



Micro-D Metal Shell MWDM Uninsulated Wire Pigtails



Micro-D Uninsulated Pigtails—These connectors feature gold-plated TwistPin contacts and mil spec crimp termination to gold-plated single strand copper wire. Suitable for soldering or splicing applications, the wire leads can be ordered either gold-plated or solder-dipped.

New One-Piece Socket Contact—An “integral tail” socket contact is now standard on all socket connectors ordered with up to one inch of wire. This phos bronze contact eliminates the crimp joint and offers greater rigidity.

HOW TO ORDER METAL SHELL PIGTAILS, UNINSULATED WIRE MICRO-D CONNECTORS

| Series | Shell Material and Finish | Insulator Material | Contact Layout | Contact Type | Wire Gage (AWG) | Wire Type | Wire Finish | Wire Length Inches | Hardware | | | | | | | | |
|--------|------------------------------|---|----------------|-----------------------|---|--------------------------|-------------------------------|---|--|-----|----|-----|---|---|-----|------|---|
| MWDM | Aluminum Shell | L – LCP 30% Glass-Filled Liquid Crystal Polymer | 9 | P – Pin S – Socket | 4 – #24 (.020") 5 – #25 (.018") 6 – #26 (.016") | C – Single Strand Copper | 3 – Solder-Dipped 4 – Gold | .125 .250 .375 .500 .750 1.000 2.000 Wire Length In Inches. “.500” Specifies Half Inch. | B P M M1 S S1 L K F R | | | | | | | | |
| | 1 – Cadmium | | 15 | | | | | | | | | | | | | | |
| | 2 – Nickel | | 21 | | | | | | | | | | | | | | |
| | 4 – Black Anodize | | 25 | | | | | | | | | | | | | | |
| | 5 – Gold | | 31 | | | | | | | | | | | | | | |
| | 6 – Chem Film | | 37 | | | | | | | | | | | | | | |
| | | | 51 | | | | | | | | | | | | | | |
| | | | 51-2 | | | | | | | | | | | | | | |
| | Stainless Steel Shell | | 67 | | | | | | | | | | | | | | |
| | | | 69 | | | | | | | | | | | | | | |
| | 3 – Passivated | | 100 | | | | | | | | | | | | | | |
| | Sample Part Number | | | | | | | | | | | | | | | | |
| | MWDM | | 2 | | | | | | | L – | 37 | P – | 5 | C | 4 – | .250 | M |

MICRO-D MOUNTING HARDWARE

| B | P | M | M1 | S | S1 | L | K | F | R |
|---|--|---|--|--|---|--|--|--|---|
| | | | | | | | | | |
| Thru-Hole Order Hardware Separately | Jackpost Removable Includes Nut and Washer | Jackscrew Hex Head Removable E-ring | Jackscrew Hex Head Removable E-ring Extended | Jackscrew Slot Head Removable E-ring | Jackscrew Slot Head Removable E-ring Extended | Jackscrew Hex Head Non-Removable | Jackscrew Slot Head Non-Removable Extended | Float Mount For Front Panel Mounting | Float Mount For Rear Panel Mounting |

