

Supersedes:

None

HP MODEL 5345A ELECTRONIC COUNTERS**All Serials****ELIMINATION OF SHORTING BETWEEN
CIRCUIT BOARDS AND BOARD SOCKETS**

On some units, shorting can occur between the socket pins of XA10, XA11, and traces on these boards. One symptom of this (but not the only symptom) is a display of all 8's. Usually this fault is intermittent.

There are two different manufacturers of sockets used in the A10 and A11 connector positions. One (made by TRW) has fingers that are .040 inches (1 mm) longer than the other. When either A10 (Gate Control) or A11 (Scaler) boards are fully seated in the TRW socket, the board layout is such that the socket fingers may touch adjacent traces or pads.

To eliminate the problem, insert a 3-inch (7.6 cm) length of .062-inch (1.6 mm) nylon rod into the socket. This will prevent the board from being inserted far enough to short traces, but will still enable the socket to make reliable contact with the board. The HP part number for the nylon rod is 4135-0265. The rod should be ordered by length in multiples of 3 inches.

CL/ka/WA

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