

TRANSMISSION LINE CABLES and INTERCONNECTS

V5400 2nd Generation DUT Flex Connector with Interposer

One for One Replacement for "Gold Bump" V5400 DUT Flex Connector

The Interposer DUT Flex connector is a $2^{\rm nd}$ Generation probe card connector for the Verigy (Agilent) V5400 Memory Test System.

The 2nd Generation DUT Connector utilizes interposer technology instead of gold bumps to provide signal transmission between the probe card pads and the DUT connector flex circuit. The interposer DUT connector is functionally compatible with all V5400 probe cards that accommodate the gold bump DUT connector. It is also functionally compatible with current V5400 metrology equipment currently using the gold bump DUT connector.

The Interposer DUT Connector can be used with the Xandex V5400 gold bump style clamp assembly.



V5400 DUT Flex Connector with Interposer

Specifications

Electrical	
Contact Resistance (Interposer):	≤50mΩ
Contact Life	
DUT to Probe Card Cycles:	10
DUT to Clamp Cycles:	5,000

DUT Connector Mechanical

Overall Dimensions (in Inches)	
MAX Width:	0.650
Length:	3.25
Installed Height:	0.99

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Environmental				
Operating Temperature:	Up to 50° C			
Interposer Contact				
Contact Material:	Cu Alloy with Ni/Au plate			
Carrier:	FR4			
Contact Wipe:	YES			
MAX Uncompressed Contact	≤15 mils (one side)			
Height:				
	15 mil MAX			
Million				
Side View of Interposer: Maximum Contact Height				

The diagram below indicates pad location from significant locating features. Note that the left and right side Flex Circuit Pad arrays are not symetrical nor identically spaced from the locating feature. .5940 155X Ø.0315-FLEX CIRCUIT PADS Ø.0084 B C 2X .5840 .121 С c 33X .1190 2X .0000 В В 2 420 2 SURFACES 2 SURFACES 2X 092+020-

How to Order

The critical board thickness dimension that determines the length of installation screws is illustrated below. 0.25 inch total board thickness is typical. For 0.25 inch boards, order the kit number indicated in the table below.

TOTAL BOARD THICKNESS THAT DETERMINES SCREW LENGTH IN TABLE	KIT PART NUMBER	PROBE CARD THICKNESS AT MOUNTING POINT COUNTERBORE (IN INCHES)	MOUNTING SCREW SPECIFICATION
	361-0035-02	MIN 0.10 - MAX 0.19	SCR PHT M2X6 SEMS CUP LW