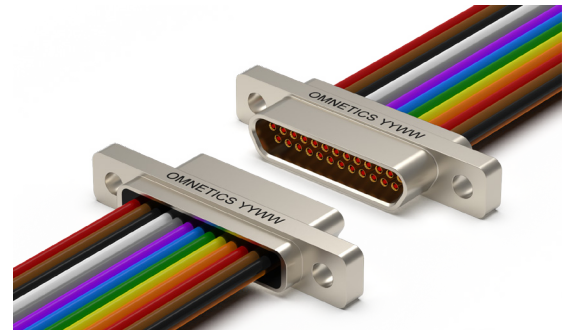


LOW PROFILE MICRO-D DISCRETE LEADWIRE (TYPE WD)

Small and lightweight designs require reliable connectivity solutions that can be easily installed in compact packages. Omnetics' **Low-Profile Micro-D Discrete Leadwire connectors** measure 2.34 mm thinner than a standard Micro-D, and feature flexible leadwire cabling to give designers the flexibility to create streamlined systems. These powerful connectors are ideal for small devices for the military, aerospace, oil and gas, and medical industries, such as optics, guidance systems, and on-board equipment. They can endure more than 2,000 mating cycles in operating conditions that include temperate extremes ranging from -55° to 200°C. Available in a range of shell, plating, and pin options to meet your system requirements.



Electro-Mechanical Specifications

| TYPE | PERFORMANCE |
|---------------------------|---|
| Durability | > 2000 Mating Cycles min |
| Temperature | -55°C to +125°C (200 °C w/HTE) |
| Current rating | 3 Amps per contact per MIL-DTL-83513 |
| Voltage Rating (DWV) | 600 VAC RMS Sea Level |
| Insulation Resistance | 5,000 Megohms @ 500 VDC |
| Shock | 50 g's with no discontinuities > 1 microsecond |
| Vibration | 20 g's with no discontinuities > 1 microsecond |
| Thermal Vacuum Outgassing | 1.0% max TML, 0.03% max CVCM - NASA SP-R-0022 |
| Contact Resistance | 26 milliohms (65 mV) max @ 2.5 Amps per MIL-DTL-83513 |
| Mating/Unmating Force | 3 oz. (.85g) typical per contact |

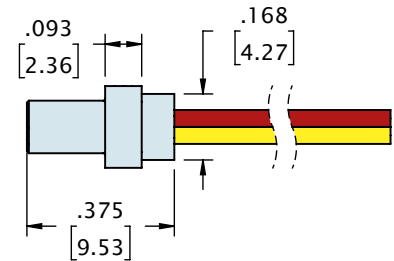
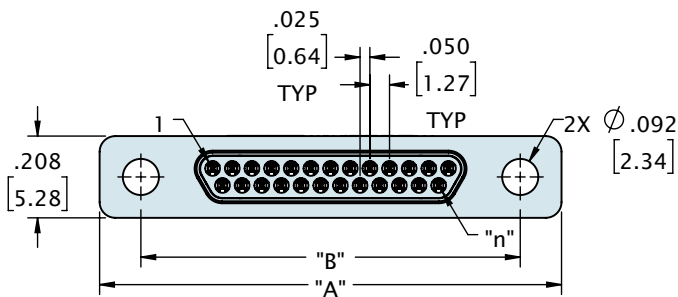
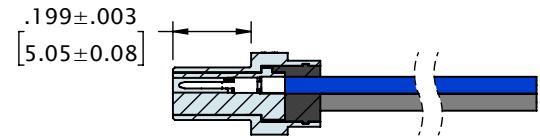
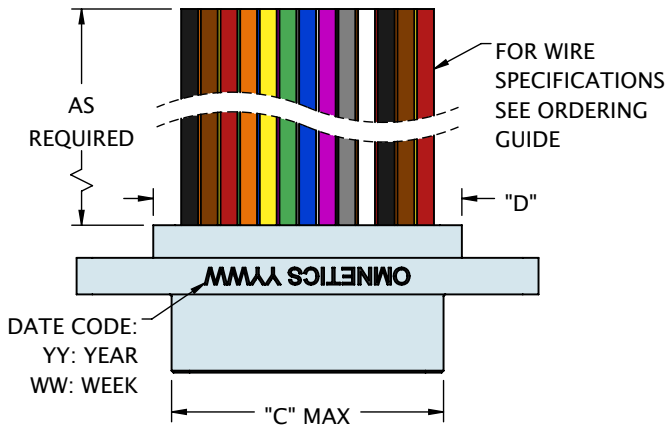
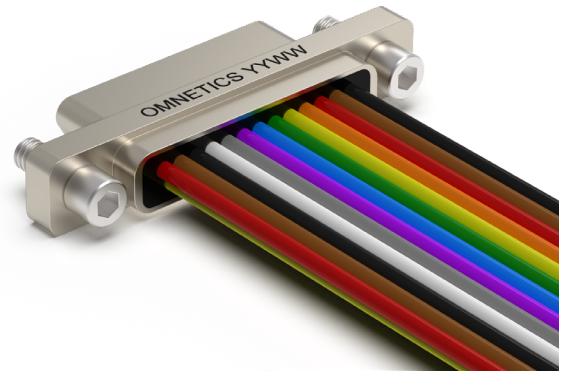
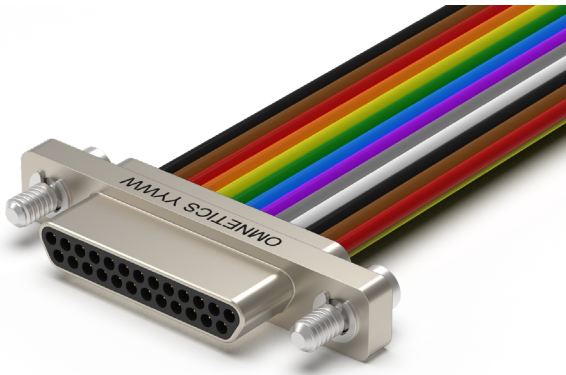
Material Specifications

