Terminal Junction Modules



Electronic Terminal Junction Modules

MIL-T-81714/26 Compatible Class D

Operating Range

Temperature:
-65ºC to 200ºC*
Insulation Resistance:
5000 Megaohms Min. @ 25ºC*
Dielectric Withstanding Voltage:
1500 VRMS at Sea Level
200 VRMS at 100,000 ft.*
Vibration & Shock:
Per MIL-T-81714
Paragraph 3.5.5 & 3.5.9*
Current Rating:
7.5 amps*

Materials

Module Body:
Polyethermide per ASTM-D-5205
Grommet:
Silicone Rubber per A-A-59588
Contact Retainers:
Stainless Steel
Internal Contact:
Copper Alloy, Gold Finish

** May vary due to internal electronic component*

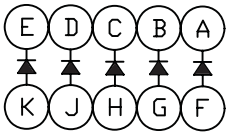
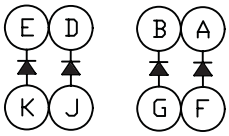
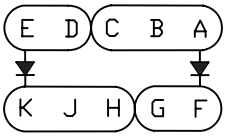
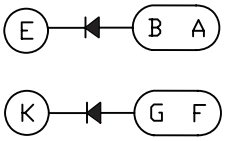
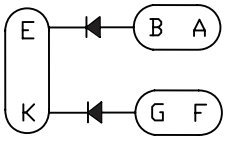
Product Description

Electronic Terminal Junction modules meet all dimensional and performance requirements of M81714/26 and are specifically developed for electronic component packaging. Available For size 20 and 22 contacts, these modules function as highly efficient and reliable Electronic component packages. They improve system efficiency and density by permitting various electronic components such as diodes, resistors, fuses, and capacitors, which usaully take up valuable space elsewhere in the system, to be securely packaged within the module housing.

Amphenol Pcd electronic modules offer significant design, material and construction improvements over competitive modules. Hand soldering operations have been completely eliminated. Electronic components are encapsulated in a semi-rigid elastomer that provides electrical spacing and insulation as well as shock and vibration protection.

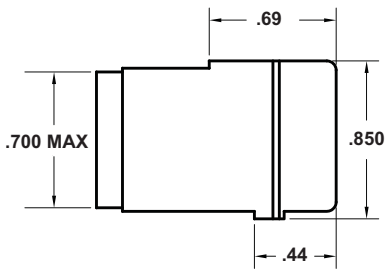
Typical commercially available diode configurations are indicated on this page. A broad variety of additional configurations are available, and modules can be customized to meet specific customerdesigns. Please contact Amphenol Pcd to review requirements and discuss available options.

Amphenol Pcd Terminal Junction Module

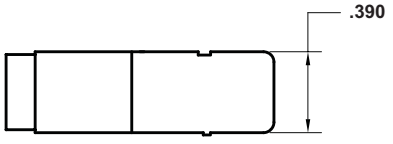
Circuit Diagram	APCD P/N	Diode P/N	Quantity
	TJE120810	JANTX1N5552	5
	TJE120811	JANTX1N5552	4
	TJE120815	1N4005	2
	TJE120998	BYW56	2
	TJE120999	BYW56	2

Terminal Junction Module Dimensions

Top View



Side View



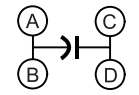
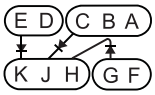
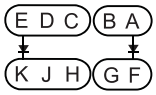
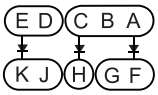
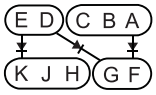
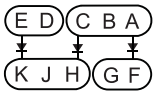
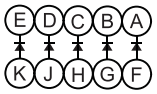
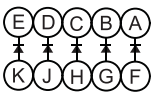
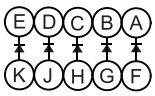
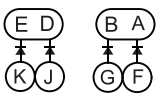
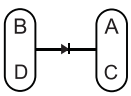
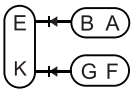
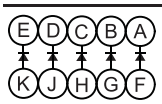
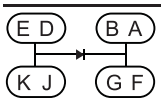
Electronic Terminal Junction Modules

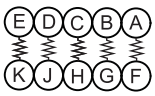
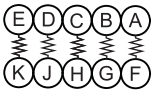
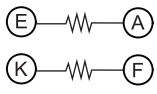
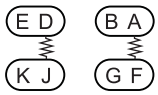
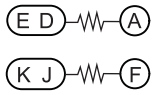
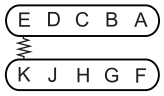
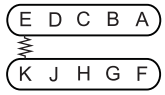
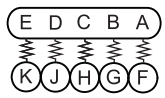
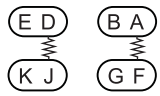
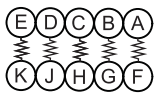
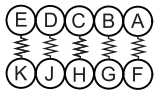
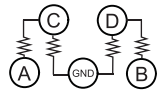
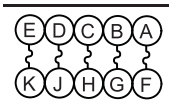
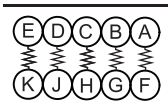
MIL-T-81714/26 Compatible Class D



Amphenol Pcd's Electronic Terminal Junction Modules are available with a variety of components and in a wide range of configurations. Components available include but are not limited to diodes, resistors, fuses, capacitors, thyristors, and inductors, and are also available with multiple components within one module. The following are currently available Electronic Terminal Junction Modules, although there are new configurations produced regularly and customized components are also available.

Amphenol Pcd Electronic Terminal Junction Modules

Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJE120514	Capacitor	620pF	1
	TJE120816	Diode	IN4003	3
	TJE120817	Diode	IN4003	2
	TJE120818	Diode	IN4003	3
	TJE120819	Diode	IN4003	3
	TJE120820	Diode	IN4003	3
	TJE120822	Diode	IN4007	5
	TJE120824	Diode	JANTX1N5618	5
	TJE120826	Diode	IN4006	2
	TJE120827	Diode	JANTX1N5552	2
	TJE120828	Diode	JANTX1N5618	2
	TJE120829	Diode	1N5618	2
	TJE120831	Diode	1N5618	2
	TJE120833	Diode	1N5418	2

Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJE120900	Resistor	10 K Ω,1/8 W	5
	TJE120902	Resistor	150K Ω,1/8 W	5
	TJE120903	Resistor	33 Ω,1/4 W	2
	TJE120904	Resistor	1K Ω,1/8 W	2
	TJE120905	Resistor	1K Ω,1/2 W	2
	TJE120906	Resistor	150 Ω,1/2 W	1
	TJE120907	Resistor	180 Ω,1/2 W	1
	TJE120908	Resistor	Various Ω,1/2 W	5
	TJE120920	Resistor	54K,6K Ω,1/2W	2
	TJE120921	Resistor	500K Ω,1 W	5
	TJE120922	Resistor	Various Ω,1/2 W	5
	TJE120924	Resistor	1K Ω,1/4 W	4
	TJE120927	Fuse	1 AMP	5
	TJE120928	Resistor	1.3K Ω,1/2 W	5

Amphenol Pcd