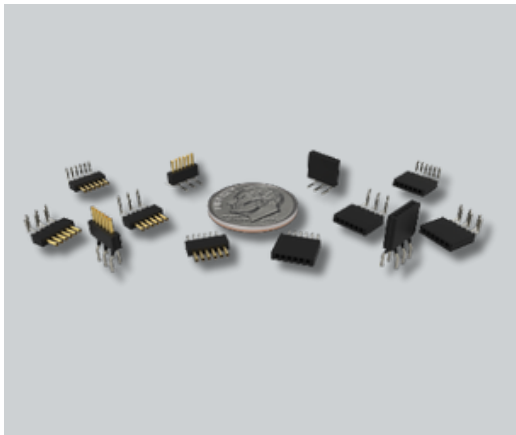


Printed Circuit Board

Winchester Interconnect Micro offers Micro Strip Printed Circuit Board Connectors designed for secure and reliable board-level connections. Built to withstand mechanical stress and harsh conditions, these connectors deliver consistent electrical performance with stable mating and unmating characteristics. Ideal for demanding environments requiring long-term reliability and durability.

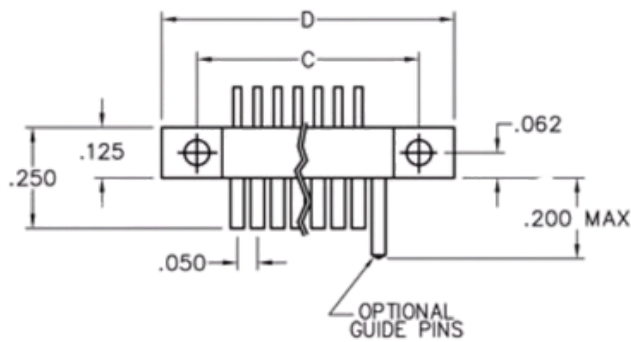
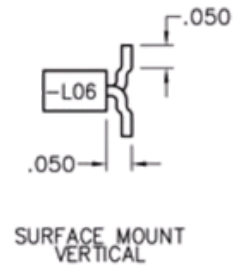
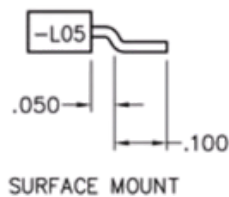
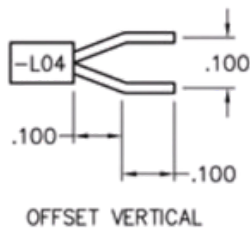
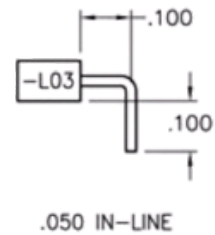
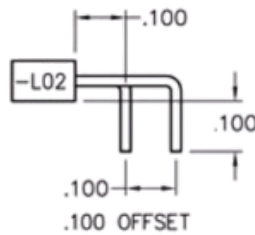
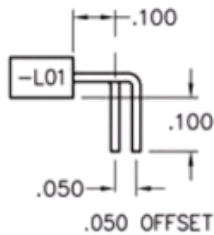
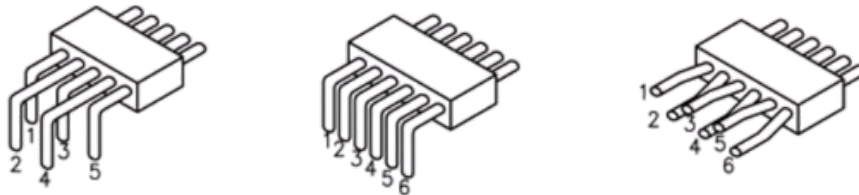


KEY FEATURES & BENEFITS

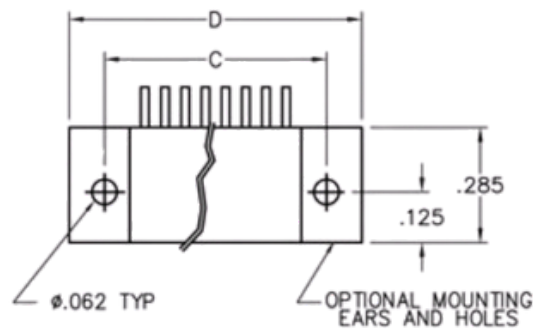
- **Reliable Connection Performance** – Engaging force of 6 oz max and separation force of 0.5 oz min (Signal contacts only).
- **Stable Mating/Unmating** – Designed with 10 oz x # of contacts max (Signal contacts only) for smooth, repeatable engagement.
- **Rugged and Durable** – Tested to endure 500 matings while maintaining consistent contact resistance and mechanical integrity.
- **Vibration Resistant** – Qualified per EIA-364-28 Condition IV for dependable operation under dynamic conditions.
- **Shock Tested** – Meets EIA-364-27 Condition E standards to ensure durability under mechanical impact.
- **Built for Harsh Environments** – Engineered for applications requiring reliability and stability under vibration, shock, and frequent mating cycles.

