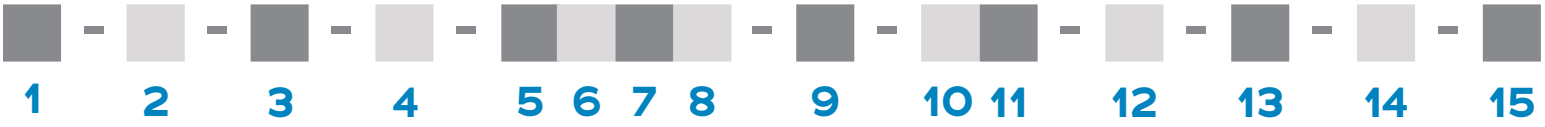
DUAL ROW JUMPERS (TYPE JUM)

ORDERING GUIDE



1	Series	**JUM** Jumpers
2	Number Of Contacts	**09** **15** **21** **25** **31** **37** **51** **65** **69** **85** **91**
3	Connector 1	**MNPO** Metal Nano Pin Offset **MNSO** Metal Nano Socket Offset
4	Connector 2	**MNPO** Metal Nano Pin Offset **MNSO** Metal Nano Socket Offset
5	Termination	**WD** Discrete Leadwire **WC** Cable **WX** Multiple Wire Types **TW** Twisted Wires
6	Wire AWG	**0** 30 AWG **2** 32 AWG
7	Wire Type	**Q** NEMA HP3 **R** M22759/11 **S** M22759/33 **X** Other Wire Types
8	Wire Length	**18.0** **XX.X**
9	Color Coded	**C** 10 Repeating Colors Per MIL STD 681 **Y** All Other Wire Colors
10	Shell / Material Finish	**N** Aluminum Shell, Electroless Nickel Plated **T** Titanium Shell, Unplated **B** Aluminium Shell, Black Anodized **CD** Aluminium shell, Cadmium Plated **BN** Aluminium Shell, Black Nickel Plated **P** Stainless steel Shell, Passivated
11	Hardware	See table page 49
12	Common Options	See table page 49
13	Shield / Jacket	**D** Slip On Metal Braid **E** Machine Braid **F** Flexo Braid **J** Nomex Braid **ST** Shrink Tube
14	Mod Codes	**M50** Space Grade Micro-D, SPT1 **M53** Space Grade Micro-D, SPT2
15	Special Instructions	**YYY** Describe anything that is not covered in standard options

ORDERING GUIDE

11 12

11 Hardware	**00** None, Ø .092 Hole (STD) **01** Fixed Jack-Posts (STD) **02** Jackscrews, STD Length, Hex Head (STD) **03** Jackscrews, STD Length, Slotted **04** Jackscrews, Long, Hex **05** Jackscrews, Long, Slotted **06** Float Mount, Front Mounted **07** Float Mount, Rear Mounted **08** Non-removable **13** Fixed Jackspots (STD) **14** Jackscrews STD Length, Hex Head (STD) **15** One set of each, Fixed Jackspots & Jackscrews, Standard Length, Hex Head (STD) **YY** Non Standard Hardware
12 Common Options	**ETH** End Threaded Hole, #0-80 **HT** High Temp. Epoxy **FP** Front Panel Mount **CS** Customer Supplied Material **IS** Inline Shell **OM** Overmold **BS2** 45 Oval **BS4** 2 Piece BS **EJS** End Jack Screw **RH** RoHS Compliant **SR** Strain Relief **RP** Rear Panel Mount **OR** O-Ring **BS1** Standard Straight Backshell **BS3** 90/RA Oval **BSY** Custom Backshell

DUAL ROW JUMPERS (TYPE JUM)

Omnetics' **Pre-Wired Dual Row Bi-Lobe®** harnesses are built to order by Omnetics to offer maximum flexibility in wire type, size, and color-coding. They are designed to accommodate 30 AWG and smaller stranded wire and feature .025" (.64 mm) centerlines, which makes them an excellent choice for routing multiple lines through confined spaces. They feature Omnetics' gold-plated Flex Pin contact system. Shell material options include aluminum, titanium, and stainless steel, with custom plating options available upon request. These connectors are available in standard sizes ranging from 9 to 91 positions, as well as custom configurations.

Electro-Mechanical Specifications

TYPE	PERFORMANCE
Durability	> 2000 Mating Cycles min
Temperature	-55ºC to +125 ºC (200 ºC w/HTE)
Current rating	1 Amp per contact
Voltage Rating (DWV)	250 VAC RMS Sea Level
Insulation Resistance	5,000 Megohms @ 100 VDC
Shock	100 g's discontinuity < 10 nanoseconds
Vibration	20 g's discontinuity < 10 nanoseconds
Thermal Vacuum Outgassing	1.0% max TML, 0.1% VCM
Contact Resistance	71 milliohms (71 mV) max @ 1 Amp
Mating/Unmating Force	2.5 oz. (.71g) typical per contact

