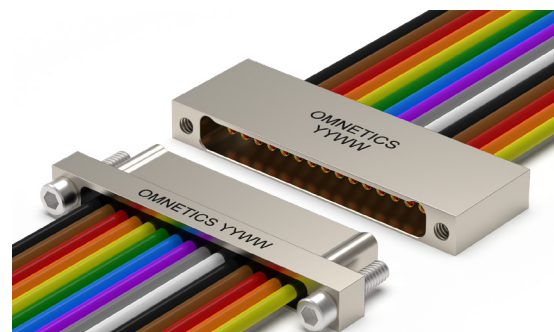


SINGLE ROW MICRO-D DISCRETE WIRED (TYPE WD)

Omnetics' **Single Row Micro-D Discrete Leadwire connectors** serve slim and compact applications destined for rugged operating environments. Available with 4 to 37 contacts in a streamlined single row, this tiny connector offers the flexibility of a leadwire cable and the durability needed for the military, aerospace, oil and gas, and medical industries. Omnetics builds these trim, rugged connectors to meet or exceed the demanding requirements of MIL-DTL-83513. 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 an extensive range of systems.



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

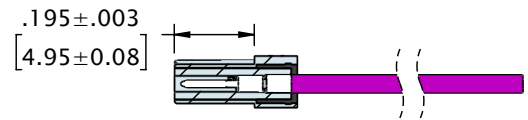
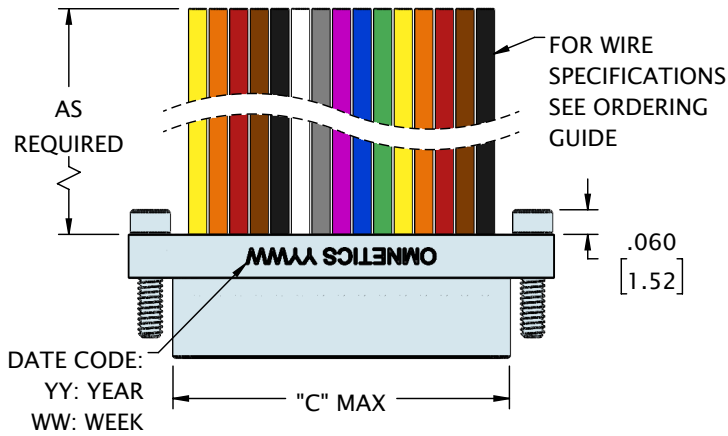
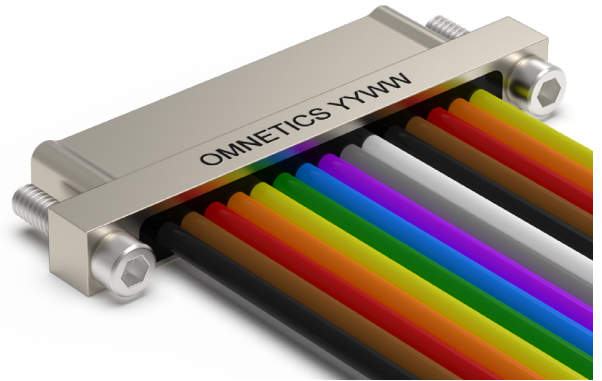
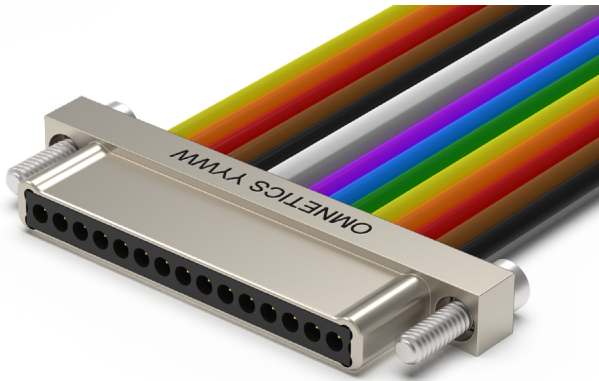
Material Specifications

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

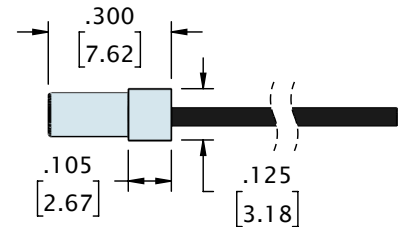
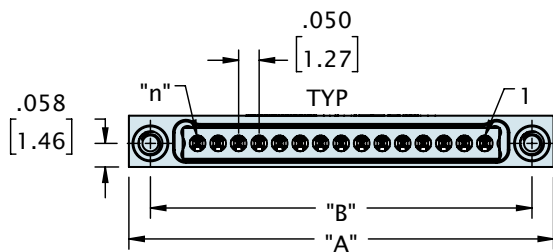
Shell Options

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

SINGLE ROW MICRO-D DISCRETE WIRED (TYPE WD)



