E7002-66412	SL-8425	C4150
#: 14	PDCH	E7002-66412	SL-8366	C4150
#: 2	PDPS	E7002-66411	SL-2127	C4050
#: 21	PDCH	E7002-66412	SL-8378	C4150
#: 22	PDCH	E7002-66412	SL-8446	C4150
#: 23	PDCH	E7002-66412	SL-8293	C4150
#: 24	PDCH	E7002-66412	SL-8450	C4150
#: 3	PDPS	E7002-66411	SL-4936	C4203
#: 31	PDCH	E7002-66412	SL-6373	C3936
#: 32	PDCH	E7002-66412	SL-5178	C3936
#: 33	PDCH	E7002-66412	SL-2970	C3936
#: 34	PDCH	E7002-66412	SL-5489	C3936
#: 4	PDPS	E7002-68591	SL-1198	C4050
#: 41	PDCH	E7002-66412	SL-6166	C3936
#: 42	PDCH	E7002-66412	SL-2867	C3936
#: 43	PDCH	E7002-66412	SL-2092	C3936
#: 44	PDCH	E7002-66412	SL-2843	C3936
#: 227	WDA	E9684-61051	AT-270	A4121
#: 228	WDB	E9686-61051	AT-301	B4115
#: 232	WGA	E9685-61051	AT-173	A4036

RS232 Device: /dev/usb/ttyUSB0

Di_RS232_init: open devicefile failed errno=19

Check Permission for Path and Devicefile /dev/usb/ttyUSB0

Low level diagnostic tests disabled because of RS232 initialization errors above

If you are using an USB->RS232 converter please check if device is plugged in correctly

PDIAG Di_interprete Sat Aug 8 15:00:55 2015

command=C

PDIAG Di_interprete Sat Aug 8 15:01:30 2015

command=L /var/opt/hp93000/soc/diagnostic/di_conf

Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 15:01:30 2015

command=T

* testing channels 11201 to 11216

* testing channels 12501 to 13216

Diagnostic Run 1 executed at: Sat Aug 8 15:01:54 2015

Installed DUT Board "No DUT-Board"!

T 6 (DIG):board voltage test (100.00ns)

PASSED

T 7 (DIG):single-select test (100.00ns)

PASSED

T 8 (DIG):common-select test (100.00ns)

PASSED

T 9 (DIG):vector edit test (100.00ns)

PASSED

T 10 (DIG):SRAM-memory test (100.00ns)

PASSED

T 11 (DIG):ERMP-memory test (100.00ns)

PASSED

T 12 (DIG):OVEM-memory test (100.00ns)

PASSED

T 13 (DIG):SDRAM-memory test (100.00ns)

PASSED

T 14 (DIG):set-register test (100.00ns)

PASSED

T 15 (DIG):start/stop-sequencer test (100.00ns)

PASSED

T 17 (PLT):mclk phase test (100.00ns)

PASSED

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T 18 (PLT):external start test (100.00ns)
Warning: No Clockboard selected
PASSED
T 19 (DIG):continuity & badc test (100.00ns)
PASSED
T 20 (DIG):chip output test (100.00ns)
PASSED
T 21 (DIG):pass/fail test (100.00ns)
PASSED
T 22 (DIG):sdram addr test (100.00ns)
PASSED
T 23 (DIG):pin pmu source/sink test (100.00ns)
PIN[13212]: start of voltage force -----
PinPmu 13212 test error
expected: V = -3500.0mV +-935.0mV
measured: V = 8167.2mV
PinPmu 13212 test error
expected: V = -1250.0mV +-912.5mV
measured: V = 8167.2mV
PinPmu 13212 test error
expected: V = 1000.0mV +-910.0mV
measured: V = 8167.2mV
PinPmu 13212 test error
expected: V = 3250.0mV +-932.5mV
measured: V = 8167.2mV
PinPmu 13212 test error
expected: V = 5500.0mV +-955.0mV
measured: V = 8167.2mV
PIN[13212]: start of voltage measure -----
PinPmu 13212 test error
expected: V = -3500.0mV +-935.0mV
measured: V = 408.2mV
PinPmu 13212 test error
expected: V = -1250.0mV +-912.5mV
measured: V = 529.6mV
PinPmu 13212 test error
expected: V = 3250.0mV +-932.5mV
measured: V = 780.1mV
PinPmu 13212 test error
expected: V = 5500.0mV +-955.0mV
measured: V = 906.8mV
PIN[13212]: start of current measure-----
PinPmu 13212 test error
expected: I = -7.2uA +- 11.2uA
measured: I = 6.9uA
PinPmu 13212 test error
expected: I = -9.0uA +- 11.2uA
measured: I = 8.7uA
PinPmu 13212 test error
expected: I = -36.0uA +- 21.4uA
measured: I = 34.1uA
PinPmu 13212 test error
expected: I = -54.0uA +- 21.5uA
measured: I = 52.0uA
PinPmu 13212 test error
expected: I = -72.0uA +- 21.7uA
measured: I = 70.0uA
PinPmu 13212 test error
expected: I = -90.0uA +- 21.9uA
measured: I = 87.8uA
PinPmu 13212 test error
expected: I = -360.0uA +- 363.6uA
measured: I = 339.6uA
PinPmu 13212 test error
expected: I = -540.0uA +- 365.4uA
measured: I = 518.8uA
PinPmu 13212 test error
expected: I = -720.0uA +- 367.2uA
measured: I = 698.2uA
PinPmu 13212 test error

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expected: I = -900.0uA +- 369.0uA
measured: I = 877.9uA
PinPmu 13212 test error
expected: I = -7600.0uA +- 10476.0uA
measured: I = 6917.2uA
PinPmu 13212 test error
expected: I = -15200.0uA +- 10552.0uA
measured: I = 14606.3uA
PinPmu 13212 test error
expected: I = -22800.0uA +- 10628.0uA
measured: I = 22305.7uA
PinPmu 13212 test error
expected: I = -30400.0uA +- 10704.0uA
measured: I = 30229.5uA
PinPmu 13212 test error
expected: I = -38000.0uA +- 10780.0uA
measured: I = 38011.0uA
PIN[13212]: start of current force -----
PinPmu 13212 test error
expected: V = 1296.0mV +-1561.0mV
measured: V = -355.1mV
PinPmu 13212 test error
expected: V = 1944.0mV +-1891.4mV
measured: V = -316.9mV
PinPmu 13212 test error
expected: V = 2592.0mV +-2221.9mV
measured: V = -275.6mV
PinPmu 13212 test error
expected: V = -3240.0mV +-2552.4mV
measured: V = -637.7mV
PinPmu 13212 test error
expected: V = 3240.0mV +-2552.4mV
measured: V = -234.6mV
PinPmu 13212 test error
expected: V = 1440.0mV +-1634.4mV
measured: V = -338.1mV
PinPmu 13212 test error
expected: V = 1800.0mV +-1818.0mV
measured: V = -313.4mV
FAILED
T 24 (DIG):driver tristate test (100.00ns)
PASSED
T 25 (DIG):relay test (100.00ns)
relay defect at channel 13212
PPMU- or DC-relay can't be closed
expected: V <= 500.00mV
measured: V = 8167.25mV
FAILED
T 26 (DIG):driver-level test (100.00ns)
driver-high-level error at channel 13212
400.00mV +- 1498.00mV was expected but -1405.34mV was measured ***
driver-high-level error at channel 13212
900.00mV +- 1558.00mV was expected but -1379.49mV was measured ***
driver-high-level error at channel 13212
1400.00mV +- 1618.00mV was expected but -1349.69mV was measured ***
driver-high-level error at channel 13212
1900.00mV +- 1678.00mV was expected but -1327.58mV was measured ***
driver-high-level error at channel 13212
2400.00mV +- 1738.00mV was expected but -1299.37mV was measured ***
driver-high-level error at channel 13212
2900.00mV +- 1798.00mV was expected but -1270.78mV was measured ***
driver-high-level error at channel 13212
3400.00mV +- 1858.00mV was expected but -1243.71mV was measured ***
driver-high-level error at channel 13212
3900.00mV +- 1918.00mV was expected but -1213.68mV was measured ***
driver-high-level error at channel 13212
4400.00mV +- 1978.00mV was expected but -1188.90mV was measured ***
driver-low-level error at channel 13212
1100.00mV +- 1582.00mV was expected but -517.69mV was measured ***
driver-low-level error at channel 13212

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1600.00mV +- 1642.00mV was expected but -493.45mV was measured ***
driver-low-level error at channel 13212
2100.00mV +- 1702.00mV was expected but -464.02mV was measured ***
driver-low-level error at channel 13212
2600.00mV +- 1762.00mV was expected but -435.58mV was measured ***
driver-low-level error at channel 13212
3100.00mV +- 1822.00mV was expected but -405.62mV was measured ***
driver-low-level error at channel 13212
3600.00mV +- 1882.00mV was expected but -378.02mV was measured ***
driver-low-level error at channel 13212
4100.00mV +- 1942.00mV was expected but -350.35mV was measured ***
FAILED
T 27 (DIG):pin pmu pass/fail test (100.00ns)
PASSED
T 28 (DIG):active-load test (100.00ns)
PASSED
T 29 (DIG):channel clamp(s) test (100.00ns)
PASSED
T 30 (DIG):waveform table test (100.00ns)
PASSED
T 36 (DIG):error-map test (100.00ns)
PASSED
T 31 (DIG):device cycle test (100.00ns)
PASSED
T 32 (DIG):driver-edge test (100.00ns)
PASSED
T 33 (DIG):receiver-level test (100.00ns)
AC-comparator error at channel 13212
no Intermediate detected
AC-comparator error at channel 13212
no High detected
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-high-level error at channel 13212
a threshold of 1728.00mV + 1807.36mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 2396.00mV + 1887.52mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 3064.00mV + 1967.68mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 3732.00mV + 2047.84mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 4400.00mV + 2128.00mV was expected but high-threshold was to high ***
receiver-level test error at channel 13212
FAILED
T 34 (DIG):comparator test (100.00ns)
PASSED
T 35 (DIG):receiver-edge test (100.00ns)
PASSED
T 37 (DIG):overview-error-map test (100.00ns)
PASSED
T 38 (DIG):match loop test (100.00ns)
PASSED
T 39 (DIG):break-waveform test (100.00ns)
PASSED
T 40 (DIG):valid-cycle test (100.00ns)
PASSED
T 41 (DIG):shifter test (100.00ns)
PASSED
T 42 (DIG):dqueue test (100.00ns)
PASSED
T 43 (DIG):mask test (100.00ns)
PASSED
T 44 (DIG):stop-on-analyzer-delay test (100.00ns)
PASSED
T 45 (DIG):stop-on-error test (100.00ns)
PASSED

```

```

T 46 (DIG):fifo test (100.00ns)
PASSED
T 48 (PLT):compressor test (100.00ns)
WARNING: no compressor on any control board tested
PASSED
T 52 (DIG):digital capture test (100.00ns)
PASSED
T 54 (PLT):Computer Intf. Card test (100.00ns)
PASSED
T 55 (PLT):Control Board test (100.00ns)
PASSED
T 78 (PLT):special ring test (100.00ns)
This test ignores the current clock board selection!
(Reason: testing of the signal distribution via wiring board)

```

10MHz ring test:

All clock boards with date code 4008 and younger will be tested and the others will be ignored!

MCLK_ON ring test:

If the passive Control board has a date code older than 4013 then the clock board in this cardcage can not be tested and will be ignored!

Only clock boards in cardcages with active control boards can be used as 'sender' clock boards (all can be used as 'receiver' clock boards)!

Testing date code of all clock boards:

```

Ctrl 11: 4135 -> OK
Clk 11: 4114 -> OK
Ctrl 12: 4122 -> OK
Clk 12: 4114 -> OK
Ctrl 21: 4135 -> OK
Clk 21: 4114 -> OK
Ctrl 22: 4122 -> OK
Clk 22: 4114 -> OK
Ctrl 31: 102 -> OK
Clk 31: 4114 -> OK
Ctrl 32: 4122 -> OK
Clk 32: 4114 -> OK
Ctrl 41: 4135 -> OK
Clk 41: 4047 -> OK
Ctrl 42: 4122 -> OK
Clk 42: 4114 -> OK

```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42

Receiver:	Clk11	P	P	P	P
	Clk12	P	P	P	P
	Clk21	P	P	P	P
	Clk22	P	P	P	P
	Clk31	P	P	P	P
	Clk32	P	P	P	P
	Clk41	P	P	P	P
	Clk42	P	P	P	P

PASSED

Fail occurred during the last diagnostic run and
no file for PDIAG revision compare is available
/var/opt/hp93000/soc/diagnostic/di_last_passed file is not updated

Times [sec]: Total:1582.4 Precal:0.0 Tests:93.9 FW:1488.5

Diagnostic finished

Diagnostic finished at: Sat Aug 8 15:28:06 2015

Overall diagnostic result: FAILED

Starting diagnostic rule interpreter.
Please wait a few seconds ...
Done.

Test Summary (Failed/Executed):

T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)
T 13 SDRAM-memory test	(0/1)
T 14 set-register test	(0/1)
T 15 start/stop-sequencer test	(0/1)
T 17 mclk phase test	(0/1)
T 18 external start test	(0/1)
T 19 continuity & badc test	(0/1)
T 20 chip output test	(0/1)
T 21 pass/fail test	(0/1)
T 22 sdram addr test	(0/1)
T 23 pin pmu source/sink test	(1/1)
T 24 driver tristate test	(0/1)
T 25 relay test	(1/1)
T 26 driver-level test	(1/1)
T 27 pin pmu pass/fail test	(0/1)
T 28 active-load test	(0/1)
T 29 channel clamp(s) test	(0/1)
T 30 waveform table test	(0/1)
T 36 error-map test	(0/1)
T 31 device cycle test	(0/1)
T 32 driver-edge test	(0/1)
T 33 receiver-level test	(1/1)
T 34 comparator test	(0/1)
T 35 receiver-edge test	(0/1)
T 37 overview-error-map test	(0/1)
T 38 match loop test	(0/1)
T 39 break-waveform test	(0/1)
T 40 valid-cycle test	(0/1)
T 41 shifter test	(0/1)
T 42 dqueue test	(0/1)
T 43 mask test	(0/1)
T 44 stop-on-analyzer-delay test	(0/1)
T 45 stop-on-error test	(0/1)
T 46 fifo test	(0/1)
T 48 compressor test	(0/1)

