

S E R V I C E N O T E

SUPERSEDES: None

HP 10897B High-Resolution Laser Axis Board for VME

Serial Numbers: 3636A09500 / 3636A99999

Capacitors are misloaded**Situation:**

There are two tantalum capacitors C110 & C83 (0180-4753) loaded on the 10897B boards. The loading polarity is not consistent. Some are loaded correctly and some are loaded reversely.

The ripples to the input/output signals with the correct capacitor polarities, wrong capacitor polarities, and without capacitors were examined. No ripple increase with the misloading/lack of capacitors was observed. The ripples were actually minimal when the capacitors didn't exist. The capacitors might not need to be there since the higher frequency oscillation has been taken care of by the 0.1uF capacitor right next to it. Solution / Action: The polarity either loaded correctly or reversely is no impact to the performance of the board. There is no action required. The reversely loaded capacitors do not need correction.

A test fixture has been implemented at manufacturing site (Spokane) to test polarity before loading. Both SCD and Spokane line operators have been instructed to follow strict visual inspection policy.

DATE: June 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

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ENTITY:

0200

ADDITIONAL INFORMATION: