

AMPHENOL TCS

TB-2019

HDM BACKPLANE CONNECTOR MANUAL EXTRACTION TOOL
PART NOS. 600-1750-000 AND 600-1751-000

REVISION "C"

SPECIFICATION REVISION STATUS

<u>Revision</u>	<u>SCR No.</u>	<u>Description</u>	<u>Initial</u>	<u>Date</u>
"A"	26388	Revised in its Entirety	D. Smith	12-18-98
"B"	28987	Revised Paragraph 2.7	R. Roody	9-16-99
"C"	S0080	Replaced template format	M.Lee	02-03-06

Amphenol TCS

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1.0 SCOPE

- 1.1 This technical bulletin covers Amphenol TCS HDM Manual Extraction Tool, Part Nos. 600-1750-000 and 600-1751-000. These tools are used to press the connectors listed in Figure 1 into a printed circuit board. The contacts are on 2mm x 2mm spacing.

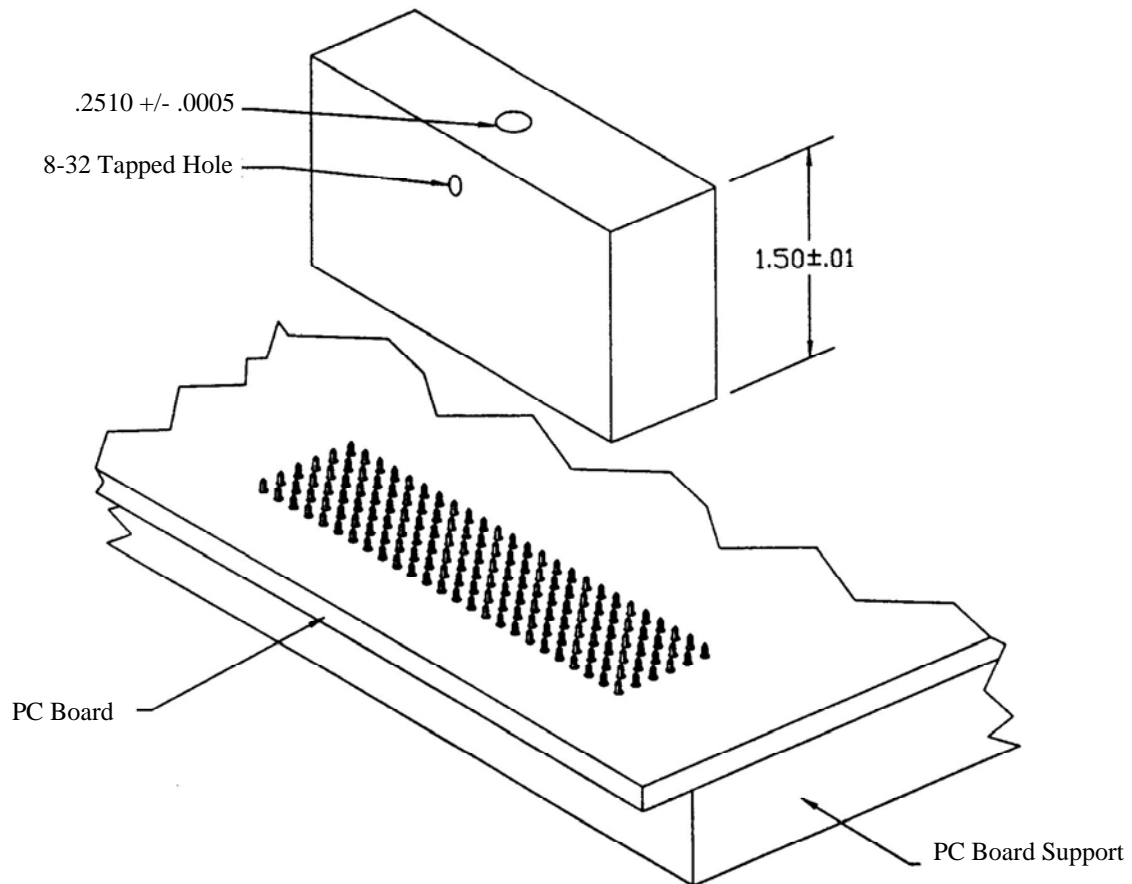


Figure 1

2.0 PROCEDURE

- 2.1 These tools are intended to be used with a manual/hydraulic press. All tools come with one .2510 diameter hole.
- 2.2 Press Requirements
 - 2.2.1 The press used with this tool must be capable of applying approximately 144 inch/pounds per connector.
 - 2.2.2 It is recommended to use a press in which the pressure can be gradually applied to seat the connector to avoid the possibility of overseating the connector and to establish the nominal pressure.
 - 2.2.3 The ability to lock the head and printed circuit board in location is recommended before applying pressure.
- 2.3 Insertion
 - 2.3.1 Verify that you have the correct tool and connector.
 - 2.3.2 Place the board onto the printed circuit board support making sure that it is properly aligned.
 - 2.3.3 Align the head of the tool with the contacts extruding from the opposite side of the board.
 - 2.3.4 Lower the loading head slowly, verifying that the head and contacts align.
 - 2.3.5 Apply pressure to the extraction head until the connector is partially extracted.
 - 2.3.6 Retract the extraction head.
 - 2.3.7 Remove the connector.
 - 2.3.8 Repeat Paragraphs 2.3.1 through 2.3.7 until all the connectors are extracted.
- 2.4 Cautions
 - 2.4.1 Look for damage to either the component or the board. Plastic connectors can be crushed and boards can be crazed (small white spots on the surface of the board) if the pressure is too high,. Parts can also be damaged from handling or inadvertently hitting them with the head/driver. Examine loading head for any debris.

- 2.5 Quality – The tooling has been inspected before shipment. It is recommended that you unpack and inspect the tool immediately to ensure that it has not been damaged during shipping.

2.6 Related HDM Tooling

Tool	Part No.	Bulletin
Backplane Contact Knock-Out Tool	600-1692-000	TB-2007
Backplane Single Contact Insertion Tool	600-1718-000	TB-2011
Backplane Power Module Removal Tool	600-1693-000	TB-2005
Backplane Power Contact Removal Tool	600-1694-000	TB-2006
Backplane Insulator Removal Tool, 144 Positions	600-1697-000	TB-2004
Backplane Insulator Removal Tool, 72 Positions	600-1698-000	TB-2004
Backplane Polarizing and Guide Pin Assembly Press	602-0549-000	TB-2002
Backplane Signal Module Loading Head, 144 Positions	694-0581-000	TB-2001
Backplane Signal Module Loading Head, 72 Positions	694-0655-000	TB-2001
Backplane Power Module Loading Head	694-0586-000	TB-2003
Daughtercard Module Polarizing Key Removal Tool	602-0525-000	TB-2008
Daughtercard Module Polarizing Key Insertion Tool	602-0555-000	TB-2009
Daughtercard Module Removal Tool	600-1701-000	TB-2010

- 2.7 Customer Service and Technical Support for Amphenol TCS connectors is available from:

Amphenol TCS
Attention: Connector Marketing Team
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