```

T 52 digital capture test (0/1)
T 54 Computer Intf. Card test (0/1)
T 55 Control Board test (0/1)
T 78 special ring test (0/1)

PDIAG Di_interprete Sat Aug 8 15:29:07 2015
command=Q #

PDIAG Di_interprete Sat Aug 8 15:29:14 2015
command=C

PDIAG Di_interprete Sat Aug 8 15:29:28 2015
command=L /var/opt/hp93000/soc/diagnostic/di_conf
Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 15:29:28 2015
command=T
* testing channels 13201 to 13216

### Diagnostic Run 2 executed at: Sat Aug 8 15:29:52 2015

# Installed DUT Board "No DUT-Board"!
T 6 (DIG):board voltage test (100.00ns)
PASSED
T 7 (DIG):single-select test (100.00ns)
PASSED
T 8 (DIG):common-select test (100.00ns)
PASSED
T 9 (DIG):vector edit test (100.00ns)
PASSED
T 10 (DIG):SRAM-memory test (100.00ns)
PASSED
T 11 (DIG):ERMP-memory test (100.00ns)
PASSED
T 12 (DIG):OVEM-memory test (100.00ns)
PASSED
T 13 (DIG):SDRAM-memory test (100.00ns)
PASSED
T 14 (DIG):set-register test (100.00ns)
PASSED
T 15 (DIG):start/stop-sequencer test (100.00ns)
PASSED
T 17 (PLT):mclk phase test (100.00ns)
PASSED
T 18 (PLT):external start test (100.00ns)
Warning: No Clockboard selected
PASSED
T 19 (DIG):continuity & badc test (100.00ns)
PASSED
T 20 (DIG):chip output test (100.00ns)
PASSED
T 21 (DIG):pass/fail test (100.00ns)
PASSED
T 22 (DIG):sdram addr test (100.00ns)
PASSED
T 23 (DIG):pin pmu source/sink test (100.00ns)
PIN[13212]: start of voltage force -----
PinPmu 13212 test error
expected: V = -3500.0mV +-935.0mV
measured: V = 6736.8mV
PinPmu 13212 test error
expected: V = -1250.0mV +-912.5mV
measured: V = 6744.2mV
PinPmu 13212 test error
expected: V = 3250.0mV +-932.5mV
measured: V = 1599.0mV
PinPmu 13212 test error
expected: V = 5500.0mV +-955.0mV
measured: V = 1600.8mV
PIN[13212]: start of voltage measure -----

```

```

PinPmu 13212 test error
expected: V = -3500.0mV +-935.0mV
measured: V = 6715.5mV
PinPmu 13212 test error
expected: V = -1250.0mV +-912.5mV
measured: V = 6829.7mV
PinPmu 13212 test error
expected: V = 1000.0mV +-910.0mV
measured: V = 6948.8mV
PinPmu 13212 test error
expected: V = 3250.0mV +-932.5mV
measured: V = 7066.0mV
PinPmu 13212 test error
expected: V = 5500.0mV +-955.0mV
measured: V = 7183.4mV
PIN[13212]: start of current measure-----
PinPmu 13212 test error
expected: I =      -7.2uA +-      11.2uA
measured: I =       7.0uA
PinPmu 13212 test error
expected: I =      -9.0uA +-      11.2uA
measured: I =       8.8uA
PinPmu 13212 test error
expected: I =     -36.0uA +-      21.4uA
measured: I =      34.1uA
PinPmu 13212 test error
expected: I =     -54.0uA +-      21.5uA
measured: I =      52.0uA
PinPmu 13212 test error
expected: I =     -72.0uA +-      21.7uA
measured: I =      70.0uA
PinPmu 13212 test error
expected: I =     -90.0uA +-      21.9uA
measured: I =      87.9uA
PinPmu 13212 test error
expected: I =    -360.0uA +-     363.6uA
measured: I =     340.1uA
PinPmu 13212 test error
expected: I =    -540.0uA +-     365.4uA
measured: I =     519.5uA
PinPmu 13212 test error
expected: I =    -720.0uA +-     367.2uA
measured: I =     698.6uA
PinPmu 13212 test error
expected: I =    -900.0uA +-     369.0uA
measured: I =     877.9uA
PinPmu 13212 test error
expected: I =   -7600.0uA +-  10476.0uA
measured: I =    6939.0uA
PinPmu 13212 test error
expected: I =  -15200.0uA +- 10552.0uA
measured: I =   14628.5uA
PinPmu 13212 test error
expected: I = -22800.0uA +- 10628.0uA
measured: I =   22328.7uA
PinPmu 13212 test error
expected: I = -30400.0uA +- 10704.0uA
measured: I =   30238.3uA
PinPmu 13212 test error
expected: I = -38000.0uA +- 10780.0uA
measured: I =   38041.7uA
PIN[13212]: start of current force -----
PinPmu 13212 test error
expected: V = -1944.0mV +-1891.4mV
measured: V = 177.8mV
PinPmu 13212 test error
expected: V = -2592.0mV +-2221.9mV
measured: V = 136.4mV
PinPmu 13212 test error
expected: V = -3240.0mV +-2552.4mV

```

```

measured: V = 99.0mV
PinPmu 13212 test error
expected: V = 3240.0mV +-2552.4mV
measured: V = 501.2mV
PinPmu 13212 test error
expected: V = -1440.0mV +-1634.4mV
measured: V = 206.4mV
PinPmu 13212 test error
expected: V = -1800.0mV +-1818.0mV
measured: V = 183.8mV
      FAILED
T 24 (DIG):driver tristate test          (100.00ns)
      PASSED
T 25 (DIG):relay test                    (100.00ns)
relay defect at channel 13212
PPMU- or DC-relay can't be closed
expected: V <= 500.00mV
measured: V = 8167.25mV
      FAILED
T 26 (DIG):driver-level test              (100.00ns)
driver-high-level error at channel 13212
400.00mV +- 1498.00mV was expected but -1435.76mV was measured ***
driver-high-level error at channel 13212
900.00mV +- 1558.00mV was expected but -1409.84mV was measured ***
driver-high-level error at channel 13212
1400.00mV +- 1618.00mV was expected but -1380.87mV was measured ***
driver-high-level error at channel 13212
1900.00mV +- 1678.00mV was expected but -1356.01mV was measured ***
driver-high-level error at channel 13212
2400.00mV +- 1738.00mV was expected but -1330.70mV was measured ***
driver-high-level error at channel 13212
2900.00mV +- 1798.00mV was expected but -1302.88mV was measured ***
driver-high-level error at channel 13212
3400.00mV +- 1858.00mV was expected but -1275.73mV was measured ***
driver-high-level error at channel 13212
3900.00mV +- 1918.00mV was expected but -1245.01mV was measured ***
driver-high-level error at channel 13212
4400.00mV +- 1978.00mV was expected but -1220.54mV was measured ***
driver-low-level error at channel 13212
600.00mV +- 1522.00mV was expected but -1304.93mV was measured ***
driver-low-level error at channel 13212
1100.00mV +- 1582.00mV was expected but -1276.42mV was measured ***
driver-low-level error at channel 13212
1600.00mV +- 1642.00mV was expected but -1251.64mV was measured ***
driver-low-level error at channel 13212
2100.00mV +- 1702.00mV was expected but -1220.61mV was measured ***
driver-low-level error at channel 13212
2600.00mV +- 1762.00mV was expected but -1192.48mV was measured ***
driver-low-level error at channel 13212
3100.00mV +- 1822.00mV was expected but -1162.21mV was measured ***
driver-low-level error at channel 13212
3600.00mV +- 1882.00mV was expected but -1133.17mV was measured ***
driver-low-level error at channel 13212
4100.00mV +- 1942.00mV was expected but -1106.71mV was measured ***
      FAILED
T 27 (DIG):pin pmu pass/fail test         (100.00ns)
      PASSED
T 28 (DIG):active-load test               (100.00ns)
      PASSED
T 29 (DIG):channel clamp(s) test          (100.00ns)
      PASSED
T 30 (DIG):waveform table test            (100.00ns)
      PASSED
T 36 (DIG):error-map test                 (100.00ns)
      PASSED
T 31 (DIG):device cycle test              (100.00ns)
      PASSED
T 32 (DIG):driver-edge test               (100.00ns)
      PASSED
T 33 (DIG):receiver-level test            (100.00ns)

```

AC-comparator error at channel 13212
no Intermediate detected
AC-comparator error at channel 13212
no High detected
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-level error at channel 13212 high or low-level
receiver-high-level error at channel 13212
a threshold of 1728.00mV + 1807.36mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 2396.00mV + 1887.52mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 3064.00mV + 1967.68mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 3732.00mV + 2047.84mV was expected but high-threshold was to high ***
receiver-high-level error at channel 13212
a threshold of 4400.00mV + 2128.00mV was expected but high-threshold was to high ***
receiver-level test error at channel 13212

FAILED

T 34 (DIG):comparator test (100.00ns)
PASSED
T 35 (DIG):receiver-edge test (100.00ns)
PASSED
T 37 (DIG):overview-error-map test (100.00ns)
PASSED
T 38 (DIG):match loop test (100.00ns)
PASSED
T 39 (DIG):break-waveform test (100.00ns)
PASSED
T 40 (DIG):valid-cycle test (100.00ns)
PASSED
T 41 (DIG):shifter test (100.00ns)
PASSED
T 42 (DIG):dqueue test (100.00ns)
PASSED
T 43 (DIG):mask test (100.00ns)
PASSED
T 44 (DIG):stop-on-analyzer-delay test (100.00ns)
PASSED
T 45 (DIG):stop-on-error test (100.00ns)
PASSED
T 46 (DIG):fifo test (100.00ns)
PASSED
T 48 (PLT):compressor test (100.00ns)
WARNING: no compressor on any control board tested
PASSED
T 52 (DIG):digital capture test (100.00ns)
PASSED
T 54 (PLT):Computer Intf. Card test (100.00ns)
PASSED
T 55 (PLT):Control Board test (100.00ns)
PASSED
T 78 (PLT):special ring test (100.00ns)
This test ignores the current clock board selection!
(Reason: testing of the signal distribution via wiring board)

10MHz ring test:

All clock boards with date code 4008 and younger will be tested
and the others will be ignored!

MCLK_ON ring test:

If the passive Control board has a date code older than 4013
then the clock board in this cardcage can not be tested
and will be ignored!

Only clock boards in cardcages with active control boards can
be used as 'sender' clock boards (all can be used as 'receiver'
clock boards)!

Testing date code of all clock boards:

```
Ctrl 11: 4135 -> OK
Clk 11: 4114 -> OK
Ctrl 12: 4122 -> OK
Clk 12: 4114 -> OK
Ctrl 21: 4135 -> OK
Clk 21: 4114 -> OK
Ctrl 22: 4122 -> OK
Clk 22: 4114 -> OK
Ctrl 31: 102 -> OK
Clk 31: 4114 -> OK
Ctrl 32: 4122 -> OK
Clk 32: 4114 -> OK
Ctrl 41: 4135 -> OK
Clk 41: 4047 -> OK
Ctrl 42: 4122 -> OK
Clk 42: 4114 -> OK
```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P		P		P		P	
	Clk12	P		P		P		P	
	Clk21	P		P		P		P	
	Clk22	P		P		P		P	
	Clk31	P		P		P		P	
	Clk32	P		P		P		P	
	Clk41	P		P		P		P	
	Clk42	P		P		P		P	

PASSED

Fail occurred during the last diagnostic run and
no file for PDIAG revision compare is available
/var/opt/hp93000/soc/diagnostic/di_last_passed file is not updated

Times [sec]: Total:294.9 Precal:0.0 Tests:35.8 FW:259.1

Diagnostic finished

Diagnostic finished at: Sat Aug 8 15:34:37 2015

Overall diagnostic result: FAILED

Starting diagnostic rule interpreter.
Please wait a few seconds ...

Done.

Test Summary (Failed/Executed):

T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)
T 13 SDRAM-memory test	(0/1)
T 14 set-register test	(0/1)
T 15 start/stop-sequencer test	(0/1)
T 17 mclk phase test	(0/1)
T 18 external start test	(0/1)
T 19 continuity & badc test	(0/1)
T 20 chip output test	(0/1)
T 21 pass/fail test	(0/1)
T 22 sdram addr test	(0/1)
T 23 pin pmu source/sink test	(1/1)
T 24 driver tristate test	(0/1)
T 25 relay test	(1/1)
T 26 driver-level test	(1/1)
T 27 pin pmu pass/fail test	(0/1)
T 28 active-load test	(0/1)
T 29 channel clamp(s) test	(0/1)
T 30 waveform table test	(0/1)
T 36 error-map test	(0/1)
T 31 device cycle test	(0/1)
T 32 driver-edge test	(0/1)
T 33 receiver-level test	(1/1)
T 34 comparator test	(0/1)
T 35 receiver-edge test	(0/1)
T 37 overview-error-map test	(0/1)
T 38 match loop test	(0/1)
T 39 break-waveform test	(0/1)
T 40 valid-cycle test	(0/1)
T 41 shifter test	(0/1)
T 42 dqueue test	(0/1)
T 43 mask test	(0/1)
T 44 stop-on-analyzer-delay test	(0/1)
T 45 stop-on-error test	(0/1)
T 46 fifo test	(0/1)
T 48 compressor test	(0/1)
T 52 digital capture test	(0/1)
T 54 Computer Intf. Card test	(0/1)
T 55 Control Board test	(0/1)
T 78 special ring test	(0/1)

PDIAG Di_interprete Sat Aug 8 15:36:00 2015
command=Q #

PDIAG exit at: Sat Aug 8 15:36:14 2015

di log file 2015.08.08

*** Diagnostics running on localhost.localdomain ***

PDIAG started at: Sat Aug 8 13:59:02 2015

DI: device period: 250

Firmware Revision: *IDN Firmware s/w rev. 6.1.2, 11-Sep-07

HW Configuration given by *OPT?

*OPT WZ_B,1,CNTR,1,1500,////////////////////////////////////
*OPT WZ_B,11,CLK,5,1501,4,////////////////////////////////////
*OPT WZ_B,11,AMC,15,1500,////////////////////////////////////

[illegible]

[illegible][illegible][illegible][illegible]

