AMPHENOL TCS

TB-2048

VHDM® BACKPLANE SIGNAL PIN AND SHIELD REPLACEMENT PROCEDURE

Revision "C"

Specification Revision Status

Revision	SCR No.	Description	Initial	Date
"-"	26357	Initial Release	T. Do	12-18-98
"A"	39904	New Template, Added Trade Mark	P. Yeh	9-13-02
"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

1.0 SCOPE

1.1 This technical bulletin outlines the process to replace single or multiple signal pins and signal backplane shields.

2.0 TOOLS

2.1 Insertion Tool

2.1.1 6 Row - Part No. 600-1876-590

2.1.2 8 Row – Part No. 600-1877-590

2.2 Small Plastic Hammer

3.0 PROCEDURE

Step 1 Locate the position to insert the new signal pin (s) or shield (s). To insert a new signal pin use one of the following tools:

6 Row - Part No. 600-1876-590

8 Row – Part No. 600-1877-590

Place the signal pin into the tool such that the shoulders of the pin (Points A) are flush with the mating face of the tool (Point B) as shown and make sure that the pin is in the correct orientation (see Figure 1).

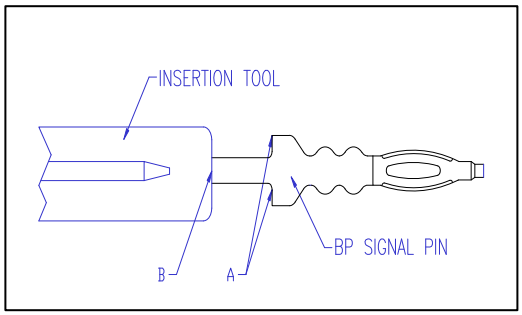

Figure 1

Step 2 To replace the pin, slowly insert the tool into the backplane insulator. Make sure that the ribs on the tool aligns with the backplane insulator slots as shown in Figure 2. Make sure that the tool is

not stubbing any of the other signal pins or the neighboring shield. As the pin begins to enter the backplane insulator and then the plated through hole, additional force will be require to insert the pin and to seat the pin flush with the backplane insulator. Once the pin has been inserted, slowly remove the tool from the backplane insulator so that other signal pins and shields are not damaged.

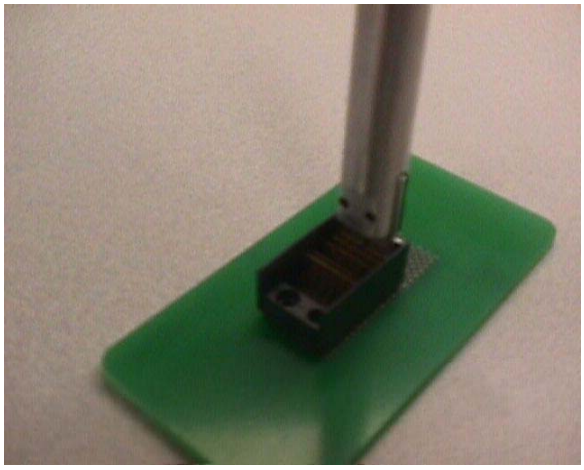

Figure 2

Step 3 To replace the shield, place the new shield into the tool as shown in Figure 3. Make sure that the shield is positioned in the tool in the correct orientation. Start to slowly insert the tool into the backplane insulator. Make sure that the ribs on the tool aligns with the backplane insulator slots. Also make sure that the tool is not stubbing any of the other signal pins or the neighboring shield. As the shield begins to enter the backplane insulator and then the plated through hole, additional force will be require to insert the shield and to seat the shield flush with the backplane insulator. If additional force is required to seat the backplane shield, use the plastic hammer and lightly tap the shield into place (see Figure 4). Once the shield has been inserted, slowly remove the tool from the backplane insulator, so the signal pins are not damaged.

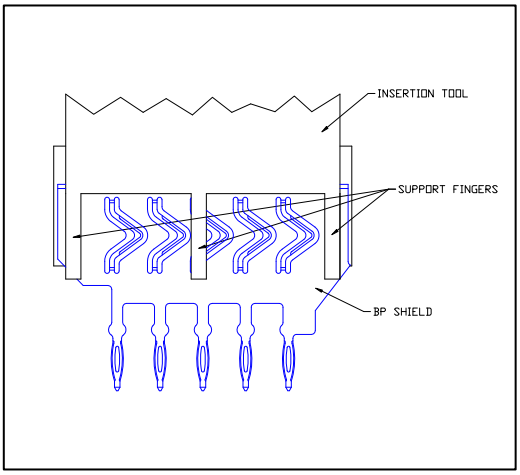

Figure 3

Figure 4

Step 4 Replacement procedure completed.

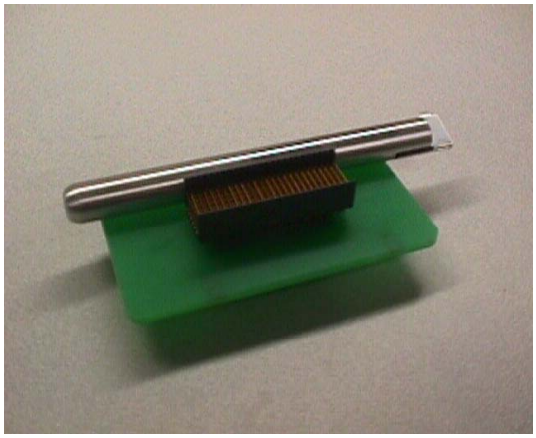

Figure 5