| TYPE | PERFORMANCE |
|------------------|--|
| Contact | Copper Alloy Per MIL-DTL-83513 |
| Contact Finish | Gold per ASTM B488, Type II, Class 1.27, Code C Over Nickel Underplate |
| Insulator | Thermoplastic per MIL-M-24519 |
| Interfacial Seal | Silicone Elastomer per A-A-59588 |
| Hardware | Stainless Steel, 300 Series, Passivated per SAE AMS-2700 |

Shell Options

| MATERIAL | FINISH |
|-----------------------------|-------------------------------------|
| Aluminum 6061 | Electroless Nickel per SAE-AMS-2404 |
| Stainless Steel, 300 Series | Passivated per SAE-AMS-2700 |

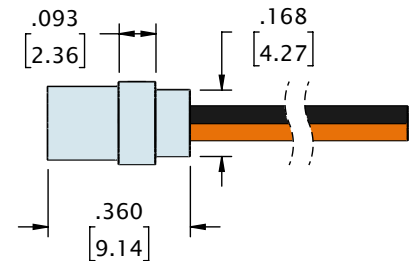
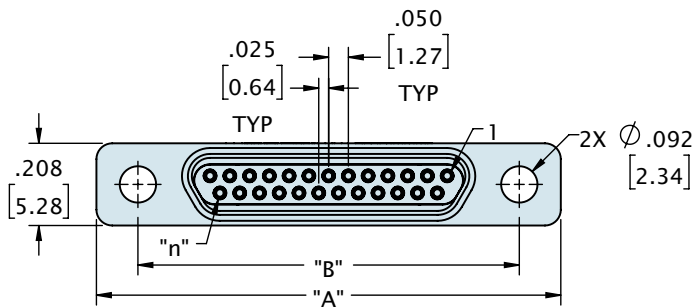
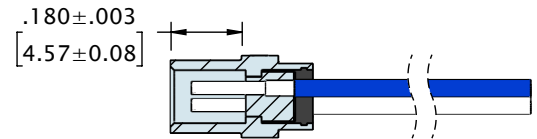
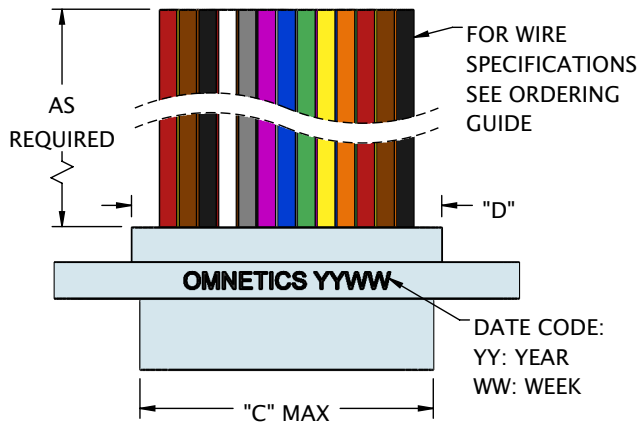
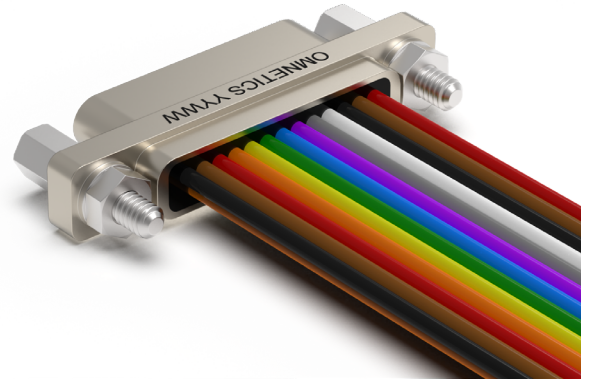
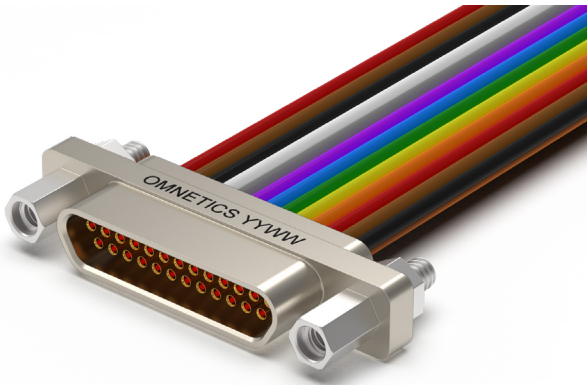
LOW PROFILE MICRO-D DISCRETE LEADWIRE (TYPE WD)



| CONTACTS | ROWS | "A" | "B" | "C" | "D" |
|----------|------|---------------|---------------|--------------|---------------|
| 9 | 2 | .775 [19.69] | .565 [14.35] | .292 [7.42] | .385 [9.78] |