```
*OPT WZ B,2,PDPS,2,1410,42,GP,,GP,,GP,,GP,,,,,,,,,,,,,,,,,,,,,
```

```
*OPT WZ_B,4,PDPS,2,1510,11,GP,,GP,,GP,,GP,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
```

```
*OPT WZ_B,228,WDB,772,1205,21,0,1,8,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
```

```
*OPT WZ_B,232,WGA,516,1209,21,0,1,8,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
```

HWTY W,1024,SOC

Use default setting for compact test head!

#	Resource	Type	Assembly	S/N	Revision	FPGA	Rev
#:	1	SYST	n/a	jgROKSQRPGFMW82XxfcFeg	n/a		n/a
#:	1	CCG	n/a	10sR2giecY6iHqs701a7Ww	n/a		n/a
#:	2	CCG	n/a	DPp3NeOjfx7281Fa5EGDKM	n/a		n/a
#:	3	CCG	n/a	bs9DcRPRReH1aUvNnWB7yVM	n/a		n/a
#:	4	CCG	n/a	BinKfaRheU7fyldp1d5Dq0	n/a		n/a
#:	5	CCG	n/a	Id2hjIIsXtUiYOUfSsrdm	n/a		n/a
#:	6	CCG	n/a	er9caiy32VAQMrkZVQ9s6M	n/a		n/a
#:	7	CCG	n/a	_SbfomfqdX8DoLkyhXIVRw	n/a		n/a
#:	8	CCG	n/a	vH2tbeULxpVkke51HYoMJw	n/a		n/a
#:	1	CICD	E6978-66442	JP-13647		101	
#:	11	CTRL	E6978-66424	SL-2749		4135	
#:	12	CTRL	E6978-66472	SL-2281		4122	
#:	11	CLK	E6978-66415	SL-5941		4114	
#:	12	CLK	E6978-66515	SL-4806		4114	
#:	21	CTRL	E6978-66424	SL-6103		4135	
#:	22	CTRL	E6978-66472	SL-2274		4122	
#:	21	CLK	E6978-66515	SL-4370		4114	
#:	22	CLK	E6978-66515	SL-4253		4114	
#:	31	CTRL	E6978-68527	79-13175		102	
#:	32	CTRL	E6978-66472	SL-2300		4122	
#:	31	CLK	E6978-66415	SL-5954		4114	
#:	32	CLK	E6978-66415	SL-5845		4114	
#:	41	CTRL	E6978-66424	SL-2570		4135	
#:	42	CTRL	E6978-66472	SL-2304		4122	
#:	41	CLK	E6978-66515	SL-2595		A4047	
#:	42	CLK	E6978-66415	SL-5899		4114	
#:	101	CHBD	E6996-66501	SL-10818		B4031	
#:	101	REL	E6996-66413	SL-11328		C4112	
#:	1011	CHMO	E6996-86543	SI-6280		3838	
#:	10111	SDRM	E6997-66503	SL-30420		3714	
#:	10112	SDRM	E6997-66503	SL-30419		3714	
#:	1012	CHMO	E6996-86543	AC-26001		4025	
#:	10121	SDRM	E6997-66503	SL-30602		3714	
#:	10122	SDRM	E6997-66503	SL-30599		3714	
#:	1013	CHMO	E6996-86543	MB-2127		4011	
#:	10131	SDRM	E6997-66503	SL-30415		3714	
#:	10132	SDRM	E6997-66503	SL-30416		3714	
#:	1014	CHMO	E6996-86543	SI-8579		3838	
#:	10141	SDRM	E6997-66503	SL-30603		3714	
#:	10142	SDRM	E6997-66503	SL-30600		3714	

#: 102	CHBD	E6996-66401	SL-13738	B4112
#: 102	REL	E6996-66413	SL-14403	C4117
#: 1021	CHMO	E6996-86543	AC-6235	4024
#: 10211	SDRM	E6997-66404	79-333	100
#: 1022	CHMO	E6996-86543	MB-513	4011
#: 10221	SDRM	E6997-66404	79-4700	100
#: 1023	CHMO	E6996-86543	AC-6723	4024
#: 10231	SDRM	E6997-66404	79-4746	100
#: 1024	CHMO	E6996-86543	MB-2118	4011
#: 10241	SDRM	E6997-66404	79-483	100
#: 103	CHBD	E6996-66401	SL-14331	B4112
#: 103	REL	E6996-66413	SL-13733	C4117
#: 1031	CHMO	E6996-86543	AC-6028	4024
#: 10311	SDRM	E6997-66404	79-4700	100
#: 1032	CHMO	E6996-88543	MB-819	H4011
#: 10321	SDRM	E6997-66404	79-483	100
#: 1033	CHMO	E6996-86543	AC-9664	4024
#: 10331	SDRM	E6997-66404	79-333	100
#: 1034	CHMO	E6996-86543	AC-8452	4024
#: 10341	SDRM	E6997-66404	79-4746	100
#: 104	CHBD	E6996-66401	SL-10646	B4112
#: 104	REL	E6996-66413	SL-10539	C4112
#: 1041	CHMO	E6996-86543	SI-6514	3838
#: 10411	SDRM	E6997-66404	79-483	100
#: 1042	CHMO	E6996-86543	AC-27661	4025
#: 10421	SDRM	E6997-66404	79-4700	100
#: 1043	CHMO	E6996-86543	AC-27788	4025
#: 10431	SDRM	E6997-66404	79-4746	100
#: 1044	CHMO	E6996-86543	SI-8474	3838
#: 10441	SDRM	E6997-66404	79-333	100
#: 105	CHBD	E6996-66401	SL-13676	B4112
#: 105	REL	E6996-66413	SL-14335	C4117
#: 1051	CHMO	E6996-86543	AC-2849	4024
#: 10511	SDRM	E6997-66404	79-4746	100
#: 1052	CHMO	E6996-86543	AC-815	4024
#: 10521	SDRM	E6997-66404	79-4700	100
#: 1053	CHMO	E6996-86543	AC-1122	4024
#: 10531	SDRM	E6997-66404	79-483	100
#: 1054	CHMO	E6996-86543	AC-2111	4024
#: 10541	SDRM	E6997-66404	79-4746	100
#: 106	CHBD	E6996-66401	SL-14110	B4112
#: 106	REL	E6996-66413	SL-13189	C4117
#: 1061	CHMO	E6996-88543	SI-3064	F3838
#: 10611	SDRM	E6997-66404	79-4700	100
#: 1062	CHMO	E6996-86543	MM-22025	4107
#: 10621	SDRM	E6997-66404	79-483	100
#: 1063	CHMO	E6996-86543	MM-22027	4107
#: 10631	SDRM	E6997-66404	79-333	100
#: 1064	CHMO	E6996-86543	MM-21733	4107
#: 10641	SDRM	E6997-66404	79-4746	100
#: 107	CHBD	E6996-66401	SL-15253	B4112
#: 107	REL	E6996-66413	SL-13695	C4117
#: 1071	CHMO	E6996-86543	AC-4502	4024
#: 10711	SDRM	E6997-66404	79-483	100
#: 1072	CHMO	E6996-86543	AC-5049	4024
#: 10721	SDRM	E6997-66404	79-4700	100
#: 1073	CHMO	E6996-86543	AC-5958	4024
#: 10731	SDRM	E6997-66404	79-4746	100
#: 1074	CHMO	E6996-86543	AC-13909	4025
#: 10741	SDRM	E6997-66404	79-333	100
#: 108	CHBD	E6996-66401	SL-14140	B4112
#: 108	REL	E6996-66413	SL-13701	C4117
#: 1081	CHMO	E6996-86543	SI-6639	3838
#: 10811	SDRM	E6997-66404	79-4746	100
#: 1082	CHMO	E6996-86543	SI-7052	3838
#: 10821	SDRM	E6997-66404	79-4700	100
#: 1083	CHMO	E6996-86543	SI-5785	3838
#: 10831	SDRM	E6997-66404	79-333	100
#: 1084	CHMO	E6996-86543	SI-6579	3838
#: 10841	SDRM	E6997-66404	79-483	100

#: 109	CHBD	E6996-66401	SL-13718	B4112
#: 109	REL	E6996-66413	SL-14075	C4117
#: 1091	CHMO	E6996-86543	MM-19055	4107
#: 10911	SDRM	E6997-66404	79-4746	100
#: 1092	CHMO	E6996-86543	SI-8919	3838
#: 10921	SDRM	E6997-66404	79-333	100
#: 1093	CHMO	E6996-86543	SI-6721	3838
#: 10931	SDRM	E6997-66404	79-483	100
#: 1094	CHMO	E6996-86543	MB-2682	4011
#: 10941	SDRM	E6997-66404	79-4700	100
#: 110	CHBD	E6996-66501	SL-6631	B4031
#: 110	REL	E6996-68583	SL-10983	B4117
#: 1101	CHMO	E6996-86543	AC-28713	4044
#: 11011	SDRM	E6997-66404	79-4700	100
#: 1102	CHMO	E6996-86543	MM-12639	4011
#: 11021	SDRM	E6997-66404	79-483	100
#: 1103	CHMO	E6996-88543	AC-14021	4025
#: 11031	SDRM	E6997-66404	79-333	100
#: 1104	CHMO	E6996-86543	AC-28908	4044
#: 11041	SDRM	E6997-66404	79-4746	100
#: 111	CHBD	E6996-66401	SL-13778	B4112
#: 111	REL	E6996-66413	SL-14832	C4117
#: 1111	CHMO	E6996-86543	MB-2692	4011
#: 11111	SDRM	E6997-66404	79-4746	100
#: 1112	CHMO	E6996-88543	AC-3998	M4024
#: 11121	SDRM	E6997-66404	79-333	100
#: 1113	CHMO	E6996-86543	MM-10490	4011
#: 11131	SDRM	E6997-66404	79-483	100
#: 1114	CHMO	E6996-86543	MM-13735	4011
#: 11141	SDRM	E6997-66404	79-4700	100
#: 112	CHBD	E6996-66401	SL-12888	B4112
#: 112	REL	E6996-66413	SL-11144	C4112
#: 1121	CHMO	E6996-86543	SI-1835	3838
#: 11211	SDRM	E6997-66404	79-333	100
#: 1123	CHMO	E6996-86543	SI-2982	3838
#: 11231	SDRM	E6997-66404	79-4700	100
#: 1124	CHMO	E6996-86543	AC-12164	4025
#: 11241	SDRM	E6997-66404	79-483	100
#: 113	CHBD	E6996-66401	SL-12841	B4112
#: 113	REL	E6996-66413	SL-14090	C4117
#: 1131	CHMO	E6996-86543	SI-4819	3838
#: 11311	SDRM	E6997-66404	79-333	100
#: 1132	CHMO	E6996-86543	AC-4673	4024
#: 11321	SDRM	E6997-66404	79-4746	100
#: 1133	CHMO	E6996-86543	AC-8071	4024
#: 11331	SDRM	E6997-66404	79-4700	100
#: 1134	CHMO	E6996-86543	AC-21621	4025
#: 11341	SDRM	E6997-66404	79-483	100
#: 114	CHBD	E6996-68501	SL-10711	B4031
#: 114	REL	E6996-66513	SL-10686	C4112
#: 1141	CHMO	E6996-86543	MM-9286	4011
#: 11411	SDRM	E6997-66404	79-4700	100
#: 1142	CHMO	E6996-86543	SI-3506	3838
#: 11421	SDRM	E6997-66404	79-483	100
#: 1143	CHMO	E6996-88543	AC-24707	4025
#: 11431	SDRM	E6997-66404	79-333	100
#: 1144	CHMO	E6996-86543	SI-5102	3838
#: 11441	SDRM	E6997-66404	79-4746	100
#: 115	CHBD	E6996-66501	SL-10714	B4031
#: 115	REL	E6996-66513	SL-10390	C4117
#: 1151	CHMO	E6996-86543	AC-16215	4025
#: 11511	SDRM	E6997-66404	79-4700	100
#: 1152	CHMO	E6996-86543	MM-13619	4011
#: 11521	SDRM	E6997-66404	79-483	100
#: 1153	CHMO	E6996-86543	MM-13618	4011
#: 11531	SDRM	E6997-66404	79-333	100
#: 1154	CHMO	E6996-86543	AC-14286	4025
#: 11541	SDRM	E6997-66404	79-4746	100
#: 116	CHBD	E6996-66401	SL-14332	B4112
#: 116	REL	E6996-66413	SL-13745	C4117

#: 1161	CHMO	E6996-86543	AC-28380	4044
#: 11611	SDRM	E6997-66404	79-483	100
#: 1162	CHMO	E6996-86543	AC-8473	4024
#: 11621	SDRM	E6997-66404	79-4700	100
#: 1163	CHMO	E6996-86543	AC-11508	4025
#: 11631	SDRM	E6997-66404	79-4746	100
#: 1164	CHMO	E6996-86543	AC-5027	4024
#: 11641	SDRM	E6997-66404	79-333	100
#: 117	CHBD	E6996-66401	SL-13802	B4112
#: 117	REL	E6996-66413	SL-14320	C4117
#: 1171	CHMO	E6996-86543	AC-17017	4025
#: 11711	SDRM	E6997-66404	79-483	100
#: 1172	CHMO	E6996-86543	SI-6264	3838
#: 11721	SDRM	E6997-66404	79-333	100
#: 1173	CHMO	E6996-86543	SI-6298	3838
#: 11731	SDRM	E6997-66404	79-4746	100
#: 1174	CHMO	E6996-86543	SI-1699	3838
#: 11741	SDRM	E6997-66404	79-4700	100
#: 118	CHBD	E6996-66401	SL-15247	B4112
#: 118	REL	E6996-66413	SL-13725	C4117
#: 1181	CHMO	E6996-86543	AC-3718	4024
#: 11811	SDRM	E6997-66404	79-483	100
#: 1182	CHMO	E6996-86543	AC-11816	4025
#: 11821	SDRM	E6997-66404	79-4700	100
#: 1183	CHMO	E6996-86543	AC-6215	4024
#: 11831	SDRM	E6997-66404	79-4746	100
#: 1184	CHMO	E6996-86543	AC-3779	4024
#: 11841	SDRM	E6997-66404	79-333	100
#: 119	CHBD	E6996-66501	SL-13880	B4031
#: 119	REL	E6996-66413	SL-14442	C4117
#: 1191	CHMO	E6996-86543	AC-7635	4024
#: 11911	SDRM	E6997-66404	79-333	100
#: 1192	CHMO	E6996-86543	AC-21894	4025
#: 11921	SDRM	E6997-66404	79-483	100
#: 1193	CHMO	E6996-86543	AC-2847	4024
#: 11931	SDRM	E6997-66404	79-4700	100
#: 1194	CHMO	E6996-86543	AC-7547	4024
#: 11941	SDRM	E6997-66404	79-4746	100
#: 120	CHBD	E6996-66401	SL-13714	B4112
#: 120	REL	E6996-66413	SL-14128	C4117
#: 1201	CHMO	E6996-86543	AC-9855	4024
#: 12011	SDRM	E6997-66404	79-333	100
#: 1202	CHMO	E6996-86543	AC-2699	4024
#: 12021	SDRM	E6997-66404	79-4700	100
#: 1203	CHMO	E6996-86543	AC-5261	4024
#: 12031	SDRM	E6997-66404	79-333	100
#: 1204	CHMO	E6996-86543	AC-1350	4024
#: 12041	SDRM	E6997-66404	79-483	100
#: 121	CHBD	E6996-66401	SL-13573	B4112
#: 121	REL	E6996-66413	SL-13660	C4117
#: 1211	CHMO	E6996-86543	MB-964	4011
#: 12111	SDRM	E6997-66404	79-483	100
#: 1212	CHMO	E6996-86543	MM-11443	4011
#: 12121	SDRM	E6997-66404	79-4700	100
#: 1213	CHMO	E6996-86543	SI-3797	3838
#: 12131	SDRM	E6997-66404	79-4746	100
#: 1214	CHMO	E6996-86543	SI-4457	3838
#: 12141	SDRM	E6997-66404	79-333	100
#: 122	CHBD	E6996-66401	SL-13852	B4112
#: 122	REL	E6996-66413	SL-14143	C4117
#: 1221	CHMO	E6996-86543	AC-1035	4024
#: 12211	SDRM	E6997-66404	79-4746	100
#: 1222	CHMO	E6996-86543	AC-1772	4024
#: 12221	SDRM	E6997-66404	79-483	100
#: 1223	CHMO	E6996-86543	AC-27659	4025
#: 12231	SDRM	E6997-66404	79-333	100
#: 1224	CHMO	E6996-86543	AC-21901	4025
#: 12241	SDRM	E6997-66404	79-4700	100
#: 123	CHBD	E6996-66401	SL-14483	B4112
#: 123	REL	E6996-66413	SL-13679	C4117

#: 1231	CHMO	E6996-86543	AC-3789	4024
#: 12311	SDRM	E6997-66404	79-4746	100
#: 1232	CHMO	E6996-86543	AC-11992	4025
#: 12321	SDRM	E6997-66404	79-333	100
#: 1233	CHMO	E6996-86543	AC-3776	4024
#: 12331	SDRM	E6997-66404	79-483	100
#: 1234	CHMO	E6996-86543	AC-14559	4025
#: 12341	SDRM	E6997-66404	79-4700	100
#: 124	CHBD	E6996-66401	SL-12892	B4112
#: 124	REL	E6996-66413	SL-14106	C4117
#: 1241	CHMO	E6996-86543	AC-1551	4024
#: 12411	SDRM	E6997-66404	79-483	100
#: 1242	CHMO	E6996-86543	AC-23410	4025
#: 12421	SDRM	E6997-66404	79-4700	100
#: 1243	CHMO	E6996-86543	AC-12085	4025
#: 12431	SDRM	E6997-66404	79-4746	100
#: 1244	CHMO	E6996-86543	AC-16007	4025
#: 12441	SDRM	E6997-66404	79-333	100
#: 1	PDPS	E7002-66411	SL-2854	C4203
#: 11	PDCH	E7002-66412	SL-8475	C4150
#: 12	PDCH	E7002-66412	SL-8473	C4150
#: 13	PDCH	E7002-66412	SL-8425	C4150
#: 14	PDCH	E7002-66412	SL-8366	C4150
#: 2	PDPS	E7002-66411	SL-2127	C4050
#: 21	PDCH	E7002-66412	SL-8378	C4150
#: 22	PDCH	E7002-66412	SL-8446	C4150
#: 23	PDCH	E7002-66412	SL-8293	C4150
#: 24	PDCH	E7002-66412	SL-8450	C4150
#: 3	PDPS	E7002-66411	SL-4936	C4203
#: 31	PDCH	E7002-66412	SL-6373	C3936
#: 32	PDCH	E7002-66412	SL-5178	C3936
#: 33	PDCH	E7002-66412	SL-2970	C3936
#: 34	PDCH	E7002-66412	SL-5489	C3936
#: 4	PDPS	E7002-68591	SL-1198	C4050
#: 41	PDCH	E7002-66412	SL-6166	C3936
#: 42	PDCH	E7002-66412	SL-2867	C3936
#: 43	PDCH	E7002-66412	SL-2092	C3936
#: 44	PDCH	E7002-66412	SL-2843	C3936
#: 227	WDA	E9684-61051	AT-270	A4121
#: 228	WDB	E9686-61051	AT-301	B4115
#: 232	WGA	E9685-61051	AT-173	A4036

RS232 Device: /dev/usb/ttyUSB0

Di_RS232_init: open devicefile failed errno=19

Check Permission for Path and Devicefile /dev/usb/ttyUSB0

Low level diagnostic tests disabled because of RS232 initialization errors above

If you are using an USB->RS232 converter please check if device is plugged in correctly

PDIAG Di_interprete Sat Aug 8 14:00:06 2015

command=C

PDIAG Di_interprete Sat Aug 8 14:00:59 2015

command=L /var/opt/hp93000/soc/diagnostic/di_conf

Diagnostics is running NORMAL.

PDIAG Di_interprete Sat Aug 8 14:00:59 2015

command=T

* testing channels 10901 to 11116

* testing channels 11301 to 11616

* testing ctrl bd. 11

* testing ctrl bd. 21

* testing ctrl bd. 31

* testing ctrl bd. 41

* testing clk bd. 11

* testing clk bd. 12

* testing clk bd. 21

* testing clk bd. 22

* testing clk bd. 31

* testing clk bd. 32

* testing clk bd. 41
* testing clk bd. 42
* testing dps bd. 1
* testing dps bd. 2
* testing dps bd. 3
* testing dps bd. 4
* testing WDA bd. 227
* testing WDB bd. 228
* testing WGA bd. 232

Diagnostic Run 1 executed at: Sat Aug 8 14:01:24 2015

Installed DUT Board "No DUT-Board"!

T 4 (PLT):clock generation test	(100.00ns)
PASSED	
T 5 (PLT):sys-pmu 1 test	(100.00ns)
PASSED	
T 6 (DIG):board voltage test	(100.00ns)
PASSED	
T 7 (DIG):single-select test	(100.00ns)
PASSED	
T 8 (DIG):common-select test	(100.00ns)
PASSED	
T 9 (DIG):vector edit test	(100.00ns)
PASSED	
T 10 (DIG):SRAM-memory test	(100.00ns)
PASSED	
T 11 (DIG):ERMP-memory test	(100.00ns)
PASSED	
T 12 (DIG):OVEM-memory test	(100.00ns)
PASSED	
T 13 (DIG):SDRAM-memory test	(100.00ns)
PASSED	
T 14 (DIG):set-register test	(100.00ns)
PASSED	
T 15 (DIG):start/stop-sequencer test	(100.00ns)
PASSED	
T 16 (PLT):clock ring test	(100.00ns)
PASSED	
T 17 (PLT):mclk phase test	(100.00ns)
PASSED	
T 18 (PLT):external start test	(100.00ns)
PASSED	
T 19 (DIG):continuity & badc test	(100.00ns)
PASSED	
T 20 (DIG):chip output test	(100.00ns)
PASSED	
T 21 (DIG):pass/fail test	(100.00ns)
PASSED	
T 22 (DIG):sdram addr test	(100.00ns)
PASSED	
T 23 (DIG):pin pmu source/sink test	(100.00ns)
PASSED	
T 24 (DIG):driver tristate test	(100.00ns)
PASSED	
T 25 (DIG):relay test	(100.00ns)
PASSED	
T 26 (DIG):driver-level test	(100.00ns)
PASSED	
T 27 (DIG):pin pmu pass/fail test	(100.00ns)
PASSED	
T 28 (DIG):active-load test	(100.00ns)
PASSED	
T 29 (DIG):channel clamp(s) test	(100.00ns)
PASSED	
T 30 (DIG):waveform table test	(100.00ns)
PASSED	
T 36 (DIG):error-map test	(100.00ns)
PASSED	
T 31 (DIG):device cycle test	(100.00ns)

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    PASSED
T 32 (DIG):driver-edge test                (100.00ns)
    PASSED
T 33 (DIG):receiver-level test              (100.00ns)
    PASSED
T 34 (DIG):comparator test                 (100.00ns)
    PASSED
T 35 (DIG):receiver-edge test              (100.00ns)
    PASSED
T 37 (DIG):overview-error-map test         (100.00ns)
    PASSED
T 38 (DIG):match loop test                 (100.00ns)
    PASSED
T 39 (DIG):break-waveform test             (100.00ns)
    PASSED
T 40 (DIG):valid-cycle test                (100.00ns)
    PASSED
T 41 (DIG):shifter test                    (100.00ns)
    PASSED
T 42 (DIG):dqueue test                     (100.00ns)
    PASSED
T 43 (DIG):mask test                       (100.00ns)
    PASSED
T 44 (DIG):stop-on-analyzer-delay test     (100.00ns)
    PASSED
T 45 (DIG):stop-on-error test              (100.00ns)
    PASSED
T 46 (DIG):fifo test                       (100.00ns)
    PASSED
T 48 (PLT):compressor test                 (100.00ns)
WARNING: no channel found for compressor test small in TH=1 cseg=1
WARNING: no channel found for compressor test small in TH=1 cseg=2
WARNING: no channel found for compressor test small in TH=1 cseg=3
WARNING: no channel found for large compressor test in TH=1 cseg=1
WARNING: no channel found for large compressor test in TH=1 cseg=2
WARNING: no channel found for large compressor test in TH=1 cseg=3
    PASSED
T 50 (ADD):device power supply test        (100.00ns)
    PASSED
T 52 (DIG):digital capture test            (100.00ns)
    PASSED
T 54 (PLT):Computer Intf. Card test        (100.00ns)
    PASSED
T 55 (PLT):Control Board test              (100.00ns)

WARNING: no channel found for backplane burst test in TH=1 cseg=1

WARNING: no channel found for backplane burst test in TH=1 cseg=2

WARNING: no channel found for backplane burst test in TH=1 cseg=3
    PASSED
T 78 (PLT):special ring test               (100.00ns)
This test ignores the current clock board selection!
(Reason: testing of the signal distribution via wiring board)

10MHz ring test:
All clock boards with date code 4008 and younger will be tested
and the others will be ignored!

MCLK_ON ring test:
If the passive Control board has a date code older than 4013
then the clock board in this cardcage can not be tested
and will be ignored!

Only clock boards in cardcages with active control boards can
be used as 'sender' clock boards (all can be used as 'receiver'
clock boards)!

Testing date code of all clock boards:
Ctrl 11: 4135    ->   OK