Micro-D Metal Shell MWDM Uninsulated Wire Pigtails

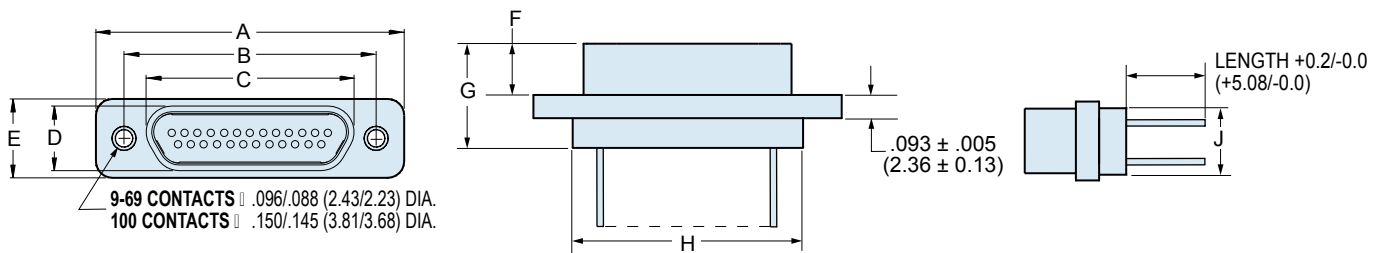


PERFORMANCE SPECIFICATIONS

| | |
|---------------------------|-------------------------------|
| Current Rating | 3 AMP |
| DWV | 600 VAC Sea level |
| Insulation Resistance | 5000 Megohms Minimum |
| Contact Resistance | 8 Milliohms Maximum |
| Low Level Contact Resist. | 32 Milliohms Maximum |
| Magnetic Permeability | 2 μ Maximum |
| Operating Temperature | -55° C. to +150° C. |
| Shock, Vibration | 50 g., 20g. |
| Mating Force | (10 Ounces) X (# of Contacts) |

MATERIALS AND FINISHES

| | |
|------------------|---|
| Connector Shell | Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options |
| Insulator | Liquid Crystal Polymer (LCP) |
| Interfacial Seal | Flourosilicone Rubber, Blue |
| Pin Contact | Beryllium Copper Gold over Nickel Plating |
| Socket Contact | Copper Alloy Gold Over Nickel Plating |
| Hardware | 300 Series Stainless Steel |
| Encapsulant | Epoxy Resin Hysol EE4215 |



DIMENSIONS

| Layout | A Max. | | B | | C Max. | | D Max. | | E Max. | | F | |
|--------|--------|-------|------------|------------|--------|-------|--------|------|--------|-------|------------|------------|
| | In. | mm. | In. ± .003 | mm. ± 0.08 | In. | mm. | In. | mm. | In. | mm. | In. ± .003 | mm. ± 0.08 |
| 9P | .785 | 19.94 | .565 | 14.35 | .333 | 8.46 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 9S | .785 | 19.94 | .565 | 14.35 | .400 | 10.16 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 15P | .935 | 23.75 | .715 | 18.16 | .483 | 12.27 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 15S | .935 | 23.75 | .715 | 18.16 | .551 | 14.00 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 21P | 1.085 | 27.56 | .865 | 21.97 | .633 | 16.08 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 21S | 1.085 | 27.56 | .865 | 21.97 | .701 | 17.81 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 25P | 1.185 | 30.01 | .965 | 24.51 | .733 | 18.62 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 25S | 1.185 | 30.01 | .965 | 24.51 | .801 | 20.35 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 31P | 1.335 | 33.91 | 1.115 | 28.32 | .883 | 22.43 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 31S | 1.335 | 33.91 | 1.115 | 28.32 | .951 | 24.16 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 37P | 1.485 | 37.72 | 1.265 | 32.13 | 1.033 | 26.24 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 37S | 1.485 | 37.72 | 1.265 | 32.13 | 1.101 | 27.96 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 51P | 1.435 | 36.45 | 1.215 | 30.86 | .983 | 24.97 | .224 | 5.69 | .351 | 8.92 | .183 | 4.65 |
| 51S | 1.435 | 36.45 | 1.215 | 30.86 | 1.051 | 26.70 | .293 | 7.44 | .351 | 8.92 | .195 | 4.95 |
| 51-2P | 1.835 | 46.61 | 1.615 | 41.02 | 1.384 | 35.15 | .184 | 4.67 | .308 | 7.82 | .183 | 4.65 |
| 51-2S | 1.835 | 46.61 | 1.615 | 41.02 | 1.450 | 36.83 | .250 | 6.35 | .308 | 7.82 | .195 | 4.95 |
| 67P | 2.235 | 56.77 | 2.015 | 51.18 | 1.784 | 45.31 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 |
| 67S | 2.235 | 56.77 | 2.015 | 51.18 | 1.850 | 46.99 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 |
| 69P | 1.735 | 44.07 | 1.515 | 38.48 | 1.284 | 32.61 | .224 | 5.69 | .351 | 8.92 | .183 | 4.65 |
| 69S | 1.735 | 44.07 | 1.515 | 38.48 | 1.350 | 34.29 | .293 | 7.44 | .351 | 8.92 | .195 | 4.95 |
| 100P | 2.170 | 55.12 | 1.800 | 45.72 | 1.383 | 35.13 | .270 | 6.86 | .394 | 10.01 | .183 | 4.65 |
| 100S | 2.170 | 55.12 | 1.800 | 45.72 | 1.451 | 36.86 | .333 | 8.46 | .394 | 10.01 | .195 | 4.95 |