Producability Issues:

Assembly of Module Connectors to PWB's 360 LRM Product 472 LRM Product

Connectors shall be mounted to PWB's after PWB's have been mounted to the heatsink (if there is a heatsink)

A solder fixture can be purchased which insures proper assembly of connector inserts.



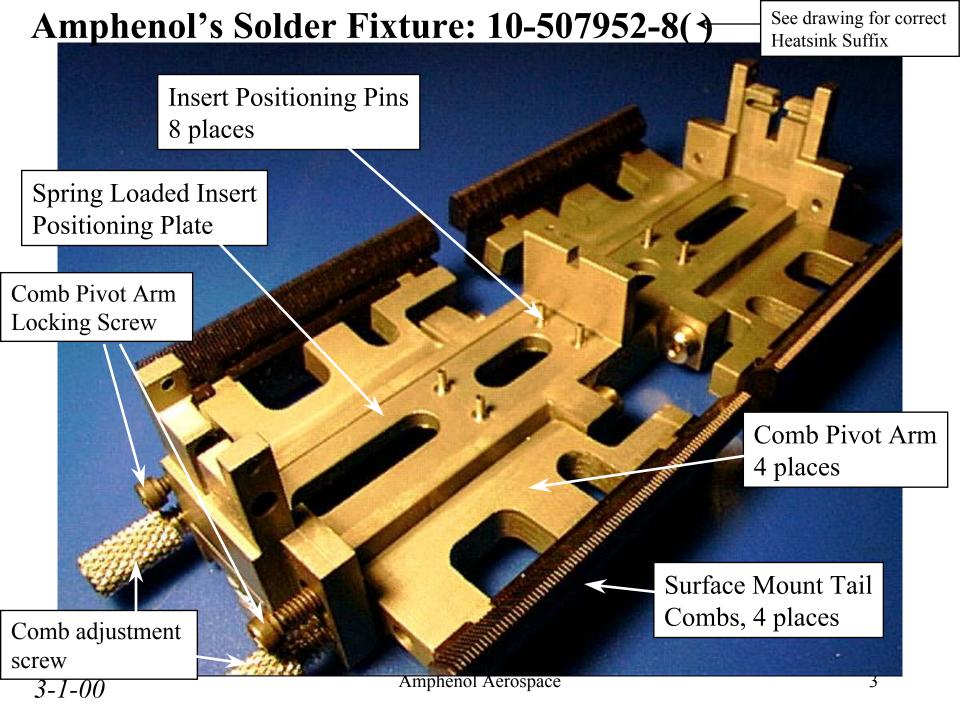
Connectors shall be mounted to PWB's before PWB's have been mounted to the heatsink.

Each insert has slotted towers to guide the board into the correct location prior to soldering.

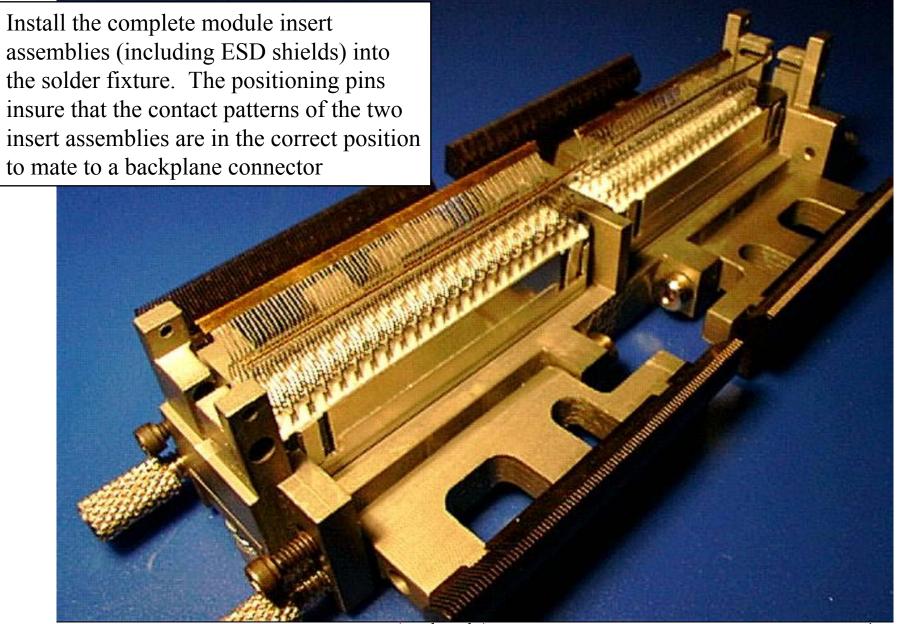
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Termination Instructions for the Amphenol Aerospace LRM 360 Module, 10-507142

