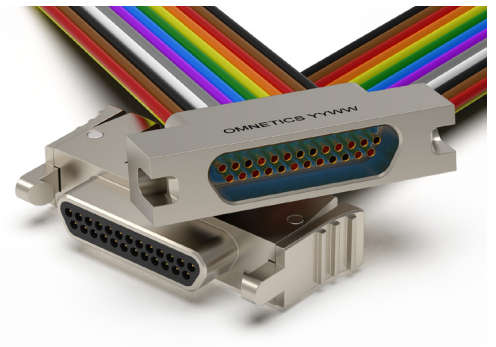


MICRO-D JUMPERS

Omnetics **Micro-D Jumpers** save time and money with these back-to-back wire assemblies. These Micro-D connectors use Omnetics high-reliability flex pin design and feature crimp wire terminations and epoxy encapsulation. All jumper assemblies are 100% checked for continuity and resistance.



Electro-Mechanical Specifications

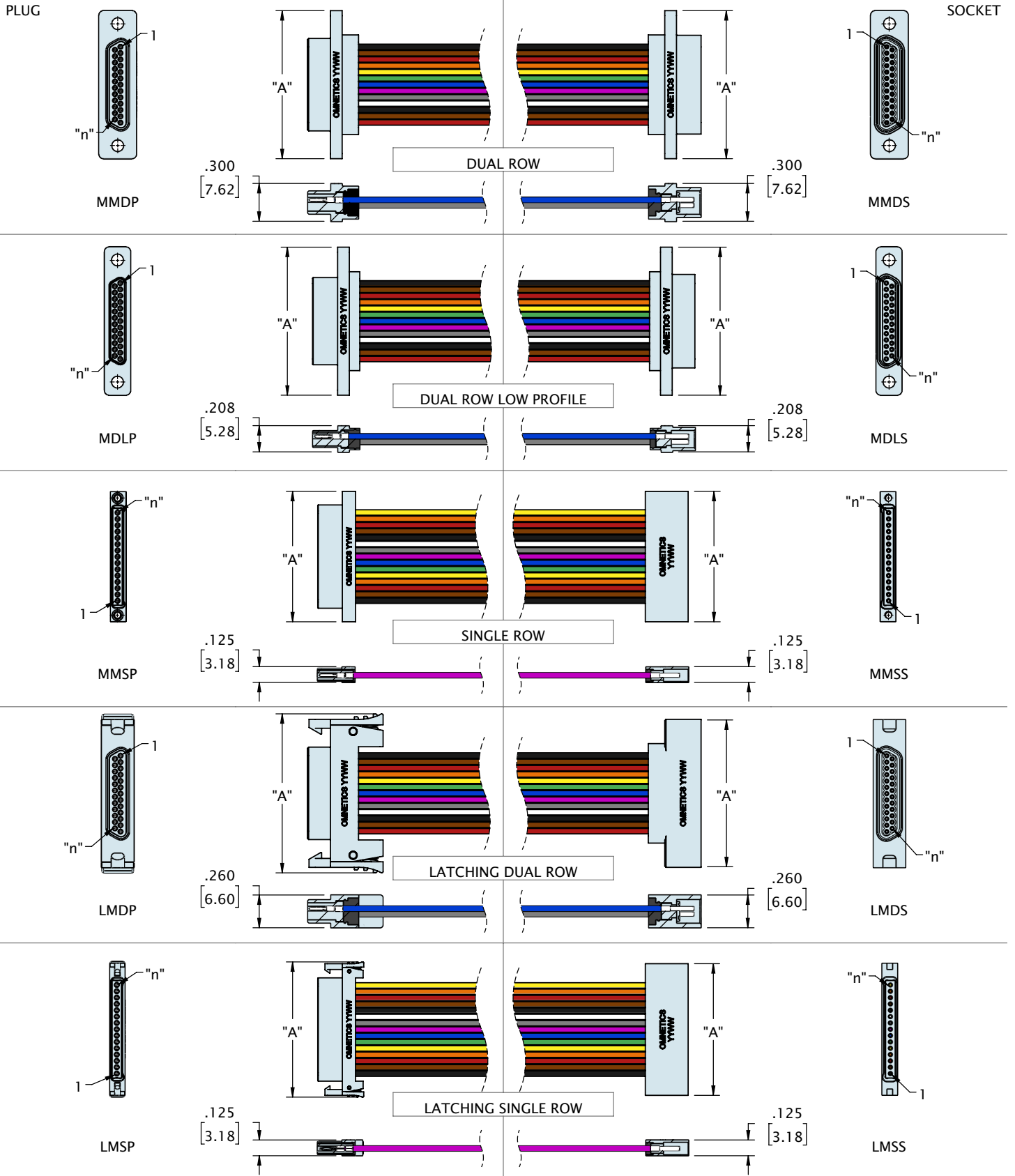
TYPE	PERFORMANCE
Durability	> 2000 Mating Cycles min
Temperature	-55°C to +125°C (200 °C w/HTE)
Current rating	3 Amps per contact per MIL-DTL-83513
Voltage Rating (DWV)	600 VAC RMS Sea Level
Insulation Resistance	5,000 Megohms @ 500 VDC
Shock	50 g's with no discontinuities > 1 microsecond
Vibration	20 g's with no discontinuities > 1 microsecond
Thermal Vacuum Outgassing	1.0% max TML, 0.1% 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