Micro Strip Printed Circuit Board

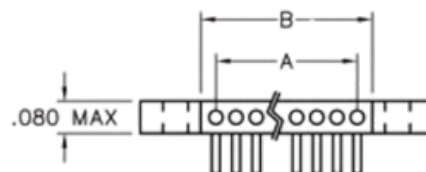
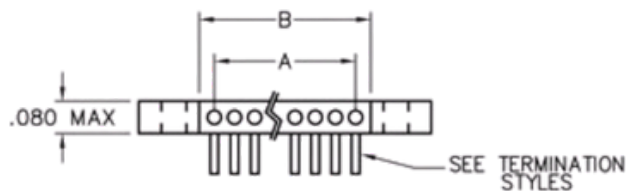
DIMENSIONAL



Receptacle



Plug



Micro Strip Printed Circuit Board

PERFORMANCE

Electrical Properties	
Contact Resistance	8 milliohm max contact only and 32 milliohms max with 6" wire @ 2.5A
Current Rating	3A max.
Dielectric WithStanding Voltage	600 VAC at sea level, 150 VAC at 70,000 feet. 1mA leakage current max.
Insulation Resistance	500 VDC and 5000 Megohms min.

Mechanical Properties	
Engaging Force	6 oz max. (Signal contacts only, no data for Power or Coax contacts)
Separation Force	.5 oz. min. (Signal contacts only, no data for Power or Coax contacts)
Mating/Unmating Force	10 oz x # of contacts max. (Signal contacts only, no data for Power or Coax contacts)
Vibration	EIA-364-28 Condition IV, 1 microsecond max discontinuity
Shock	EIA-364-27 Condition E, 1 microsecond max discontinuity
Durability	500 matings, passes Mating Force, CR, Eng and Sep Forces
Salt Spray	EIA 364-26 Condition B-48 hours

Micro Strip Printed Circuit Board

MATERIALS

Materials and Finishes	
Signal Pin Contacts	C17200 Beryllium Copper per ASTM B194
Signal Socket Contacts	C31400 Bronze Alloy per ASTM B140
Contact Plating	.000050 Thk Gold Plating per ASTM B488
Insulator Material	Polyphenylene Sulfide (PPS) Per MIL-M-24519 GST-40F
Hardware	Passivated Stainless Steel Per MIL-DTL-83513/05
Strip Latch	C17200 Beryllium Copper per ASTM B194, Electroless Nickel plated per AMS 2404

Micro Strip Printed Circuit Board

HOW TO ORDER

Connector definition **

Micro-D Strip Series
S = Micro Strip

Insulator Material
R = PPS

Size (No. of Contacts)
2 Min to 43 Max
02 = 2 position
03 = 3 position
Etc.
(Mounting/Coupling Hardware will reduce the maximum number of positions available)

Contact Gender & Type
P = Pin, Crimp Type
N = Pin, Solder Cup (26 & 24 AWG)
S = Socket, Crimp Type
T = Socket, Solder Cup (26 AWG)
TT = Socket, Solder Cup (24 AWG)

Mounting/Mating/Coupling Hardware
(May be Combined as required, options are separated by a dash)
0 = No Mating/Coupling Hardware
1 = One Guide Pin (Socket Side),
One Guide Pin Hole (Pin Side)
2 = Guide Pin on each end (Socket Side)
Guide Pin Hole on each end (Pin Side)
3 = Center Jackscrew (Socket Side)
One threaded Hole (Pin Side)
4 = Mounting Holes at each end
5 = Jackscrew at each end (Socket Side)
LH = Horizontal latch before position 1
LH2 = Horizontal latch at each end
LC = Center Latch
GX = Guide pin in position X
LX = Vertical latch where X is the contact position immediately following the latch.
(i.e. L2 = Vertical latch positioned before position 2)

**** For double ended assemblies, include definition for both ends separated by a forward slash (/)**

Special designator - SPL is to be added to the end of the part number if the connector cannot be fully defined by the rest of the engineering number

Temperature Rating (Omit for standard Temp, 125°C)
Blank = 125°C
HT = 200°C
LO = 4 Kelvin (only available with solder cup contacts)

Lead Length (Omit for Solder Cup contacts)
XX.X = Length in Inches
MXX = Metric Length (CM)

Circuit Termination (Omit if Wired or Solder Cup)
L01 = .050" Offset
L02 = .100" Offset
L03 = .050" In-Line
L04 = .100 Offset Vertical
L05 = Surface Mount Horizontal
L06 = Surface Mount Vertical

Wire Color (Insulated Wire) **or Plating** (Uninsulated Wire) (Omit for Solder Cup Contacts)
1 = All White
2 = All Yellow
3 = Pure Tin Plated (Uninsulated Wire) (RoHS Compliant)
4 = Gold Plated (Uninsulated Wire) (RoHS Compliant)
5 = Color Code per MIL-STD-681
6 = Color Code per MIL-STD-681, Repeat Solid Colors
L = Tin/Lead (minimum 3% Lead) plated (Uninsulated Wire) (Not RoHS Compliant) (Not Available with high temp (HT) connectors)

Wire Type (Omit for Solder Cup Contacts)
C = Solid Wire, Uninsulated Per A-A-59551
E = Stranded Wire, NEMA HP3 Type E
F = Stranded Wire Per NEMA HP3 Type ET
M = Stranded Wire per AS22759/11
U = Stranded Wire per AS22759/12
Y = Stranded Wire per AS22759/33
G = 19 stranded wire per NEMA HP3
B = Stranded Wire, PVC Insulated (This wire is no longer used.)

Wire Gauge (Omit for Solder Cup Contacts)
24, 26, 28, & 30 AWG
(25 AWG is available with type C Solid wire)

Example Part Number: S R 05 P 1 - 26 E 5 - L01 - 18.0 - HT SPL