HARDWARE HIDDEN FOR CLARITY

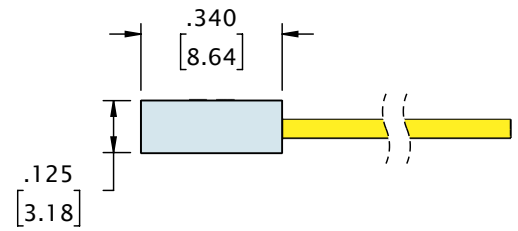
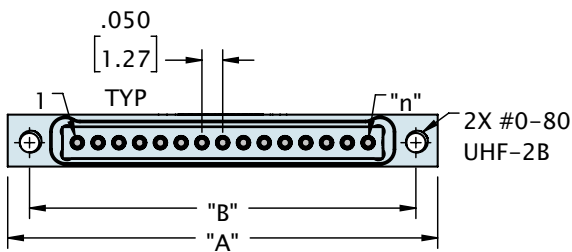
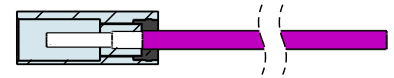
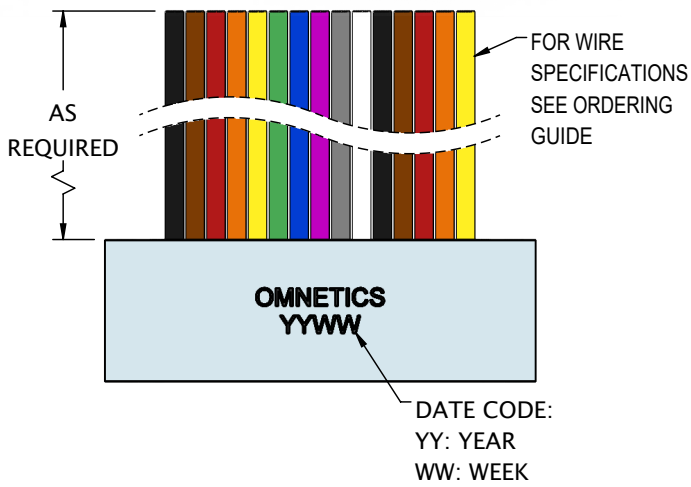
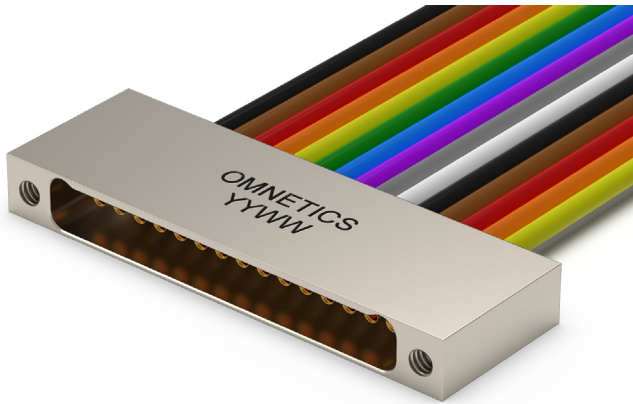


HARDWARE HIDDEN FOR CLARITY

CONTACTS	ROWS	"A"	"B"	"C"
4	1	.485 [12.32]	.380 [9.65]	.270 [6.86]
9	1	.735 [18.67]	.630 [16.00]	.520 [13.21]
15	1	1.035 [26.29]	.930 [23.62]	.820 [20.83]
21	1	1.335 [33.91]	1.230 [31.24]	1.120 [28.45]
25	1	1.535 [38.99]	1.430 [36.32]	1.320 [33.53]
31	1	1.835 [46.61]	1.730 [43.94]	1.620 [41.15]
37	1	2.135 [54.23]	2.030 [51.56]	1.920 [48.77]

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

SINGLE ROW MICRO-D DISCRETE WIRED (TYPE WD)



CONTACTS	ROWS	"A"	"B"
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ORDERING GUIDE



1 Series	MMSP Metal Micro-D Single Row Pin	MMSS Metal Micro-D Single Row Socket
2 Number of Contacts	04 09 15 21 25 31 37	
3 Termination Type	WD Discrete Leadwire	
4 Wire AWG	4 24 AWG	6 26 AWG (STD) 8 28 AWG 0 30 AWG
5 Wire Type	Q Nema HP3 (STD)	R M22759/11 S M22759/33 X Other
6 Wire Length (inches)	18.0 18.00 (STD)	XX.X Custom length
7 Color Scheme	1 10 Repeating 2 Blue 3 White	4 Non Repeating 5 Yellow
8 Shell Material & Finish	N Aluminum Shell, Electroless Nickel Plated	CD Aluminium Shell, Cadmium Plated
	B Aluminium Shell, Black Anodized	P Stainless Steel Shell, Passivated
9 Hardware	EJS End Jack Screw (MMSP only)	ETH End Threaded Hole (MMSS only)
10 Common Options	HT High Temp Epoxy	RH RoHS Compliant
11 Shield / Jacket	D Slip On Metal Braid E Machine Braid F Flexo Braid	
	J Nomex Braid ST Shrink Tube	
12 Mod Codes	M10 Keyed	M30 Ground Spring
	M50 Space Grade Micro-D, SPT1	M53 Space Grade Micro-D, SPT2
13 Special Instructions	YYY Describe anything that is not covered in standard options	