

Vertical Angle .075 X .100 (Style 6) Connectors

Winchester Interconnect Micro offers Vertical Angle .100 X .075 (Style 6) Connectors. Style 6 is a condensed footprint vertical connector designed to fit circuit board applications. Sharing the same condensed footprint as Style 16, it is recommended for new designs over the older Style 4 (BS). The termination footprints are contained within the connector body envelope, providing optimal space savings. Spacing between rows is 0.075 on all layouts, and spacing between contacts in any one row is 0.100 on the 9– 37 layouts and 0.075 on the 51 and 100 layouts.

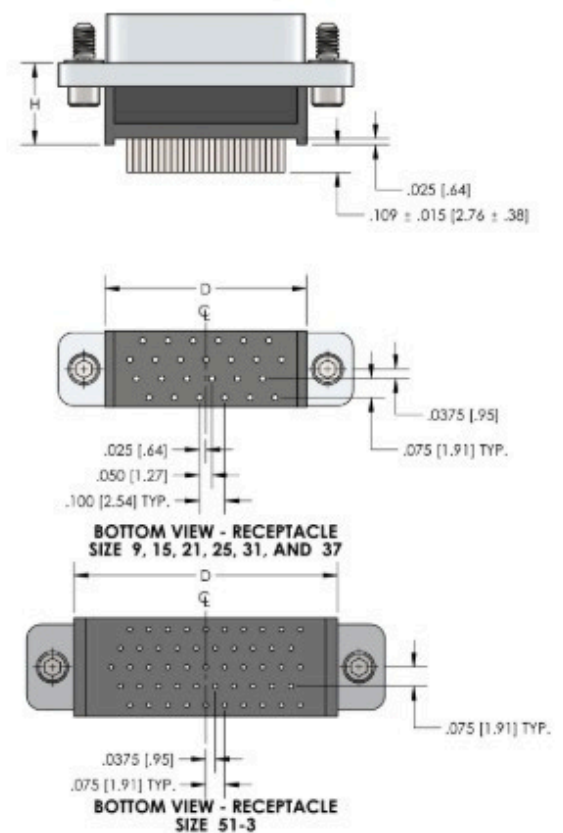
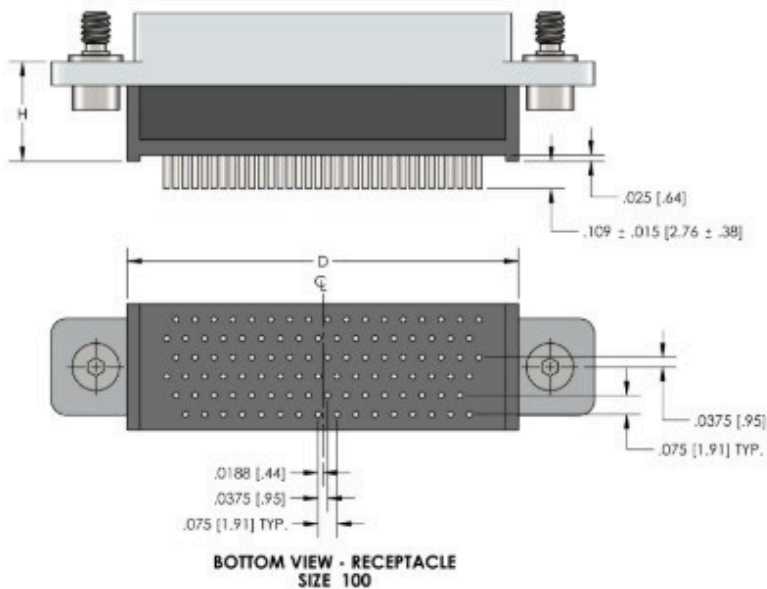


KEY FEATURES & BENEFITS

- Condensed Vertical Design – Optimized for circuit board applications.
- Space-Saving Footprint – Terminations contained within the connector body.
- Modern Replacement – Recommended for new designs over Style 4 (BS).
- Uniform Spacing – 0.075 between rows; 0.100 (9–37) and 0.075 (51–100) between contacts.
- Compact Configuration – Ideal for high-density interconnect solutions.
- Reliable Performance – Ensures consistent connection integrity in critical systems.

Micro-D PCB Vertical Angle.075 X .100 (Style 6)

DIMENSIONAL



Size	A Max.	B Nom.	C Max.	E Max.	F Max.	H Max.
9	.785 (19.94)	.565 (14.35)	.400 (10.16)	.308 (7.82)	.310 (7.87)	.330 (8.38)
15	.935 (23.75)	.715 (18.16)	.550 (13.97)	.308 (7.82)	.310 (7.87)	.330 (8.38)
21	1.085 (27.56)	.865 (21.97)	.700 (17.78)	.308 (7.82)	.310 (7.87)	.330 (8.38)
25	1.185 (30.10)	.965 (24.51)	.800 (20.32)	.308 (7.82)	.310 (7.87)	.330 (8.38)
31	1.335 (33.91)	1.115 (28.32)	.950 (24.13)	.308 (7.82)	.310 (7.87)	.330 (8.38)
37	1.485 (37.72)	1.265 (32.13)	1.100 (27.94)	.308 (7.82)	.310 (7.87)	.330 (8.38)
51-3	1.435 (36.45)	1.215 (30.86)	1.045 (26.54)	.308 (7.82)	.400 (10.16)	.345 (8.76)
100	2.165 (54.99)	1.800 (45.72)	1.550 (39.37)	.394 (10.01)	.510 (12.95)	.400 (10.16)

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PERFORMANCE

Electrical Properties	
Contact Resistance	8 millihom max contact only + any solid lead resistance (depends on wire AWG) @ 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

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MATERIALS

Materials and Finishes	
Signal Pin Contacts	C17200 Beryllium Copper per ASTM B194
Signal Socket Contacts	C21000 Brass Alloy per ASTM B36
Contact Plating	.000050 Thk Gold Plating per ASTM B488
PC Tails	Copper Wire per A-A-59551 Type S
PC Tail Plating	.000320 min thk Tin plating per ASTM B545, or .000300 min thk Tin/Lead with minimum 3% lead plating per SAE-AMS-P-81728, or .000010 thk Gold plating per ASTM B488
Shell	6061-T6 Aluminum per SAE-AMS-QQ-A200/8 or Passivated 300 Series Stainless Steel
Shell Plating	Electroless Nickel per AMS 2404 or Cadmium Plated per SAE-AMS-QQ-P-416
Insulator Material	Polyphenylene Sulfide (PPS) Per MIL-M-24519 GST-40F
Hardware	Passivated Stainless Steel Per MIL-DTL-83513/05
Interfacial Seals	Fluorosilicone per MIL-R-25988 (Std Profile Receptacles only)

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HOW TO ORDER