```

```

Clk  11: 4114  ->  OK
Ctrl 12: 4122  ->  OK
Clk  12: 4114  ->  OK
Ctrl 21: 4135  ->  OK
Clk  21: 4114  ->  OK
Ctrl 22: 4122  ->  OK
Clk  22: 4114  ->  OK
Ctrl 31: 102   ->  OK
Clk  31: 4114  ->  OK
Ctrl 32: 4122  ->  OK
Clk  32: 4114  ->  OK
Ctrl 41: 4135  ->  OK
Clk  41: 4047  ->  OK
Ctrl 42: 4122  ->  OK
Clk  42: 4114  ->  OK

```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P		P		P		P	
	Clk12	P		P		P		P	
	Clk21	P		P		P		P	
	Clk22	P		P		P		P	
	Clk31	P		P		P		P	
	Clk32	P		P		P		P	
	Clk41	P		P		P		P	
	Clk42	P		P		P		P	

PASSED

Times [sec]: Total:1622.6 Precal:0.0 Tests:308.7 FW:1313.9

Diagnostic finished

Diagnostic finished at: Sat Aug 8 14:28:19 2015

Overall diagnostic result: PASSED

Test Summary (Failed/Executed):

T 4 clock generation test	(0/1)
T 5 sys-pmu 1 test	(0/1)
T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)

