

AMPHENOL TCS

TB-2074

PROCESS FOR INSTALLATION OF VHDM® BACKPLANE POWER MODULES

Revision “C”

Specification Revision Status

Revision	SCR No.	Description	Initial	Date
“-“	29184	Initial Release	L. Walz	10-6-99
“A”	39891	Added ® to Title and Reformatted	P. Yeh	9-17-02
“B”	S0081	Replaced template format	M.Lee	02-03-06
“C”	S0802	Updated copyright information	C Palmer	02-26-08

Amphenol TCS

A Division of Amphenol Corporation

Amphenol TCS
44 Simon Street
Nashua, NH 03060
603.879.3000

Aptera, Crossbow, eHSD, GbX, HD Plus, HDM Plus, HDM, HD-Optyx, NeXLev, Ventura, VHDM, VHDM-HSD, and XCede, are trademarks or registered trademarks of Amphenol Corporation. AirMax VS is a registered trademark of FCI. Information contained in this document is summary in nature and subject to change without notice. Appearance of the final, delivered product may vary from the photographs shown herein.

1.0 SCOPE

- 1.1 This document describes the method and tools required for the insertion and seating of VHDM Backplane Power Modules into printed circuit boards.

2.0 TOOLS

- 2.1 Power Module Seating Head – Part No. 694-1275-000



Figure 1 - Seating Head

- 2.2 XY (Manual) Press
2.3 Pallet to Support PC Board
2.4 One Piece of 0.005 Gauge Shim Stock or Starrett Feeler Gauge Stock

3.0 PROCEDURE

- Step 1 Locate the correct seating head and pallet.
- Step 2 Place pallet onto press. Complete the following:
- Pallet must be squarely and correctly positioned below the seating head.
 - Pallet must be pinned to the press.
 - Board must be pinned to the pallet.
 - Loading head must be pinned to the ram.
- Step 3 Verify that the press is on the XY setting; there is no air pressure needed.
- Step 4 Place circuit board on pallet, ensuring holes of PC board are in position. Place power module onto backplane (see Figure 2). Ensure module is in correct orientation per documentation.

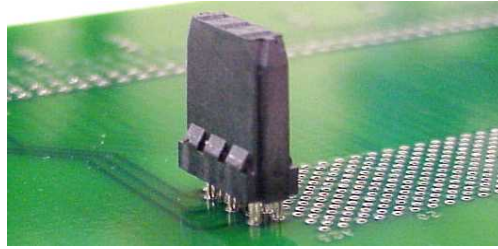


Figure 2 - Place Power Module on Board

Step 5 Bring the seating head directly over the backplane power module (see Figure 3).

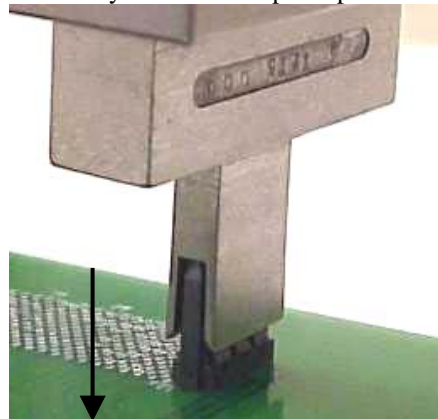


Figure 3

Step 6 Center seating head over backplane power module assembly.

Step 7 Position seating head onto power module assembly before final seating.

NOTE: Ensure that seating head will not come into contact with other components directly to either side of connector assembly before engaging the press cycle.

Step 8 Pull handle of press down manually until module seats. Use one piece of 0.005 gauge shim or Feeler stock (see Figure 4) to verify proper seating depth (0.005).

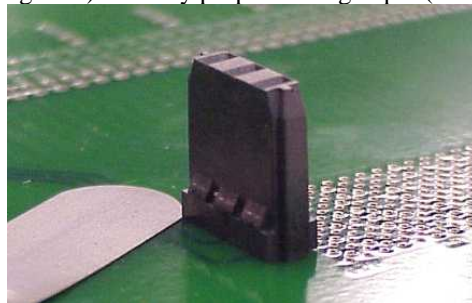


Figure 4 - Verifying Proper Seating with Feeler Gauge Stock