

Diagnostic Error Codes

This appendix contains the diagnostic error code numbers and a description of the cause.

Table F-1 Error Code Descriptions

Error No.	Error Description
1	MEMDIAG data bus stuck 1 error
2	MEMDIAG data bus stuck 0 error
3	MEMDIAG data bus short error
4	MEMDIAG address bus stuck 1 error
5	MEMDIAG address bus stuck 0 error
6	MEMDIAG address bus short error
7	MEMDIAG BOOTROM descriptor checksum fail error
8	MEMDIAG BOOTROM image checksum fail error
9	MEMDIAG serial EEPROM write timeout error
10	MEMDIAG serial EEPROM data error
11	MEMDIAG serial EEPROM checksum fail error
12	MEMDIAG Flash descriptor checksum fail error
13	MEMDIAG Flash image checksum fail error
14	MEMDIAG DMP Flash invalid length error
15	MEMDIAG DMP Flash checksum fail error
16	MEMDIAG BOOTNVRAM checksum fail error

Error No.	Error Description
17	MEMDIAG NVRAM CREMIB checksum fail error
18	MEMDIAG NVRAM SMTMIB checksum fail error
19	MEMDIAG NVRAM read write test fail error
20	MEMDIAG SRAM fast access test fail error
21	MEMDIAG SRAM read write test fail error
22	MEMDIAG DRAM fast access test fail error
23	MEMDIAG DRAM read write test fail error
24	MEMDIAG QSRAM fast access test fail error
25	MEMDIAG QSRAM read write test fail error
26	MEMDIAG FRAMEBUF fast access test fail error
27	MEMDIAG FRAMEBUF read write test fail error
28	IODIAG watchdog interrupt test fail error
29	IODIAG temperature high error
30	IODIAG fan 1 feedback fail error
31	IODIAG fan 2 feedback fail error
32	IODIAG power minus 12 fail error
33	IODIAG power plus 12 fail error
34	PHYDIAG PLC accessibility error
35	PHYDIAG interrupt test fail error
36	PHYDIAG media not present error
37	PHYDIAG master symbol loopback fail error
38	PHYDIAG halt symbol loopback fail error
39	PHYDIAG idle symbol loopback fail error
40	PHYDIAG quiet symbol loopback fail error
41	MACDIAG mac accessibility error
42	MACDIAG memory write ptr increment fail error

Error No.	Error Description
43	MACDIAG memory read ptr increment fail error
44	MACDIAG memory read ptr unexpected increment error
45	MACDIAG interrupt test fail error
46	MACDIAG BUFMEM read write test fail error
47	MACDIAG CAM not configured error
48	MACDIAG CAM data error
49	MACDIAG CAM data mismatch error
50	MACDIAG media not present error
51	MACDIAG ring not up after claim process error
52	MACDIAG status bit srcvfrm stuck error
53	MACDIAG status bit SRCOMP stuck error
54	MACDIAG packet transmit timeout error
55	MACDIAG packet receive timeout error
56	MACDIAG packet data error
57	MACDIAG PHY bypass configuration timeout error
58	MACDIAG PHY LMLOOP configuration timeout error
59	MACDIAG PHY EBLOOP configuration timeout error
60	MACDIAG PHY XTLOOP configuration timeout error
61	MACDIAG PHY PMDLOOP configuration timeout error
62	ETIDIAG accessibility error
63	ETIDIAG read RRA timeout error
64	ETIDIAG load CAM timeout error
65	ETIDIAG CAM CAP2 data error
66	ETIDIAG CAM CAP1 data error
67	ETIDIAG CAM CAP0 data error
68	ETIDIAG CAM enable data error

Error No.	Error Description
69	ETIDIAG transmit timeout error
70	ETIDIAG transmit byte count mismatch error
71	ETIDIAG transmit fifo underrun error
72	ETIDIAG transmit packet monitored bad error
73	ETIDIAG transmit CD heartbeat lost error
74	ETIDIAG transmit out of window collision error
75	ETIDIAG transmit excessive collisions error
76	ETIDIAG transmit CRS lost error
77	ETIDIAG transmit no CRS error
78	ETIDIAG transmit deferred transmission error
79	ETIDIAG transmit excessive deferral error
80	ETIDIAG transmit collisions error
81	ETIDIAG transmit packet not ok error
82	ETIDIAG receive timeout error
83	ETIDIAG RECEIVE FRAME ALIGNMENT ERROR
84	ETIDIAG RECEIVE CRC ERROR
85	ETIDIAG receive packet not ok error
86	ETIDIAG destination address mismatch error
87	ETIDIAG source address mismatch error
88	ETIDIAG invalid packetsize error
89	ETIDIAG packet data error
90	ETIDIAG QSRAM arbitration error
91	ETIDIAG framebuf arbitration error
92	ETIDIAG disable links timeout error
93	ETIDIAG enable links timeout error
94	ETIDIAG Ethernet bank a reset timeout error

Error No.	Error Description
95	ETIDIAG Ethernet bank b reset timeout error
96	BIGADIAG BIGA accessibility error
97	BIGADIAG BUFMEM read write test fail error
98	BIGADIAG status bit XMTD stuck error
99	BIGADIAG status bit RDSB stuck error
100	BIGADIAG status bit XMTD not set error
101	BIGADIAG status bit RDSB not set error
102	BIGADIAG packet transmit timeout error
103	BIGADIAG packet receive timeout error
104	BIGADIAG packet data error
105	BIGADIAG QSRAM arbitration error
106	BIGADIAG FRAMEBUF arbitration error