T 13	SDRAM-memory test	(0/1)
T 14	set-register test	(0/1)
T 15	start/stop-sequencer test	(0/1)
T 16	clock ring test	(0/1)
T 17	mclk phase test	(0/1)
T 18	external start test	(0/1)
T 19	continuity & badc test	(0/1)
T 20	chip output test	(0/1)
T 21	pass/fail test	(0/1)
T 22	sdram addr test	(0/1)
T 23	pin pmu source/sink test	(0/1)
T 24	driver tristate test	(0/1)
T 25	relay test	(0/1)
T 26	driver-level test	(0/1)
T 27	pin pmu pass/fail test	(0/1)
T 28	active-load test	(0/1)
T 29	channel clamp(s) test	(0/1)
T 30	waveform table test	(0/1)
T 36	error-map test	(0/1)
T 31	device cycle test	(0/1)
T 32	driver-edge test	(0/1)
T 33	receiver-level test	(0/1)
T 34	comparator test	(0/1)
T 35	receiver-edge test	(0/1)
T 37	overview-error-map test	(0/1)
T 38	match loop test	(0/1)
T 39	break-waveform test	(0/1)
T 40	valid-cycle test	(0/1)
T 41	shifter test	(0/1)
T 42	dqueue test	(0/1)
T 43	mask test	(0/1)
T 44	stop-on-analyzer-delay test	(0/1)
T 45	stop-on-error test	(0/1)
T 46	fifo test	(0/1)
T 48	compressor test	(0/1)
T 50	device power supply test	(0/1)
T 52	digital capture test	(0/1)
T 54	Computer Intf. Card test	(0/1)
T 55	Control Board test	(0/1)
T 78	special ring test	(0/1)

PDIAG Di_interprete Sat Aug 8 14:28:48 2015
command=Q #

PDIAG exit at: Sat Aug 8 14:29:01 2015

di log file 2015.08.08

*** Diagnostics running on localhost.localdomain ***

PDIAG started at: Sat Aug 8 10:36:25 2015

DI: device period: 250

Firmware Revision: *IDN Firmware s/w rev. 6.1.2, 11-Sep-07

HW Configuration given by *OPT?
 *OPT WZ_B,1,CNTR,1,1500,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,11,CLK,5,1501,4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,11,AMC,15,1500,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,12,CLK,5,1101,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,2,CNTR,1,1200,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,21,CLK,5,1201,2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,22,CLK,5,1601,3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,3,CNTR,1,1300,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,31,CLK,5,1301,6,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 *OPT WZ_B,32,CLK,5,1701,7,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

#: 1	CCG	n/a	-T_hZ90R89Qiuo2dpzy8cw	n/a	n/a
#: 2	CCG	n/a	DPp3NeOjfx7281Fa5EGDKM	n/a	n/a
#: 3	CCG	n/a	bs9DcRPRReHlaUvNnWB7yVM	n/a	n/a
#: 4	CCG	n/a	2LkpJc-81PzKVhdKDRCC50	n/a	n/a
#: 5	CCG	n/a	Id2hjIIsXtUiYOUfSsrddM	n/a	n/a
#: 6	CCG	n/a	er9caiy32VAQMrkZVQ9s6M	n/a	n/a
#: 7	CCG	n/a	_SbfomfqdX8DoLkyhXIVRw	n/a	n/a
#: 8	CCG	n/a	vH2tbeULxpVkze51HYoMJw	n/a	n/a
#: 1	CICD	E6978-66442	JP-13647	101	
#: 11	CTRL	E6978-66424	SL-2749	4135	
#: 12	CTRL	E6978-66472	SL-2281	4122	
#: 11	CLK	E6978-66415	SL-5941	4114	
#: 12	CLK	E6978-66515	SL-4806	4114	
#: 21	CTRL	E6978-66424	SL-6103	4135	
#: 22	CTRL	E6978-66472	SL-2274	4122	
#: 21	CLK	E6978-66515	SL-4370	4114	
#: 22	CLK	E6978-66515	SL-4253	4114	
#: 31	CTRL	E6978-68527	79-13175	102	
#: 32	CTRL	E6978-66472	SL-2300	4122	
#: 31	CLK	E6978-66415	SL-5954	4114	
#: 32	CLK	E6978-66415	SL-5845	4114	
#: 41	CTRL	E6978-66424	SL-2570	4135	
#: 42	CTRL	E6978-66472	SL-2304	4122	
#: 41	CLK	E6978-66515	SL-2595	A4047	
#: 42	CLK	E6978-66415	SL-5899	4114	
#: 101	CHBD	E6996-66501	SL-10818	B4031	
#: 101	REL	E6996-66413	SL-11328	C4112	
#: 1011	CHMO	E6996-86543	SI-6280	3838	
#: 10111	SDRM	E6997-66503	SL-30420	3714	
#: 10112	SDRM	E6997-66503	SL-30419	3714	
#: 1012	CHMO	E6996-86543	AC-26001	4025	
#: 10121	SDRM	E6997-66503	SL-30602	3714	
#: 10122	SDRM	E6997-66503	SL-30599	3714	
#: 1013	CHMO	E6996-86543	MB-2127	4011	
#: 10131	SDRM	E6997-66503	SL-30415	3714	
#: 10132	SDRM	E6997-66503	SL-30416	3714	
#: 1014	CHMO	E6996-86543	SI-8579	3838	
#: 10141	SDRM	E6997-66503	SL-30603	3714	
#: 10142	SDRM	E6997-66503	SL-30600	3714	
#: 102	CHBD	E6996-66401	SL-13738	B4112	
#: 102	REL	E6996-66413	SL-14403	C4117	
#: 1021	CHMO	E6996-86543	AC-6235	4024	
#: 10211	SDRM	E6997-66404	79-333	100	
#: 1022	CHMO	E6996-86543	MB-513	4011	
#: 10221	SDRM	E6997-66404	79-4700	100	
#: 1023	CHMO	E6996-86543	AC-6723	4024	
#: 10231	SDRM	E6997-66404	79-4746	100	
#: 1024	CHMO	E6996-86543	MB-2118	4011	
#: 10241	SDRM	E6997-66404	79-483	100	
#: 103	CHBD	E6996-66401	SL-14331	B4112	
#: 103	REL	E6996-66413	SL-13733	C4117	
#: 1031	CHMO	E6996-86543	AC-6028	4024	
#: 10311	SDRM	E6997-66404	79-4700	100	
#: 1032	CHMO	E6996-88543	MB-819	H4011	
#: 10321	SDRM	E6997-66404	79-483	100	
#: 1033	CHMO	E6996-86543	AC-9664	4024	
#: 10331	SDRM	E6997-66404	79-333	100	
#: 1034	CHMO	E6996-86543	AC-8452	4024	
#: 10341	SDRM	E6997-66404	79-4746	100	
#: 104	CHBD	E6996-66401	SL-10646	B4112	
#: 104	REL	E6996-66413	SL-10539	C4112	
#: 1041	CHMO	E6996-86543	SI-6514	3838	
#: 10411	SDRM	E6997-66404	79-483	100	
#: 1042	CHMO	E6996-86543	AC-27661	4025	
#: 10421	SDRM	E6997-66404	79-4700	100	
#: 1043	CHMO	E6996-86543	AC-27788	4025	
#: 10431	SDRM	E6997-66404	79-4746	100	
#: 1044	CHMO	E6996-86543	SI-8474	3838	
#: 10441	SDRM	E6997-66404	79-333	100	
#: 105	CHBD	E6996-66401	SL-13676	B4112	

#: 105	REL	E6996-66413	SL-14335	C4117
#: 1051	CHMO	E6996-86543	AC-2849	4024
#: 10511	SDRM	E6997-66404	79-4746	100
#: 1052	CHMO	E6996-86543	AC-815	4024
#: 10521	SDRM	E6997-66404	79-4700	100
#: 1053	CHMO	E6996-86543	AC-1122	4024
#: 10531	SDRM	E6997-66404	79-483	100
#: 1054	CHMO	E6996-86543	AC-2111	4024
#: 10541	SDRM	E6997-66404	79-4746	100
#: 106	CHBD	E6996-66401	SL-14110	B4112
#: 106	REL	E6996-66413	SL-13189	C4117
#: 1061	CHMO	E6996-88543	SI-3064	F3838
#: 10611	SDRM	E6997-66404	79-4700	100
#: 1062	CHMO	E6996-86543	MM-22025	4107
#: 10621	SDRM	E6997-66404	79-483	100
#: 1063	CHMO	E6996-86543	MM-22027	4107
#: 10631	SDRM	E6997-66404	79-333	100
#: 1064	CHMO	E6996-86543	MM-21733	4107
#: 10641	SDRM	E6997-66404	79-4746	100
#: 107	CHBD	E6996-66401	SL-15253	B4112
#: 107	REL	E6996-66413	SL-13695	C4117
#: 1071	CHMO	E6996-86543	AC-4502	4024
#: 10711	SDRM	E6997-66404	79-483	100
#: 1072	CHMO	E6996-86543	AC-5049	4024
#: 10721	SDRM	E6997-66404	79-4700	100
#: 1073	CHMO	E6996-86543	AC-5958	4024
#: 10731	SDRM	E6997-66404	79-4746	100
#: 1074	CHMO	E6996-86543	AC-13909	4025
#: 10741	SDRM	E6997-66404	79-333	100
#: 108	CHBD	E6996-66401	SL-14140	B4112
#: 108	REL	E6996-66413	SL-13701	C4117
#: 1081	CHMO	E6996-86543	SI-6639	3838
#: 10811	SDRM	E6997-66404	79-4746	100
#: 1082	CHMO	E6996-86543	SI-7052	3838
#: 10821	SDRM	E6997-66404	79-4700	100
#: 1083	CHMO	E6996-86543	SI-5785	3838
#: 10831	SDRM	E6997-66404	79-333	100
#: 1084	CHMO	E6996-86543	SI-6579	3838
#: 10841	SDRM	E6997-66404	79-483	100
#: 109	CHBD	E6996-66401	SL-14471	B4112
#: 109	REL	E6996-66413	SL-14391	C4117
#: 1091	CHMO	E6996-86543	AC-27537	4025
#: 10911	SDRM	E6997-66403	SL-50093	4050
#: 1092	CHMO	E6996-86543	AC-28612	4044
#: 10921	SDRM	E6997-66403	SL-50081	4050
#: 1093	CHMO	E6996-86543	AC-27786	4025
#: 10931	SDRM	E6997-66403	SL-50077	4050
#: 1094	CHMO	E6996-86543	AC-27544	4025
#: 10941	SDRM	E6997-66403	SL-50078	4050
#: 110	CHBD	E6996-66401	SL-13677	B4112
#: 110	REL	E6996-66413	SL-14392	C4117
#: 1101	CHMO	E6996-86543	AC-3617	4024
#: 11011	SDRM	E6997-66403	SL-48814	4050
#: 1102	CHMO	E6996-86543	AC-9875	4025
#: 11021	SDRM	E6997-66403	SL-48813	4050
#: 1103	CHMO	E6996-86543	AC-7963	4024
#: 11031	SDRM	E6997-66403	SL-48817	4050
#: 1104	CHMO	E6996-86543	AC-6693	4024
#: 11041	SDRM	E6997-66403	SL-48815	4050
#: 111	CHBD	E6996-66401	SL-12928	B4112
#: 111	REL	E6996-66413	SL-14050	C4117
#: 1111	CHMO	E6996-86543	AC-9957	4025
#: 11111	SDRM	E6997-66403	SL-50012	4050
#: 1112	CHMO	E6996-86543	AC-10126	4025
#: 11121	SDRM	E6997-66403	SL-50010	4050
#: 1113	CHMO	E6996-86543	AC-10169	4025
#: 11131	SDRM	E6997-66403	SL-50009	4050
#: 1114	CHMO	E6996-86543	AC-10027	4025
#: 11141	SDRM	E6997-66403	SL-50021	4050
#: 112	CHBD	E6996-66501	SL-11292	B4031

