

Quadrax Contacts, Quadrax Terminators, Transition Adapters

Overview

QUADRAX CONTACTS FOR ARINC CONNECTORS

Amphenol ARINC 600 Rack and Panel connectors can incorporate high speed quadrax contacts as well as coax, twinax and differential twinax contacts. R27 Rack and Panel connectors use the same contacts as ARINC 600 connectors. For more information about rack and panel connectors contact Amphenol Aerospace.



Quadrax Contact for ARINC Connectors

BOARD LEVEL CONNECTORS WITH COMPLIANT QUADRAX CONTACTS

Amphenol also provides compliant quadrax socket contacts and quadrax pin contacts with PC tails for attaching to printed circuit boards. See page 233 for more information.



Compliant Quadrax Socket and PCB Tail Quadrax Pin

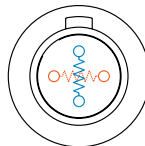
FEED-THROUGH CONNECTOR WITH QUADRAX CONTACTS

Amphenol's feed-through connector is double-ended for through bulkhead applications. Consult Amphenol for more information.



Quadrax Terminators

Amphenol offers a terminator assembly which is a low reactance, resistive impedance match to the characteristic impedance of a transmission line. It is used to terminate the far ends of a transmission line or an open tap so that the energy from signals traveling down the transmission line is absorbed within the resistor and not reflected back down the transmission line causing signal interference (noise). Consult Amphenol for more information.

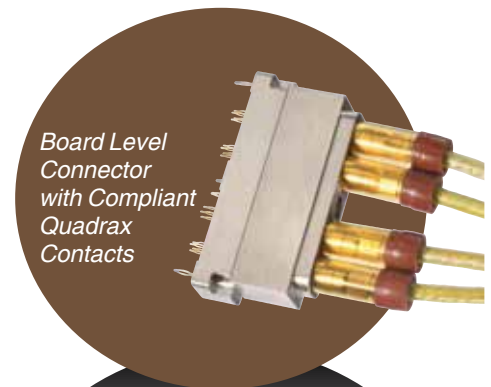


Quadrax Terminator

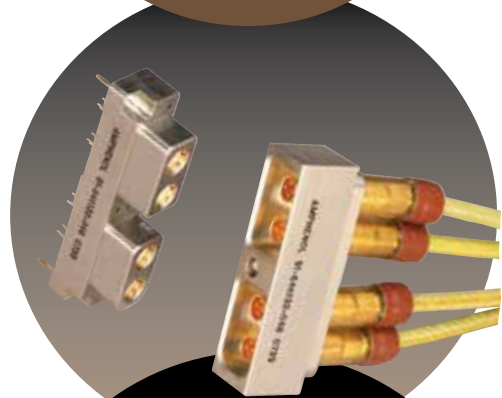
Transition Adapters

In conjunction with its Differential Twinax and Quadrax contacts, Amphenol has developed a full line of Transition Adapters in order to facilitate launching of controlled impedance signals to printed circuit boards. These use differential twinax or quadrax 90° or straight receptacles and they can be either threaded or cable to board direct. The threaded transition adapters provide an ideal method of disconnecting the differential twinax or quadrax connector from the board. See pages 234-240 for further description, performance data and ordering of transition adapters.

Amphenol's newest addition to their high speed interconnect product offering is Micro D-Twinax Transition adapters. See page 238-240 for more information.

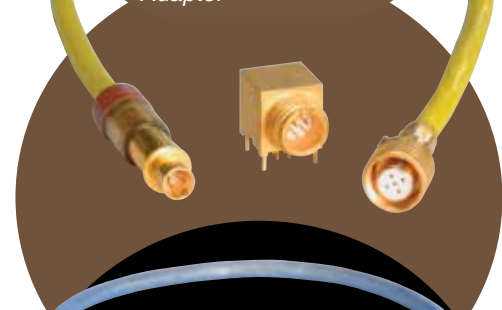


Board Level Connector with Compliant Quadrax Contacts



Straight Quadrax Receptacle Contact

90° Quadrax Receptacle and Plug Transition Adapter



90° Differential Twinax Receptacle and Plug Transition Adapter

38999

III
HD
Dualok
II
I
SJT
Accessories
Aquacon
Herm/Seal
PCB

HIGH SPEED
Fiber Optics
Contacts Connectors Cables

EMI Filter
Transient

26482
Matrix 2

83723 III
Matrix | Pyle

26500
Pyle

5015
Crmp Rear Release Matrix

22992
Class 1

Back-Shell's

Options
Others