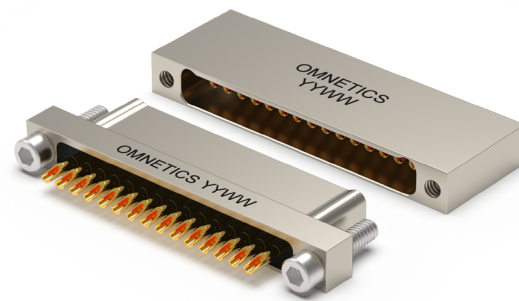


SINGLE ROW MICRO-D SOLDER CUP (TYPE SS)

Omnetics' **Ultra Low Profile Micro-D Solder Cup connectors** serve the slim and compact package designs needed for today's rugged applications. They feature Omnetics' gold-plated Flex Pin to protect against shock and vibration in the field. The solder cup option delivers an added element of durability and protection devices designed 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. Our connectors are designed to 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

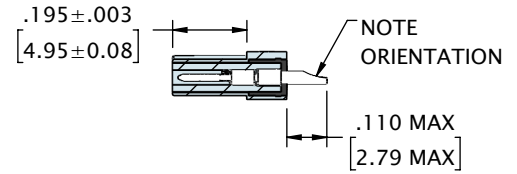
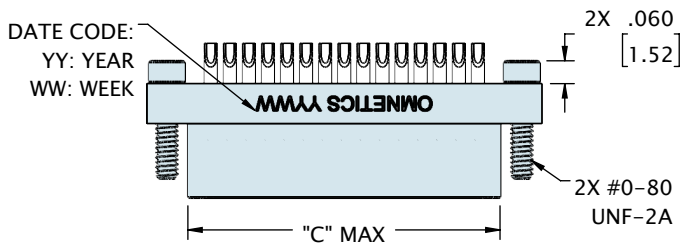
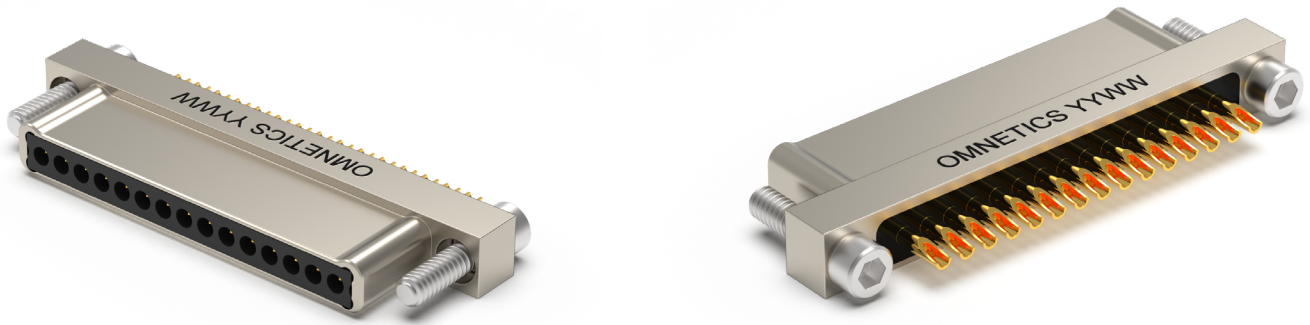
Material Specifications

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

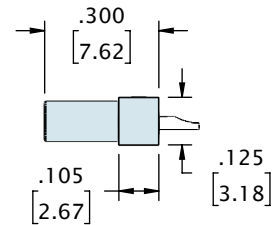
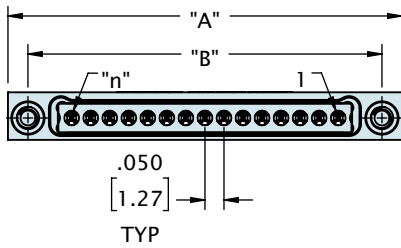
Shell Options

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

SINGLE ROW MICRO-D SOLDER CUP (TYPE SS)