#: 112	REL	E6996-66413	SL-10440	C4112
#: 1121	CHMO	E6996-86543	AC-25492	4025
#: 11211	SDRM	E6997-66503	SL-29851	3714
#: 1122	CHMO	E6996-86543	AC-25488	4025
#: 11221	SDRM	E6997-66503	SL-29854	3714
#: 1123	CHMO	E6996-86543	AC-11352	4025
#: 11231	SDRM	E6997-66503	SL-37867	3714
#: 1124	CHMO	E6996-86543	AC-25493	4025
#: 11241	SDRM	E6997-66503	SL-29855	3714
#: 113	CHBD	E6996-66401	SL-13719	B4112
#: 113	REL	E6996-66413	SL-14330	C4117
#: 1131	CHMO	E6996-86543	AC-7361	4024
#: 11311	SDRM	E6997-66403	SL-51279	4050
#: 1132	CHMO	E6996-86543	MM-10797	4011
#: 11321	SDRM	E6997-66403	SL-51189	4050
#: 1133	CHMO	E6996-86543	AC-2792	4024
#: 11331	SDRM	E6997-66403	SL-51172	4050
#: 1134	CHMO	E6996-86543	SI-7644	3838
#: 11341	SDRM	E6997-66403	SL-51323	4050
#: 114	CHBD	E6996-68501	SL-10711	B4031
#: 114	REL	E6996-66513	SL-10686	C4112
#: 1141	CHMO	E6996-86543	MM-9286	4011
#: 11411	SDRM	E6997-66403	SL-43938	4050
#: 1142	CHMO	E6996-86543	SI-3506	3838
#: 11421	SDRM	E6997-66403	SL-43919	4050
#: 1143	CHMO	E6996-88543	AC-24707	4025
#: 11431	SDRM	E6997-66403	SL-44112	4050
#: 1144	CHMO	E6996-86543	SI-5102	3838
#: 11441	SDRM	E6997-66403	SL-45011	4050
#: 115	CHBD	E6996-66501	SL-10714	B4031
#: 115	REL	E6996-66513	SL-10390	C4117
#: 1151	CHMO	E6996-86543	AC-16215	4025
#: 11511	SDRM	E6997-66503	SL-24239	3714
#: 1152	CHMO	E6996-86543	MM-13619	4011
#: 11521	SDRM	E6997-66503	SL-24246	3714
#: 1153	CHMO	E6996-86543	MM-13618	4011
#: 11531	SDRM	E6997-66503	SL-14321	3714
#: 1154	CHMO	E6996-86543	AC-14286	4025
#: 11541	SDRM	E6997-66503	SL-18848	3714
#: 116	CHBD	E6996-66401	SL-14332	B4112
#: 116	REL	E6996-66413	SL-13745	C4117
#: 1161	CHMO	E6996-86543	AC-28380	4044
#: 11611	SDRM	E6997-66403	SL-50056	4050
#: 1162	CHMO	E6996-86543	AC-8473	4024
#: 11621	SDRM	E6997-66403	SL-50053	4050
#: 1163	CHMO	E6996-86543	AC-11508	4025
#: 11631	SDRM	E6997-66403	SL-50059	4050
#: 1164	CHMO	E6996-86543	AC-5027	4024
#: 11641	SDRM	E6997-66403	SL-50068	4050
#: 1	PDPS	E7002-66411	SL-2854	C4203
#: 11	PDCH	E7002-66412	SL-8475	C4150
#: 12	PDCH	E7002-66412	SL-8473	C4150
#: 13	PDCH	E7002-66412	SL-8425	C4150
#: 14	PDCH	E7002-66412	SL-8366	C4150
#: 2	PDPS	E7002-66411	SL-2127	C4050
#: 21	PDCH	E7002-66412	SL-8378	C4150
#: 22	PDCH	E7002-66412	SL-8446	C4150
#: 23	PDCH	E7002-66412	SL-8293	C4150
#: 24	PDCH	E7002-66412	SL-8450	C4150
#: 3	PDPS	E7002-66411	SL-4936	C4203
#: 31	PDCH	E7002-66412	SL-6373	C3936
#: 32	PDCH	E7002-66412	SL-5178	C3936
#: 33	PDCH	E7002-66412	SL-2970	C3936
#: 34	PDCH	E7002-66412	SL-5489	C3936
#: 4	PDPS	E7002-68591	SL-1198	C4050
#: 41	PDCH	E7002-66412	SL-6166	C3936
#: 42	PDCH	E7002-66412	SL-2867	C3936
#: 43	PDCH	E7002-66412	SL-2092	C3936
#: 44	PDCH	E7002-66412	SL-2843	C3936
#: 227	WDA	E9684-61051	AT-270	A4121

```
#: 228      WDB      E9686-61051  AT-301      B4115
#: 232      WGA      E9685-61051  AT-173      A4036
```

```
RS232 Device: /dev/usb/ttyUSB0
Di_RS232_init: open devicefile failed errno=19
Check Permission for Path and Devicefile /dev/usb/ttyUSB0
Low level diagnostic tests disabled because of RS232 initialization errors above
If you are using an USB->RS232 converter please check if device is plugged in correctly
```

```
PDIAG Di_interprete Sat Aug  8 10:36:45 2015
command=C
```

```
PDIAG Di_interprete Sat Aug  8 10:37:14 2015
command=L /var/opt/hp93000/soc/diagnostic/di_conf
Diagnostics is running NORMAL.
```

```
PDIAG Di_interprete Sat Aug  8 10:37:14 2015
command=T
```

```
* testing channels 10101 to 10816
* testing ctrl bd.  11
* testing ctrl bd.  21
* testing ctrl bd.  31
* testing ctrl bd.  41
* testing clk bd.   11
* testing clk bd.   12
* testing clk bd.   21
* testing clk bd.   22
* testing clk bd.   31
* testing clk bd.   32
* testing clk bd.   41
* testing dps bd.   1
* testing dps bd.   2
* testing dps bd.   3
* testing dps bd.   4
* testing WDA bd.   227
* testing WDB bd.   228
* testing WGA bd.   232
```

```
### Diagnostic Run 1 executed at: Sat Aug  8 10:37:36 2015
```

```
# Installed DUT Board "No DUT-Board"!
```

```
T 4 (PLT):clock generation test      (100.00ns)
    PASSED
T 5 (PLT):sys-pmu 1 test              (100.00ns)
    PASSED
T 6 (DIG):board voltage test          (100.00ns)
    PASSED
T 7 (DIG):single-select test          (100.00ns)
    PASSED
T 8 (DIG):common-select test          (100.00ns)
    PASSED
T 9 (DIG):vector edit test            (100.00ns)
    PASSED
T 10 (DIG):SRAM-memory test           (100.00ns)
    PASSED
T 11 (DIG):ERMP-memory test           (100.00ns)
    PASSED
T 12 (DIG):OVEM-memory test           (100.00ns)
    PASSED
T 13 (DIG):SDRAM-memory test          (100.00ns)
    PASSED
T 14 (DIG):set-register test          (100.00ns)
    PASSED
T 15 (DIG):start/stop-sequencer test  (100.00ns)
    PASSED
T 16 (PLT):clock ring test            (100.00ns)
    PASSED
T 17 (PLT):mclk phase test            (100.00ns)
    PASSED
```

T 18 (PLT):external start test	(100.00ns)
PASSED	
T 19 (DIG):continuity & badc test	(100.00ns)
PASSED	
T 20 (DIG):chip output test	(100.00ns)
PASSED	
T 21 (DIG):pass/fail test	(100.00ns)
PASSED	
T 22 (DIG):sdram addr test	(100.00ns)
PASSED	
T 23 (DIG):pin pmu source/sink test	(100.00ns)
PASSED	
T 24 (DIG):driver tristate test	(100.00ns)
PASSED	
T 25 (DIG):relay test	(100.00ns)
PASSED	
T 26 (DIG):driver-level test	(100.00ns)
PASSED	
T 27 (DIG):pin pmu pass/fail test	(100.00ns)
PASSED	
T 28 (DIG):active-load test	(100.00ns)
PASSED	
T 29 (DIG):channel clamp(s) test	(100.00ns)
PASSED	
T 30 (DIG):waveform table test	(100.00ns)
PASSED	
T 36 (DIG):error-map test	(100.00ns)
PASSED	
T 31 (DIG):device cycle test	(100.00ns)
PASSED	
T 32 (DIG):driver-edge test	(100.00ns)
PASSED	
T 33 (DIG):receiver-level test	(100.00ns)
PASSED	
T 34 (DIG):comparator test	(100.00ns)
PASSED	
T 35 (DIG):receiver-edge test	(100.00ns)
PASSED	
T 37 (DIG):overview-error-map test	(100.00ns)
PASSED	
T 38 (DIG):match loop test	(100.00ns)
PASSED	
T 39 (DIG):break-waveform test	(100.00ns)
PASSED	
T 40 (DIG):valid-cycle test	(100.00ns)
PASSED	
T 41 (DIG):shifter test	(100.00ns)
PASSED	
T 42 (DIG):dqueue test	(100.00ns)
PASSED	
T 43 (DIG):mask test	(100.00ns)
PASSED	
T 44 (DIG):stop-on-analyzer-delay test	(100.00ns)
PASSED	
T 45 (DIG):stop-on-error test	(100.00ns)
PASSED	
T 46 (DIG):fifo test	(100.00ns)
PASSED	
T 48 (PLT):compressor test	(100.00ns)
WARNING: no channel found for compressor test small in TH=1 cseg=1	
WARNING: no channel found for compressor test small in TH=1 cseg=2	
WARNING: no channel found for compressor test small in TH=1 cseg=4	
WARNING: no channel found for large compressor test in TH=1 cseg=1	
WARNING: no channel found for large compressor test in TH=1 cseg=2	
WARNING: no channel found for large compressor test in TH=1 cseg=4	
PASSED	
T 50 (ADD):device power supply test	(100.00ns)
PASSED	
T 52 (DIG):digital capture test	(100.00ns)
PASSED	

```

T 54 (PLT):Computer Intf. Card test          (100.00ns)
      PASSED
T 55 (PLT):Control Board test                (100.00ns)

WARNING: no channel found for backplane burst test in TH=1 cseg=1

WARNING: no channel found for backplane burst test in TH=1 cseg=2

WARNING: no channel found for backplane burst test in TH=1 cseg=4
      PASSED
T 78 (PLT):special ring test                  (100.00ns)
This test ignores the current clock board selection!
(Reason: testing of the signal distribution via wiring board)

```

10MHz ring test:
All clock boards with date code 4008 and younger will be tested
and the others will be ignored!

MCLK_ON ring test:
If the passive Control board has a date code older than 4013
then the clock board in this cardcage can not be tested
and will be ignored!

Only clock boards in cardcages with active control boards can
be used as 'sender' clock boards (all can be used as 'receiver'
clock boards)!

Testing date code of all clock boards:

```

Ctrl 11: 4135  ->  OK
Clk  11: 4114  ->  OK
Ctrl 12: 4122  ->  OK
Clk  12: 4114  ->  OK
Ctrl 21: 4135  ->  OK
Clk  21: 4114  ->  OK
Ctrl 22: 4122  ->  OK
Clk  22: 4114  ->  OK
Ctrl 31: 102   ->  OK
Clk  31: 4114  ->  OK
Ctrl 32: 4122  ->  OK
Clk  32: 4114  ->  OK
Ctrl 41: 4135  ->  OK
Clk  41: 4047  ->  OK
Ctrl 42: 4122  ->  OK
Clk  42: 4114  ->  OK

```

10MHz ring test:

Result matrix of the 10MHz ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P	P	P	P	P	P	P	P
	Clk12	P	P	P	P	P	P	P	P
	Clk21	P	P	P	P	P	P	P	P
	Clk22	P	P	P	P	P	P	P	P
	Clk31	P	P	P	P	P	P	P	P
	Clk32	P	P	P	P	P	P	P	P
	Clk41	P	P	P	P	P	P	P	P
	Clk42	P	P	P	P	P	P	P	P

MCLK_ON ring test:

Result matrix of the MCLK_ON ring test:

		Sender:							
		Clk11	Clk12	Clk21	Clk22	Clk31	Clk32	Clk41	Clk42
Receiver:	Clk11	P		P		P		P	

Clk12	P	P	P	P
Clk21	P	P	P	P
Clk22	P	P	P	P
Clk31	P	P	P	P
Clk32	P	P	P	P
Clk41	P	P	P	P
Clk42	P	P	P	P

PASSED

Times [sec]: Total:1554.3 Precal:0.0 Tests:303.5 FW:1250.7

Diagnostic finished

Diagnostic finished at: Sat Aug 8 11:03:25 2015

Overall diagnostic result: PASSED

Test Summary (Failed/Executed):

T 4 clock generation test	(0/1)
T 5 sys-pmu 1 test	(0/1)
T 6 board voltage test	(0/1)
T 7 single-select test	(0/1)
T 8 common-select test	(0/1)
T 9 vector edit test	(0/1)
T 10 SRAM-memory test	(0/1)
T 11 ERMP-memory test	(0/1)
T 12 OVEM-memory test	(0/1)
T 13 SDRAM-memory test	(0/1)
T 14 set-register test	(0/1)
T 15 start/stop-sequencer test	(0/1)
T 16 clock ring test	(0/1)
T 17 mclk phase test	(0/1)
T 18 external start test	(0/1)
T 19 continuity & badc test	(0/1)
T 20 chip output test	(0/1)
T 21 pass/fail test	(0/1)
T 22 sdram addr test	(0/1)
T 23 pin pmu source/sink test	(0/1)
T 24 driver tristate test	(0/1)
T 25 relay test	(0/1)
T 26 driver-level test	(0/1)
T 27 pin pmu pass/fail test	(0/1)
T 28 active-load test	(0/1)
T 29 channel clamp(s) test	(0/1)
T 30 waveform table test	(0/1)
T 36 error-map test	(0/1)
T 31 device cycle test	(0/1)
T 32 driver-edge test	(0/1)
T 33 receiver-level test	(0/1)
T 34 comparator test	(0/1)
T 35 receiver-edge test	(0/1)
T 37 overview-error-map test	(0/1)
T 38 match loop test	(0/1)
T 39 break-waveform test	(0/1)
T 40 valid-cycle test	(0/1)
T 41 shifter test	(0/1)
T 42 dqueue test	(0/1)
T 43 mask test	(0/1)
T 44 stop-on-analyzer-delay test	(0/1)
T 45 stop-on-error test	(0/1)
T 46 fifo test	(0/1)
T 48 compressor test	(0/1)
T 50 device power supply test	(0/1)
T 52 digital capture test	(0/1)
T 54 Computer Intf. Card test	(0/1)
T 55 Control Board test	(0/1)
T 78 special ring test	(0/1)