| 15 | 2 | .925 [23.50] | .715 [18.16] | .442 [11.23] | .535 [13.59] |
| 21 | 2 | 1.075 [27.31] | .865 [21.97] | .592 [15.04] | .685 [17.40] |
| 25 | 2 | 1.175 [29.85] | .965 [24.51] | .692 [17.58] | .785 [19.94] |
| 31 | 2 | 1.325 [33.66] | 1.115 [28.32] | .842 [21.39] | .935 [23.75] |
| 37 | 2 | 1.475 [37.47] | 1.265 [32.13] | .992 [25.20] | 1.085 [27.56] |

DIMENSIONS IN [] ARE IN MILLIMETERS AND ARE FOR REFERENCE ONLY

LOW PROFILE MICRO-D DISCRETE LEADWIRE (TYPE WD)



| CONTACTS | ROWS | "A" | "B" | "C" | "D" |
|----------|------|---------------|---------------|---------------|---------------|
| 9 | 2 | .775 [19.69] | .565 [14.35] | .358 [9.09] | .385 [9.78] |
| 15 | 2 | .925 [23.50] | .715 [18.16] | .508 [12.90] | .535 [13.59] |
| 21 | 2 | 1.075 [27.31] | .865 [21.97] | .658 [16.71] | .685 [17.40] |
| 25 | 2 | 1.175 [29.85] | .965 [24.51] | .758 [19.25] | .785 [19.94] |
| 31 | 2 | 1.325 [33.66] | 1.115 [28.32] | .908 [23.06] | .935 [23.75] |
| 37 | 2 | 1.475 [37.47] | 1.265 [32.13] | 1.058 [26.87] | 1.085 [27.56] |

DIMENSIONS IN [] ARE IN MILLIMETERS AND ARE FOR REFERENCE ONLY