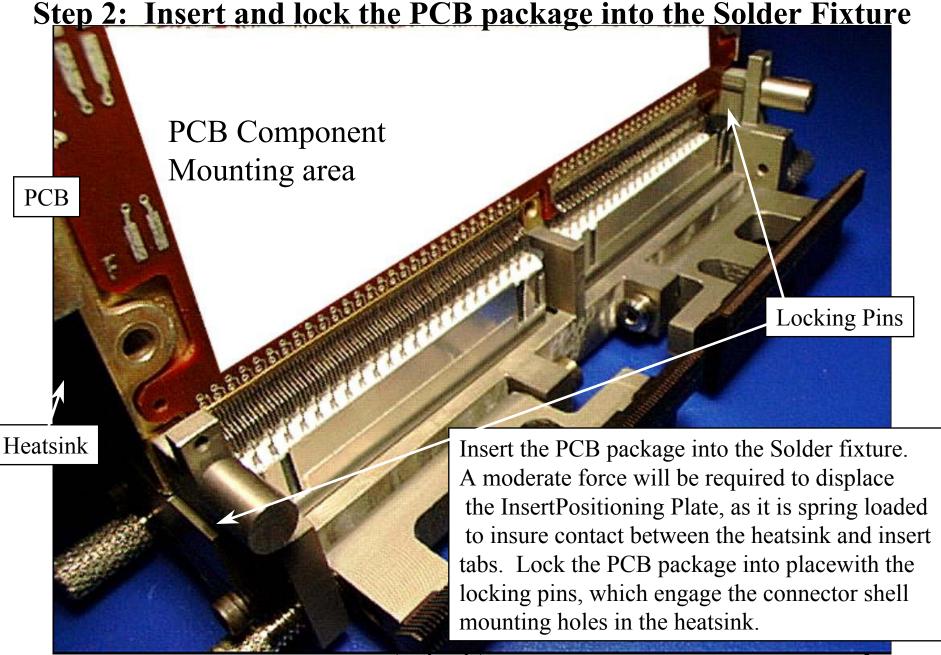
The LRM 360 family of module connectors have been designed to be surface mounted to a Printed Circuit Board package by straddling the package; half the contacts on one surface, the other half on the other surface. The "package" may consist of one printed circuit board, or two printed circuit boards mounted to a heatsink. This document reviews the recomended procedure to solder the Amphenol 360 LRM connector to two printed circuit boards mounted to a heatsink.



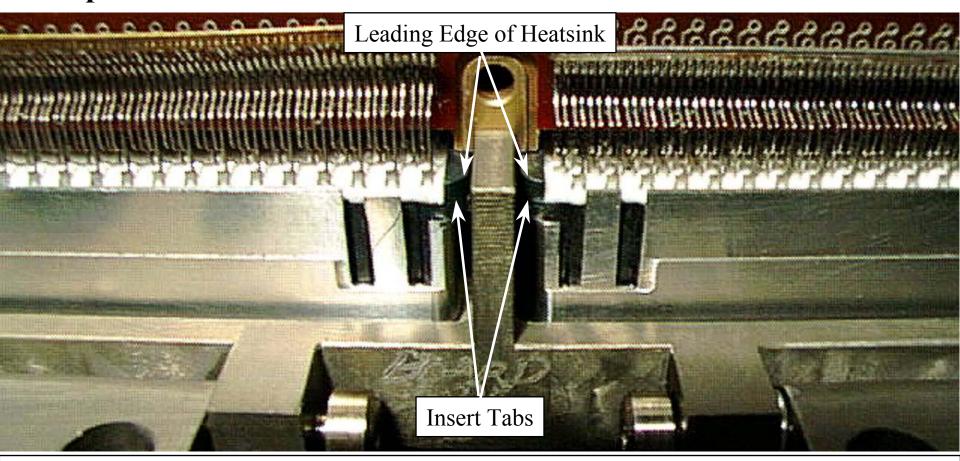
Step 1: Install Insert Assemblies into Solder Fixture



Amphenol Aerospace

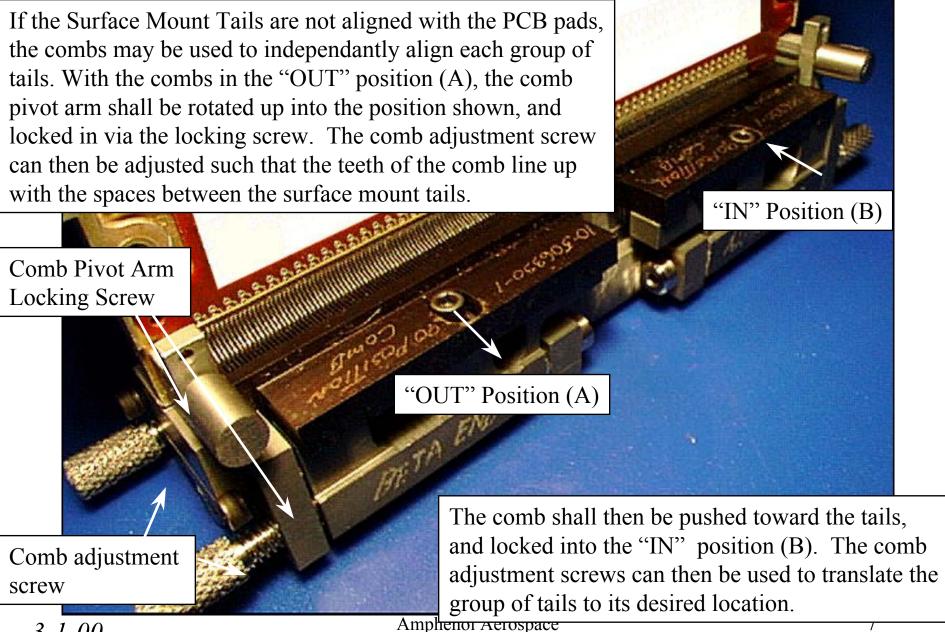


Step 3: Check for contact between the heatsink and Insert Tabs



The Solder fixture has been designed to force the inserts to engage the leading edge of the heatsink, but this contact should be visually confirmed prior to soldering (at both ends of each digital insert). If the surface mount tails are soldered when a gap is present, the solder joints will be under stress when the connector is mated, which could compromise the strength of the solder joints.

Step 4: Alignment of the Surface Mount Tails to the PCB Pads



3-1-00

Step 5: Soldering the Surface Mount Tails