PDIAG Di_interprete Sat Aug 8 11:06:24 2015
command=Q #

PDIAG exit at: Sat Aug 8 11:06:38 2015

edc codes

```
#
# Revision Dump, Sat Aug 8 15:53:07 2015
# -----
#
# 1. Column : Module name, one of
# CTRL : Controlboard
# RACK : Rack Interface Board
# CLK : Clockboard
# PI16 : Clock Power Extension Board 1
# PI17 : Clock Power Extension Board 2
# PWRC : Power Control Board
# PWBP : Power Backplane Board
# FRPL : Frontplane Board
# DCDC : DCDC Board
# ACDC : ACDC Board
# WIRM : Wiring Master Board
# WIRS : Wiring Slave Board
# CHBD : Channelboard
# CHMO : Channelmodule
# SDRM : SDRAM-Module
# REL : Relayboard
# PDPS : PDPS-board
# PDCH : PDPS-channel
# EDPS : EDPS-board
# MSPS : MSPS-board
# MPCH : MSPS-daughter
# SSFB : Backplane interface board of the NP acceleration Board
# SSFC : Channel pair assembly of the NP acceleration Board
# SSFR : Relayboard of the NP acceleration Board
# BAAF : Bist Assist Frontplane Interface Module
# BAAB : Bist Assist Backplane Interface Module
# BAAC : Bist Assist Channel Module
# HXAF : HX Frontplane Interface Module
# HXAB : HX Backplane Interface Module
# HXAT : HX Timing Clock Module
# HXAC : HX Channel Module
# WDA : 40M 12bit Digitizer
# WDB : 1M 18bit Digitizer
# WDE : 5M 16bit Digitizer
# WDG : 100M 14bit Digitizer
# SPA : 1G 16bit Sampler
# SPB : 3G 12bit Sampler
# WGA : 1M 18bit AWG
# WGB : 128M 12bit AWG
# WGC : 2.4G 8bit AWG
# WGE : 20M 16bit AWG
# WGF : 4.1G 8bit AWG
# TIA : time interval analyzer
# MCA : Multi Channel Analog
# MESA : Multi Channel Analog Measure Module
# SRCA : Multi Channel Analog Source Module
# FNTM : Multi Channel Analog Front Module
# AIFM : Multi Channel Analog Interface Module
# MCB : Multi Site B/VHF Base Module
# MESB : Multi Site B/VHF Measure Module
# SRCB : Multi Site B/VHF Source Module
# MCC : Multi Site Giga Sampler Base Module
# MESC : Multi Site Giga Sampler Measure Module
# RFF : RF Source Card
# RFE : RF Channel Card
# DUT : DUT Board
```

SP1 : Calibration Robot Support Board
 # P1 : Calibration Robot Probe
 # 2. Column : Position in Tester
 # 3. Column : Verigy Partnumber
 # 4. Column : Electronic Date Code
 # 5. Column : Subcontractor Information
 # 6. Column : Serial Number
 # 8. and consecutive columns : further infos and options
 #

DI_TH_WIZ1024

TESTER: W,1024,SOC

SYST	1	n/a	n/a	n/a	qT7ovQcNzTssZFj6xxeVGw	Opt.:
CCG	1	n/a	n/a	n/a	1OsR2giecY6iHqs70la7Ww	Opt.:
CCG	2	n/a	n/a	n/a	DpP3NeOjfx728lFa5EGDKM	Opt.:
CCG	3	n/a	n/a	n/a	bs9DcRPreH1aUvNnWB7yVM	Opt.:
CCG	4	n/a	n/a	n/a	z5y_DC_DXDFfJ4lCOGx3Qw	Opt.:
CCG	5	n/a	n/a	n/a	pEPA5IUaqNNK16aEl0o7_M	Opt.:
CCG	6	n/a	n/a	n/a	er9caiy32VAQMrkZVQ9s6M	Opt.:
CCG	7	n/a	n/a	n/a	SbfomfqdX8DoLkyhXIVRw	Opt.:
CCG	8	n/a	n/a	n/a	vH2tbeULxpVkze5lHYoMJw	Opt.:
CICD	1	E6978-66442	101	JP	13647	Opt.:
CTRL	11	E6978-66424	4135	SL	2749	Opt.: T0,
CTRL	12	E6978-66472	4122	SL	2281	Opt.: T0,
CLK	11	E6978-66415	4114	SL	5941	Opt.:
CLK	12	E6978-66515	4114	SL	4806	Opt.:
CTRL	21	E6978-66424	4135	SL	6103	Opt.: T0,
CTRL	22	E6978-66472	4122	SL	2274	Opt.: T0,
CLK	21	E6978-66515	4114	SL	4370	Opt.:
CLK	22	E6978-66515	4114	SL	4253	Opt.:
CTRL	31	E6978-68527	102	79	13175	Opt.: T9,
CTRL	32	E6978-66472	4122	SL	2300	Opt.: T0,
CLK	31	E6978-66415	4114	SL	5954	Opt.:
CLK	32	E6978-66415	4114	SL	5845	Opt.:
CTRL	41	E6978-66424	4135	SL	2570	Opt.: T0,
CTRL	42	E6978-66472	4122	SL	2304	Opt.: T0,
CLK	41	E6978-66515	A4047	SL	2595	Opt.:
CLK	42	E6978-66415	4114	SL	5899	Opt.:
CHBD	101	E6996-66501	B4031	SL	10818	Opt.: 500 MHz, B1, X12763,
REL	101	E6996-66413	C4112	SL	11328	Opt.:
CHMO	1011	E6996-86543	3838	SI	6280	Opt.: 2M,500 MHz, B1,
SDRM	10111	E6997-66503	3714	SL	30420	Opt.: 56M,
SDRM	10112	E6997-66503	3714	SL	30419	Opt.: 56M,
CHMO	1012	E6996-86543	4025	AC	26001	Opt.: 2M,500 MHz, B1,
SDRM	10121	E6997-66503	3714	SL	30602	Opt.: 56M,
SDRM	10122	E6997-66503	3714	SL	30599	Opt.: 56M,
CHMO	1013	E6996-86543	4011	MB	2127	Opt.: 2M,500 MHz, B1,
SDRM	10131	E6997-66503	3714	SL	30415	Opt.: 56M,
SDRM	10132	E6997-66503	3714	SL	30416	Opt.: 56M,
CHMO	1014	E6996-86543	3838	SI	8579	Opt.: 2M,500 MHz, B1,
SDRM	10141	E6997-66503	3714	SL	30603	Opt.: 56M,
SDRM	10142	E6997-66503	3714	SL	30600	Opt.: 56M,
CHBD	102	E6996-66401	B4112	SL	13738	Opt.: 500 MHz, B1, X12763,
REL	102	E6996-66413	C4117	SL	14403	Opt.:
CHMO	1021	E6996-86543	4024	AC	6235	Opt.: 2M,500 MHz, B1,
SDRM	10211	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1022	E6996-86543	4011	MB	513	Opt.: 2M,500 MHz, B1,
SDRM	10221	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1023	E6996-86543	4024	AC	6723	Opt.: 2M,500 MHz, B1,
SDRM	10231	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1024	E6996-86543	4011	MB	2118	Opt.: 2M,500 MHz, B1,
SDRM	10241	E6997-66404	100	79	483	Opt.: 56M,
CHBD	103	E6996-66401	B4112	SL	14331	Opt.: 500 MHz, B1, X12763,
REL	103	E6996-66413	C4117	SL	13733	Opt.:
CHMO	1031	E6996-86543	4024	AC	6028	Opt.: 2M,500 MHz, B1,
SDRM	10311	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1032	E6996-88543	H4011	MB	819	Opt.: 2M,500 MHz, B1,
SDRM	10321	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1033	E6996-86543	4024	AC	9664	Opt.: 2M,500 MHz, B1,
SDRM	10331	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1034	E6996-86543	4024	AC	8452	Opt.: 2M,500 MHz, B1,

SDRM	10341	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	104	E6996-66401	B4112	SL	10646	Opt.: 500 MHz, B1, X12763,
REL	104	E6996-66413	C4112	SL	10539	Opt.:
CHMO	1041	E6996-86543	3838	SI	6514	Opt.: 2M,500 MHz, B1,
SDRM	10411	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1042	E6996-86543	4025	AC	27661	Opt.: 2M,500 MHz, B1,
SDRM	10421	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1043	E6996-86543	4025	AC	27788	Opt.: 2M,500 MHz, B1,
SDRM	10431	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1044	E6996-86543	3838	SI	8474	Opt.: 2M,500 MHz, B1,
SDRM	10441	E6997-66404	100	79	333	Opt.: 56M,
CHBD	105	E6996-66401	B4112	SL	13676	Opt.: 500 MHz, B1, X12763,
REL	105	E6996-66413	C4117	SL	14335	Opt.:
CHMO	1051	E6996-86543	4024	AC	2849	Opt.: 2M,500 MHz, B1,
SDRM	10511	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1052	E6996-86543	4024	AC	815	Opt.: 2M,500 MHz, B1,
SDRM	10521	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1053	E6996-86543	4024	AC	1122	Opt.: 2M,500 MHz, B1,
SDRM	10531	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1054	E6996-86543	4024	AC	2111	Opt.: 2M,500 MHz, B1,
SDRM	10541	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	106	E6996-66401	B4112	SL	14110	Opt.: 500 MHz, B1, X12763,
REL	106	E6996-66413	C4117	SL	13189	Opt.:
CHMO	1061	E6996-88543	F3838	SI	3064	Opt.: 2M,500 MHz, B1,
SDRM	10611	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1062	E6996-86543	4107	MM	22025	Opt.: 2M,500 MHz, B1,
SDRM	10621	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1063	E6996-86543	4107	MM	22027	Opt.: 2M,500 MHz, B1,
SDRM	10631	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1064	E6996-86543	4107	MM	21733	Opt.: 2M,500 MHz, B1,
SDRM	10641	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	107	E6996-66401	B4112	SL	15253	Opt.: 500 MHz, B1, X12763,
REL	107	E6996-66413	C4117	SL	13695	Opt.:
CHMO	1071	E6996-86543	4024	AC	4502	Opt.: 2M,500 MHz, B1,
SDRM	10711	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1072	E6996-86543	4024	AC	5049	Opt.: 2M,500 MHz, B1,
SDRM	10721	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1073	E6996-86543	4024	AC	5958	Opt.: 2M,500 MHz, B1,
SDRM	10731	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1074	E6996-86543	4025	AC	13909	Opt.: 2M,500 MHz, B1,
SDRM	10741	E6997-66404	100	79	333	Opt.: 56M,
CHBD	108	E6996-66401	B4112	SL	14140	Opt.: 500 MHz, B1, X12763,
REL	108	E6996-66413	C4117	SL	13701	Opt.:
CHMO	1081	E6996-86543	3838	SI	6639	Opt.: 2M,500 MHz, B1,
SDRM	10811	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1082	E6996-86543	3838	SI	7052	Opt.: 2M,500 MHz, B1,
SDRM	10821	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1083	E6996-86543	3838	SI	5785	Opt.: 2M,500 MHz, B1,
SDRM	10831	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1084	E6996-86543	3838	SI	6579	Opt.: 2M,500 MHz, B1,
SDRM	10841	E6997-66404	100	79	483	Opt.: 56M,
CHBD	109	E6996-66401	B4112	SL	13718	Opt.: 500 MHz, B1, X12763,
REL	109	E6996-66413	C4117	SL	14075	Opt.:
CHMO	1091	E6996-86543	4107	MM	19055	Opt.: 2M,500 MHz, B1,
SDRM	10911	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1092	E6996-86543	3838	SI	8919	Opt.: 2M,500 MHz, B1,
SDRM	10921	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1093	E6996-86543	3838	SI	6721	Opt.: 2M,500 MHz, B1,
SDRM	10931	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1094	E6996-86543	4011	MB	2682	Opt.: 2M,500 MHz, B1,
SDRM	10941	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	110	E6996-66501	B4031	SL	6631	Opt.: 300 MHz,Mem. Test,SCAN, B1, X12763,
REL	110	E6996-68583	B4117	SL	10983	Opt.:
CHMO	1101	E6996-86543	4044	AC	28713	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11011	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1102	E6996-86543	4011	MM	12639	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11021	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1103	E6996-88543	4025	AC	14021	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11031	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1104	E6996-86543	4044	AC	28908	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,

SDRM	11041	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	111	E6996-66401	B4112	SL	13778	Opt.: 500 MHz, B1, X12763,
REL	111	E6996-66413	C4117	SL	14832	Opt.:
CHMO	1111	E6996-86543	4011	MB	2692	Opt.: 2M,500 MHz, B1,
SDRM	11111	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1112	E6996-88543	M4024	AC	3998	Opt.: 2M,500 MHz, B1,
SDRM	11121	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1113	E6996-86543	4011	MM	10490	Opt.: 2M,500 MHz, B1,
SDRM	11131	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1114	E6996-86543	4011	MM	13735	Opt.: 2M,500 MHz, B1,
SDRM	11141	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	112	E6996-66401	B4112	SL	14446	Opt.: 500 MHz, B1, X12763,
REL	112	E6996-66413	C4117	SL	14409	Opt.:
CHMO	1121	E6996-86543	4024	AC	7936	Opt.: 2M,500 MHz, B1,
SDRM	11211	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1122	E6996-86543	4024	AC	8903	Opt.: 2M,500 MHz, B1,
SDRM	11221	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1123	E6996-86543	4024	AC	8444	Opt.: 2M,500 MHz, B1,
SDRM	11231	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1124	E6996-86543	4024	AC	8092	Opt.: 2M,500 MHz, B1,
SDRM	11241	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	113	E6996-66401	B4112	SL	12841	Opt.: 500 MHz, B1, X12763,
REL	113	E6996-66413	C4117	SL	14090	Opt.:
CHMO	1131	E6996-86543	3838	SI	4819	Opt.: 2M,500 MHz, B1,
SDRM	11311	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1132	E6996-86543	4024	AC	4673	Opt.: 2M,500 MHz, B1,
SDRM	11321	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1133	E6996-86543	4024	AC	8071	Opt.: 2M,500 MHz, B1,
SDRM	11331	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1134	E6996-86543	4025	AC	21621	Opt.: 2M,500 MHz, B1,
SDRM	11341	E6997-66404	100	79	483	Opt.: 56M,
CHBD	114	E6996-68501	B4031	SL	10711	Opt.: 500 MHz, B1, X12763,
REL	114	E6996-66513	C4112	SL	10686	Opt.:
CHMO	1141	E6996-86543	4011	MM	9286	Opt.: 2M,500 MHz, B1,
SDRM	11411	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1142	E6996-86543	3838	SI	3506	Opt.: 2M,500 MHz, B1,
SDRM	11421	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1143	E6996-88543	4025	AC	24707	Opt.: 2M,
SDRM	11431	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1144	E6996-86543	3838	SI	5102	Opt.: 2M,500 MHz, B1,
SDRM	11441	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	115	E6996-66501	B4031	SL	10714	Opt.: 300 MHz,Mem. Test,SCAN, B1, X12763,
REL	115	E6996-66513	C4117	SL	10390	Opt.:
CHMO	1151	E6996-86543	4025	AC	16215	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11511	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1152	E6996-86543	4011	MM	13619	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11521	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1153	E6996-86543	4011	MM	13618	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11531	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1154	E6996-86543	4025	AC	14286	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	11541	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	116	E6996-66401	B4112	SL	14332	Opt.: 500 MHz, B1, X12763,
REL	116	E6996-66413	C4117	SL	13745	Opt.:
CHMO	1161	E6996-86543	4044	AC	28380	Opt.: 2M,500 MHz, B1,
SDRM	11611	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1162	E6996-86543	4024	AC	8473	Opt.: 2M,500 MHz, B1,
SDRM	11621	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1163	E6996-86543	4025	AC	11508	Opt.: 2M,500 MHz, B1,
SDRM	11631	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1164	E6996-86543	4024	AC	5027	Opt.: 2M,500 MHz, B1,
SDRM	11641	E6997-66404	100	79	333	Opt.: 56M,
CHBD	117	E6996-66401	B4112	SL	13802	Opt.: 500 MHz, B1, X12763,
REL	117	E6996-66413	C4117	SL	14320	Opt.:
CHMO	1171	E6996-86543	4025	AC	17017	Opt.: 2M,500 MHz, B1,
SDRM	11711	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1172	E6996-86543	3838	SI	6264	Opt.: 2M,500 MHz, B1,
SDRM	11721	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1173	E6996-86543	3838	SI	6298	Opt.: 2M,500 MHz, B1,
SDRM	11731	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1174	E6996-86543	3838	SI	1699	Opt.: 2M,500 MHz, B1,