HARDWARE HIDDEN FOR CLARITY

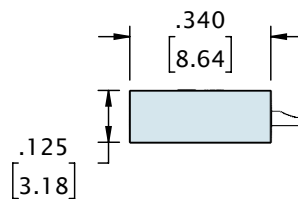
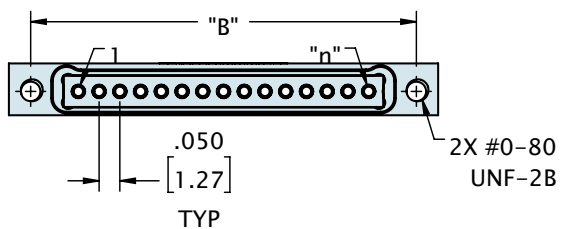
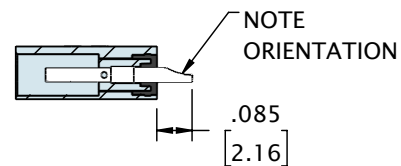
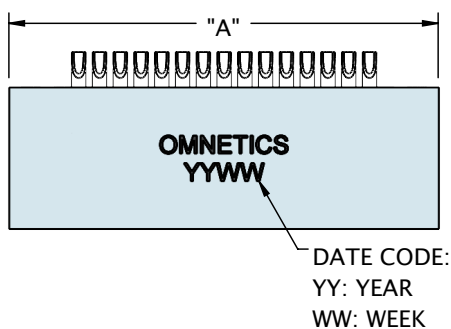
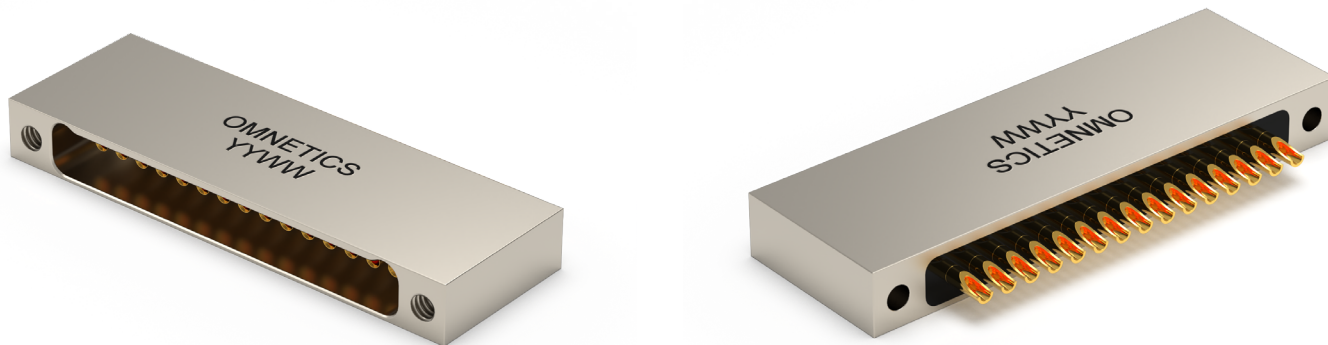


HARDWARE HIDDEN FOR CLARITY

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

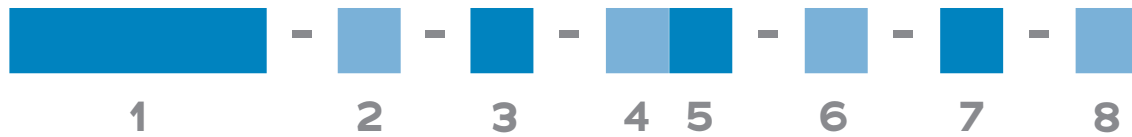
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ORDERING GUIDE



1 Series	MMSP Metal Micro-D Single Row Pin	MMSS Metal Micro-D Single Row Socket
2 Number of Contacts	O4 O9 15 21 25 31 37	
3 Termination Type	SS Soldercup	
4 Wire AWG	4 24 AWG	6 26 AWG (STD) 8 28 AWG O 30 AWG
5 Wire Type	Q Nema HP3 (STD)	R M22759/11 S M22759/33 X Other
6 Wire Length	18.O 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 B Aluminium Shell, Black Anodized	CD Aluminium Shell, Cadmium Plated 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	