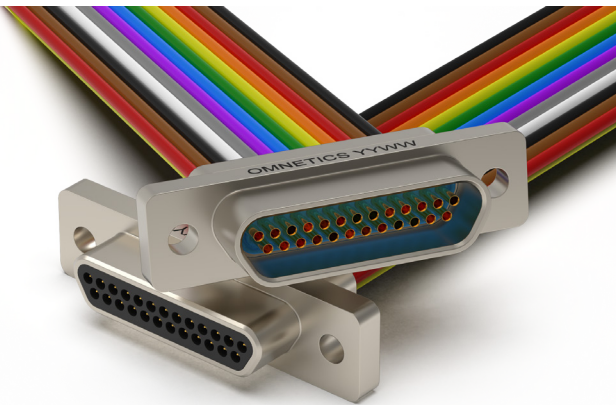
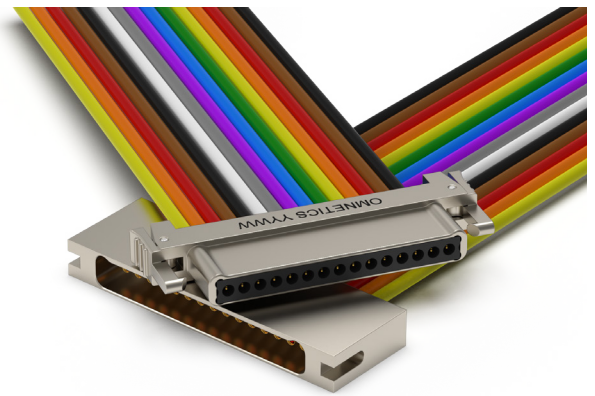
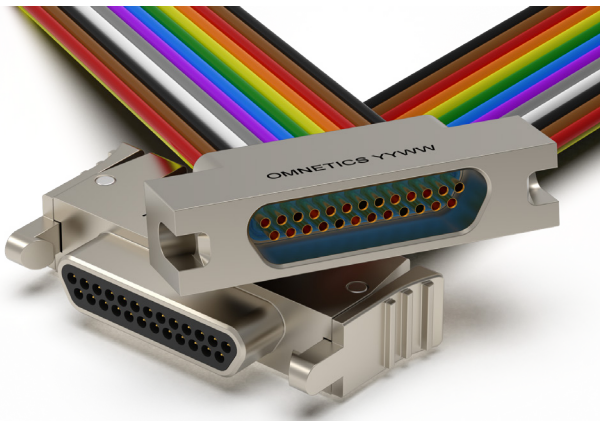
TYPE	PERFORMANCE
Contact	Copper Alloy Per MIL-DTL-83513
Contact Finish	Gold per ASTM B488, Type II, Class 1.27, Code C Over Nickel Underplate
Insulator	Thermoplastic per MIL-DTL-83513
Interfacial Seal	Silicone Elastomer per A-A-59588
Hardware	Stainless Steel, 300 Series, Passivated per SAE AMS-2700

Shell Options

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



MICRO-D JUMPERS



"A" DIMENSION		DUAL ROW CONNECTORS					
CONTACTS	ROWS	MMDP	MMDS	MDLP	MDLS	LMDP	LMDS
9	2	.775 [19.69]	.775 [19.69]	.775 [19.69]	.775 [19.69]	.86 [21.8]	.775 [19.69]
15	2	.925 [23.50]	.925 [23.50]	.925 [23.50]	.925 [23.50]	1.01 [25.7]	.925 [23.50]
21	2	1.075 [27.31]	1.075 [27.31]	1.075 [27.31]	1.075 [27.31]	1.16 [29.5]	1.075 [27.31]
25	2	1.175 [29.85]	1.175 [29.85]	1.175 [29.85]	1.175 [29.85]	1.26 [32.0]	1.175 [29.85]
31	2	1.325 [33.66]	1.325 [33.66]	1.325 [33.66]	1.325 [33.66]	1.41 [35.8]	1.325 [33.66]
37	2	1.475 [37.47]	1.475 [37.47]	1.475 [37.47]	1.475 [37.47]	1.56 [39.6]	1.475 [37.47]
51	2	1.825 [46.36]	1.825 [46.36]	N/A	N/A	1.91 [48.5]	1.825 [46.36]
51	3	1.425 [36.20]	1.425 [36.20]	N/A	N/A	N/A	N/A
69	3	1.725 [43.82]	1.725 [43.82]	N/A	N/A	N/A	N/A
100	4	2.160 [54.86]	2.160 [54.86]	N/A	N/A	N/A	N/A