SDRM	11741	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	118	E6996-66401	B4112	SL	15247	Opt.: 500 MHz, B1, X12763,
REL	118	E6996-66413	C4117	SL	13725	Opt.:
CHMO	1181	E6996-86543	4024	AC	3718	Opt.: 2M,500 MHz, B1,
SDRM	11811	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1182	E6996-86543	4025	AC	11816	Opt.: 2M,500 MHz, B1,
SDRM	11821	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1183	E6996-86543	4024	AC	6215	Opt.: 2M,500 MHz, B1,
SDRM	11831	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1184	E6996-86543	4024	AC	3779	Opt.: 2M,500 MHz, B1,
SDRM	11841	E6997-66404	100	79	333	Opt.: 56M,
CHBD	119	E6996-66501	B4031	SL	13880	Opt.: 500 MHz, B1, X12763,
REL	119	E6996-66413	C4117	SL	14442	Opt.:
CHMO	1191	E6996-86543	4024	AC	7635	Opt.: 2M,500 MHz, B1,
SDRM	11911	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1192	E6996-86543	4025	AC	21894	Opt.: 2M,500 MHz, B1,
SDRM	11921	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1193	E6996-86543	4024	AC	2847	Opt.: 2M,500 MHz, B1,
SDRM	11931	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1194	E6996-86543	4024	AC	7547	Opt.: 2M,500 MHz, B1,
SDRM	11941	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	120	E6996-66401	B4112	SL	13714	Opt.: 500 MHz, B1, X12763,
REL	120	E6996-66413	C4117	SL	14128	Opt.:
CHMO	1201	E6996-86543	4024	AC	9855	Opt.: 2M,500 MHz, B1,
SDRM	12011	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1202	E6996-86543	4024	AC	2699	Opt.: 2M,500 MHz, B1,
SDRM	12021	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1203	E6996-86543	4024	AC	5261	Opt.: 2M,500 MHz, B1,
SDRM	12031	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1204	E6996-86543	4024	AC	1350	Opt.: 2M,500 MHz, B1,
SDRM	12041	E6997-66404	100	79	483	Opt.: 56M,
CHBD	121	E6996-66401	B4112	SL	13573	Opt.: 500 MHz, B1, X12763,
REL	121	E6996-66413	C4117	SL	13660	Opt.:
CHMO	1211	E6996-86543	4011	MB	964	Opt.: 2M,500 MHz, B1,
SDRM	12111	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1212	E6996-86543	4011	MM	11443	Opt.: 2M,500 MHz, B1,
SDRM	12121	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1213	E6996-86543	3838	SI	3797	Opt.: 2M,500 MHz, B1,
SDRM	12131	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1214	E6996-86543	3838	SI	4457	Opt.: 2M,500 MHz, B1,
SDRM	12141	E6997-66404	100	79	333	Opt.: 56M,
CHBD	122	E6996-66401	B4112	SL	13852	Opt.: 500 MHz, B1, X12763,
REL	122	E6996-66413	C4117	SL	14143	Opt.:
CHMO	1221	E6996-86543	4024	AC	1035	Opt.: 2M,500 MHz, B1,
SDRM	12211	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1222	E6996-86543	4024	AC	1772	Opt.: 2M,500 MHz, B1,
SDRM	12221	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1223	E6996-86543	4025	AC	27659	Opt.: 2M,500 MHz, B1,
SDRM	12231	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1224	E6996-86543	4025	AC	21901	Opt.: 2M,500 MHz, B1,
SDRM	12241	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	123	E6996-66401	B4112	SL	14483	Opt.: 500 MHz, B1, X12763,
REL	123	E6996-66413	C4117	SL	13679	Opt.:
CHMO	1231	E6996-86543	4024	AC	3789	Opt.: 2M,500 MHz, B1,
SDRM	12311	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1232	E6996-86543	4025	AC	11992	Opt.: 2M,500 MHz, B1,
SDRM	12321	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1233	E6996-86543	4024	AC	3776	Opt.: 2M,500 MHz, B1,
SDRM	12331	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1234	E6996-86543	4025	AC	14559	Opt.: 2M,500 MHz, B1,
SDRM	12341	E6997-66404	100	79	4700	Opt.: 56M,
CHBD	124	E6996-66401	B4112	SL	12892	Opt.: 500 MHz, B1, X12763,
REL	124	E6996-66413	C4117	SL	14106	Opt.:
CHMO	1241	E6996-86543	4024	AC	1551	Opt.: 2M,500 MHz, B1,
SDRM	12411	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1242	E6996-86543	4025	AC	23410	Opt.: 2M,500 MHz, B1,
SDRM	12421	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1243	E6996-86543	4025	AC	12085	Opt.: 2M,500 MHz, B1,
SDRM	12431	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1244	E6996-86543	4025	AC	16007	Opt.: 2M,500 MHz, B1,

SDRM	12441	E6997-66404	100	79	333	Opt.: 56M,
CHBD	125	E6996-66401	B4112	SL	13677	Opt.: 500 MHz, B1, X12763,
REL	125	E6996-66413	C4117	SL	14392	Opt.:
CHMO	1251	E6996-86543	4024	AC	3617	Opt.: 2M,500 MHz, B1,
SDRM	12511	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1252	E6996-86543	4025	AC	9875	Opt.: 2M,500 MHz, B1,
SDRM	12521	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1253	E6996-86543	4024	AC	7963	Opt.: 2M,500 MHz, B1,
SDRM	12531	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1254	E6996-86543	4024	AC	6693	Opt.: 2M,500 MHz, B1,
SDRM	12541	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	126	E6996-66501	B4031	SL	11292	Opt.: 300 MHz,Mem. Test,SCAN, B1, X12763,
REL	126	E6996-66413	C4112	SL	10440	Opt.:
CHMO	1261	E6996-86543	4025	AC	25492	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	12611	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1262	E6996-86543	4025	AC	25488	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	12621	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1263	E6996-86543	4025	AC	11352	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	12631	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1264	E6996-86543	4025	AC	25493	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	12641	E6997-66404	100	79	333	Opt.: 56M,
CHBD	127	E6996-66401	B4112	SL	13719	Opt.: 500 MHz, B1, X12763,
REL	127	E6996-66413	C4117	SL	14330	Opt.:
CHMO	1271	E6996-86543	4024	AC	7361	Opt.: 2M,500 MHz, B1,
SDRM	12711	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1272	E6996-86543	4011	MM	10797	Opt.: 2M,500 MHz, B1,
SDRM	12721	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1273	E6996-86543	4024	AC	2792	Opt.: 2M,500 MHz, B1,
SDRM	12731	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1274	E6996-86543	3838	SI	7644	Opt.: 2M,500 MHz, B1,
SDRM	12741	E6997-66404	100	79	333	Opt.: 56M,
CHBD	128	E6996-66401	B4112	SL	13664	Opt.: 500 MHz, B1, X12763,
REL	128	E6996-66413	C4117	SL	14448	Opt.:
CHMO	1281	E6996-86543	3838	SI	2685	Opt.: 2M,500 MHz, B1,
SDRM	12811	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1282	E6996-86543	3838	SI	9078	Opt.: 2M,500 MHz, B1,
SDRM	12821	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1283	E6996-86543	3838	SI	1883	Opt.: 2M,500 MHz, B1,
SDRM	12831	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1284	E6996-86543	3838	SI	3485	Opt.: 2M,500 MHz, B1,
SDRM	12841	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	129	E6996-66401	B4112	SL	15256	Opt.: 500 MHz, B1, X12763,
REL	129	E6996-66413	C4117	SL	14208	Opt.:
CHMO	1291	E6996-86543	4025	AC	27750	Opt.: 2M,500 MHz, B1,
SDRM	12911	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1292	E6996-86543	4025	AC	27751	Opt.: 2M,500 MHz, B1,
SDRM	12921	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1293	E6996-86543	4025	AC	27744	Opt.: 2M,500 MHz, B1,
SDRM	12931	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1294	E6996-86543	4025	AC	10175	Opt.: 2M,500 MHz, B1,
SDRM	12941	E6997-66404	100	79	483	Opt.: 56M,
CHBD	130	E6996-66401	B4112	SL	12928	Opt.: 500 MHz, B1, X12763,
REL	130	E6996-66413	C4117	SL	14050	Opt.:
CHMO	1301	E6996-86543	4025	AC	9957	Opt.: 2M,500 MHz, B1,
SDRM	13011	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1302	E6996-86543	4025	AC	10126	Opt.: 2M,500 MHz, B1,
SDRM	13021	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1303	E6996-86543	4025	AC	10169	Opt.: 2M,500 MHz, B1,
SDRM	13031	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1304	E6996-86543	4025	AC	10027	Opt.: 2M,500 MHz, B1,
SDRM	13041	E6997-66404	100	79	333	Opt.: 56M,
CHBD	131	E6996-66401	B4112	SL	14471	Opt.: 500 MHz, B1, X12763,
REL	131	E6996-66413	C4117	SL	14391	Opt.:
CHMO	1311	E6996-86543	4025	AC	27537	Opt.: 2M,500 MHz, B1,
SDRM	13111	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1312	E6996-86543	4044	AC	28612	Opt.: 2M,500 MHz, B1,
SDRM	13121	E6997-66404	100	79	483	Opt.: 56M,
CHMO	1313	E6996-86543	4025	AC	27786	Opt.: 2M,500 MHz, B1,
SDRM	13131	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1314	E6996-86543	4025	AC	27544	Opt.: 2M,500 MHz, B1,

SDRM	13141	E6997-66404	100	79	4746	Opt.: 56M,
CHBD	132	E6996-66401	B4112	SL	12888	Opt.: 500 MHz, B1, X12763,
REL	132	E6996-66413	C4112	SL	11144	Opt.:
CHMO	1321	E6996-86543	3838	SI	5218	Opt.: 2M,500 MHz, B1,
SDRM	13211	E6997-66404	100	79	4746	Opt.: 56M,
CHMO	1322	E6996-86543	3838	SI	1835	Opt.: 2M,500 MHz, B1,
SDRM	13221	E6997-66404	100	79	333	Opt.: 56M,
CHMO	1323	E6996-88543	N4025	AC	15522	Opt.: 2M,500 MHz,Mem. Test,SCAN, B1,
SDRM	13231	E6997-66404	100	79	4700	Opt.: 56M,
CHMO	1324	E6996-86543	4025	AC	12164	Opt.: 2M,500 MHz, B1,
SDRM	13241	E6997-66404	100	79	483	Opt.: 56M,
PDPS	1	E7002-66411	C4203	SL	2854	Opt.: Type A,
PDCH	11	E7002-66412	C4150	SL	8475	Opt.:
PDCH	12	E7002-66412	C4150	SL	8473	Opt.:
PDCH	13	E7002-66412	C4150	SL	8425	Opt.:
PDCH	14	E7002-66412	C4150	SL	8366	Opt.:
PDPS	2	E7002-66411	C4050	SL	2127	Opt.: Type A,
PDCH	21	E7002-66412	C4150	SL	8378	Opt.:
PDCH	22	E7002-66412	C4150	SL	8446	Opt.:
PDCH	23	E7002-66412	C4150	SL	8293	Opt.:
PDCH	24	E7002-66412	C4150	SL	8450	Opt.:
PDPS	3	E7002-66411	C4203	SL	4936	Opt.: Type A,
PDCH	31	E7002-66412	C3936	SL	6373	Opt.:
PDCH	32	E7002-66412	C3936	SL	5178	Opt.:
PDCH	33	E7002-66412	C3936	SL	2970	Opt.:
PDCH	34	E7002-66412	C3936	SL	5489	Opt.:
PDPS	4	E7002-68591	C4050	SL	1198	Opt.: Type A,
PDCH	41	E7002-66412	C3936	SL	6166	Opt.:
PDCH	42	E7002-66412	C3936	SL	2867	Opt.:
PDCH	43	E7002-66412	C3936	SL	2092	Opt.:
PDCH	44	E7002-66412	C3936	SL	2843	Opt.:
WDA	227	E9684-61051	A4121	AT	270	Opt.:
WDB	228	E9686-61051	B4115	AT	301	Opt.:
WGA	232	E9685-61051	A4036	AT	173	Opt.:

DIS-Subnetwork not enabled