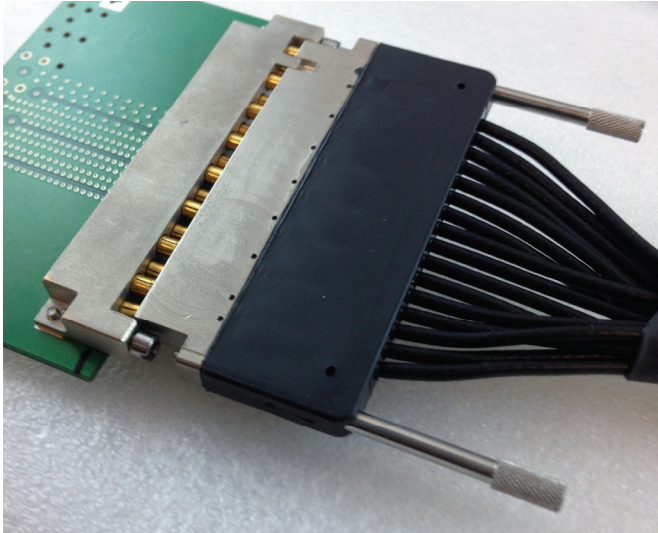


328 Series

75 Ohm 16-Position Gang Mate MCX System



Product Description

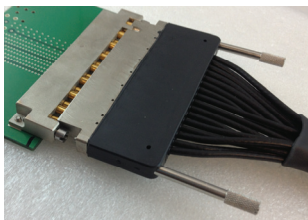
Winchester's new 328 Series Gang Mate MCX Connector System is compliant with SMPTE 424M-2006 and features a 75 Ohm MCX Connector design optimized for use with Belden 179DT cable.

Our new 328 Series Gang Mate MCX 75 Ohm Connector System was designed for cable-to-printed circuit board (PCB) applications and consists of 16-position vertical and right-angle PCB Connectors, and overmolded cable assemblies with 16-position male connectors.

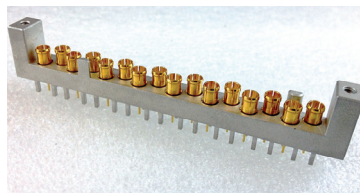
Users will benefit from the ease and time savings of mating and unmating a single connector versus an array of individual connectors.

Designers will benefit from the PCB real estate savings, its low profile, and RF performance.

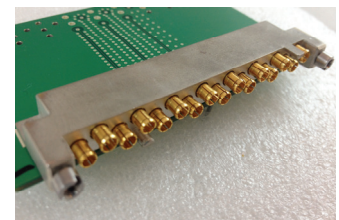
Additional position sizes are available upon request.



- Molded cable assembly connectors feature male jackscrews with 3-48UNC-2A threads to secure the connector to mating PCB connectors.



- PCB connectors contain two alignment posts to provide guidance for the mating cable connector as well as polarization to prevent connectors from being mismatched.



- Right-angle PCB connectors are low profile and sit just 0.295" above the PCB surface and designed for applications with as low as 0.5" card slot pitch.

Specifications

Electrical

Impedance: 75 Ohms
 Frequency (GHz): DC to 6 GHz
 RF-Leakage: 60 dB Min at 1 GHz
 Dielectric
 Withstanding Voltage: 500 VRMS at Sea Level
 VSWR: Straight 1.06 Max DC-2.5 GHz
 Right-Angle 1.08 Max DC-2.5 GHz
 Contact Resistance: Center \leq 5 m Ω
 Outer \leq 2.5 m Ω
 Insulation Resistance: 10,000 m Ω Min
 Insertion Loss: 0.10 dB at 1 GHz

Mechanical

Mating: Snap-on Coupling
 Contact Captivation: 2.3 lbs. (10N)
 Engagement Force: \leq 5.6 lbs. (25N)
 Disengagement Force: \geq 2.3 lbs. (10N)
 Durability (Mating): 500 cycles Min

Environmental

Temperature Range: -65° C to +165° C
 Thermal Shock: MIL-STD-202 Method 107
 Moisture Resistance: MIL-STD-202 Method 105
 Corrosion Resistance: MIL-STD-202 Method 101
 Mechanical Shock: MIL-STD-202 Method 101
 Humidity: MIL-STD-202 Method 101

Material

Insulator Material: PTFE
 Body Material: Brass
 Body Finish: Nickel / Tri-Metal
 Contact Material: Male Brass
 Female BECU
 Copper or Brass,
 Nickel Plated
 Gold
 Crimp Ferrule:
 Contact Finish:
 RoHS Compliant: Yes



Photo 1

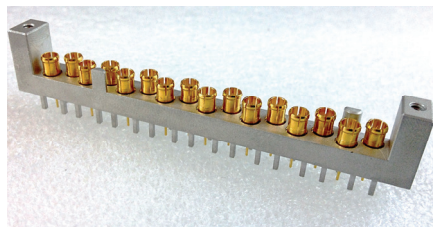


Photo 2

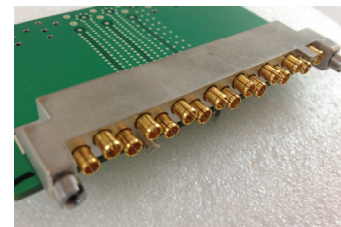


Photo 3

Part Numbering

Part Number	Description	Cable length (FT)*	PCB Thickness	Photo
328N-328-1970-XXX	Cable Assembly, Male Plug-to-Male Plug, 16-Position	-XXX Cable Length	N/A	1
328A-099-00401N	Vertical, Female Jack, PCB Connector, 16-Position	N/A	0.062"	2
328C-099-00401N	Right-Angle, Female Jack, PCB Connector, 16-Position	N/A	0.062"	3

* XXX Cable Length specified in Feet
 "012" = 12 Feet



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