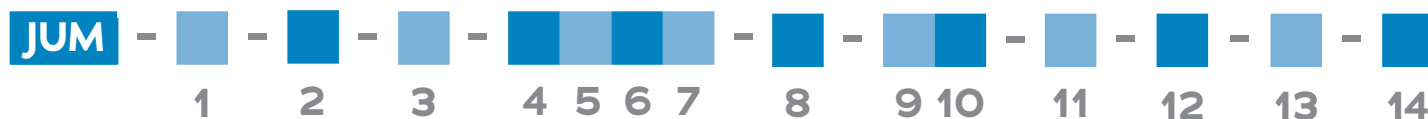
"A" DIMENSION		SINGLE ROW CONNECTORS			
CONTACTS	ROWS	MMSP	MMSS	LMSP	LMSS
4	1	.485 [12.32]	.485 [12.32]	.52 [13.2]	.495 [12.57]
9	1	.735 [18.67]	.735 [18.67]	.77 [19.6]	.745 [18.92]
15	1	1.035 [26.29]	1.035 [26.29]	1.07 [27.2]	1.045 [26.54]
21	1	1.335 [33.91]	1.335 [33.91]	1.37 [34.8]	1.345 [34.16]
25	1	1.535 [38.99]	1.535 [38.99]	1.57 [39.9]	1.545 [39.24]
31	1	1.835 [46.61]	1.835 [46.61]	1.87 [47.5]	1.845 [46.86]
37	1	2.135 [54.23]	2.135 [54.23]	2.17 [55.1]	2.145 [54.48]

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



MICRO-D JUMPERS

ORDERING GUIDE



1 Number of Contacts	004* 009 015 021 025 031 037 051** 069*** 100***
* For single row only ** Use 512 for two rows and 513 for 3 rows *** For MMDP and MMDS only	
2 Connector 1	See page 153
3 Connector 2	See page 153
4 Termination Type	WD Discrete Leadwire with Male and/or Female connectors
5 Wire AWG	4 24 AWG 6 26 AWG (STD) 8 28 AWG 0 30 AWG
6 Wire Type	Q Nema HP3 (STD) R M22759/11 S M22759/33 X Other
7 Wire Length (inches)	18.0 18.00 (STD) XX.X Custom length
8 Color Scheme	C 10 Repeating colors per MIL STD 681 Y All Other Wire Colors
9 Shell Material & Finish	N Aluminium Shell, Electroless Nickel Plated CD Aluminium Shell, Cadmium Plated
	B Aluminium Shell, Black Anodized P Stainless Steel Shell, Passivated
10 Hardware	00 None, Ø .092 Hole 01 Fixed Jack-posts
	02 Jackscrews, STD Length, Hex Head 03 Jackscrews, STD Length, Slotted
	04 Jackscrews, Long Length, Hex 05 Jackscrews, Long Length, Slotted
	06 Float Mount, Front Mounted 07 Float Mount, Rear Mounted
11 Common Options	PA Panel Mount Rear, O-Ring PB Panel Mount, Rear
	BS1 45 Degree Round Entry, Micro-D Backshell IBS Integrated Backshell
	BS2 Straight Oval Entry, Micro-D Backshell BSY Custom Backshell
	BS3 90 Degree Oval Entry, Micro-D Backshell ETH End Threaded Hole
	BS4 45 Degree Elliptical Entry, Micro-D Backshell HT High Temp Epoxy
	BS5 Straight Elliptical Entry, Split Micro-D Backshell RH RoHS Compliant
BS6 45 Degree Round Entry, Split Micro-D Backshell	
12 Shield / Jacket	D Slip On Metal Braid E Machine Braid F Flexo Braid J Nomex Braid ST Shrink Tube
13 Mod Codes	M10 Keyed M30 Ground Spring
	M50 Space Grade Micro-D, SPT1 M53 Space Grade Micro-D, SPT2
14 Special Instructions	YYY Describe anything that is not covered in standard options