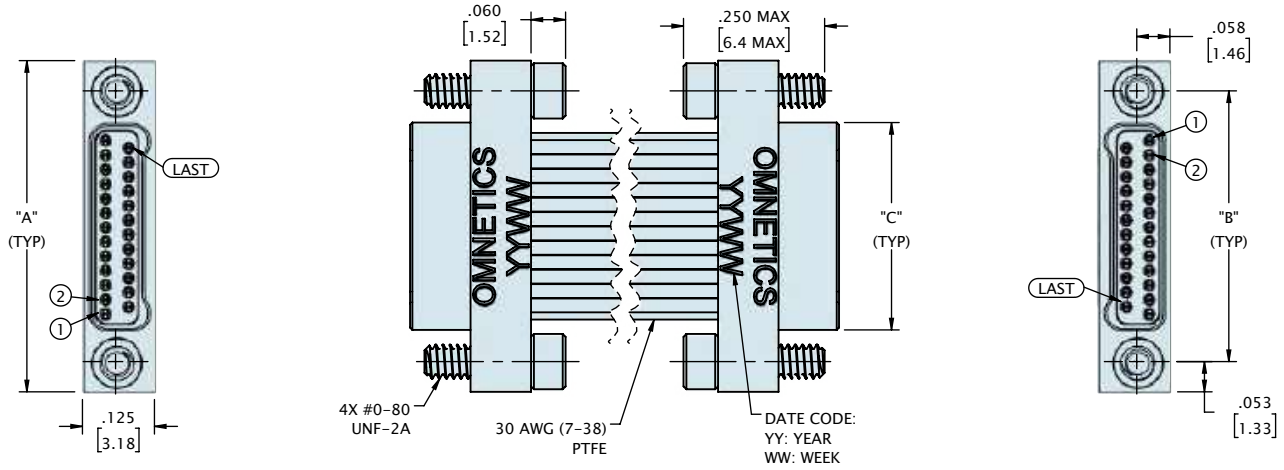
Material Specifications

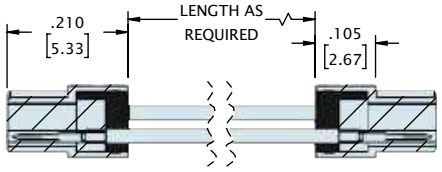
TYPE	PERFORMANCE
Contact	Copper Alloy Per MIL-DTL-32139
Contact Finish	Gold per ASTM B488, Type II, Class 1.27, Code C Over Nickel Underplate
Insulator	Thermoplastic per MIL-M-24519
Encapsulant	Epoxy

Shell Options

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

DUAL ROW MALE TO MALE JUMPERS (TYPE JUM)





JACKSCREWS HIDDEN FOR CLARITY

CONTACTS	"A"	"B"	"C"
09	.375 [9.53]	.270 [6.86]	.160 [4.06]
15	.450 [11.43]	.345 [8.76]	.235 [5.97]
21	.525 [13.34]	.420 [10.67]	.310 [7.87]
25	.575 [14.61]	.470 [11.94]	.360 [9.14]
31	.650 [16.51]	.545 [13.84]	.435 [11.05]
37	.725 [18.42]	.620 [15.75]	.510 [12.95]
51	.900 [22.86]	.795 [20.19]	.685 [17.40]
65	1.075 [27.31]	.970 [24.64]	.860 [21.84]
69	1.125 [28.58]	1.020 [25.91]	.910 [23.11]
85	1.325 [33.66]	1.220 [30.99]	1.110 [28.19]
91	1.452 [36.88]	1.321 [33.55]	1.185 [30.10]

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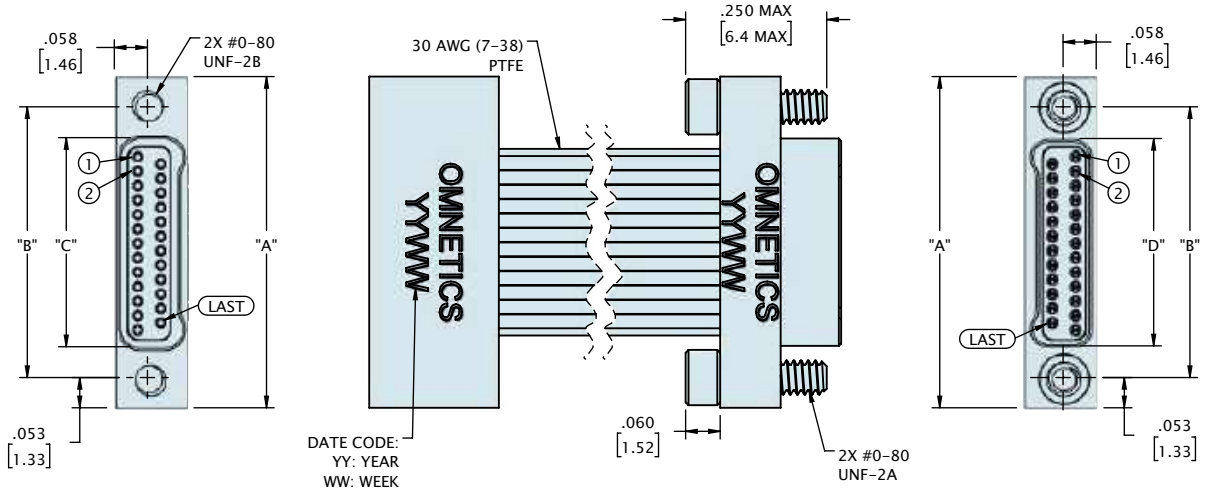
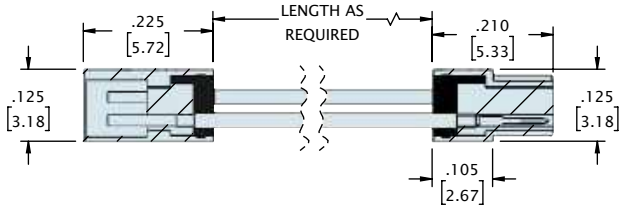
DUAL ROW MALE TO FEMALE JUMPERS (TYPE JUM)





JACKSCREWS HIDDEN FOR CLARITY

CONTACTS	"A"	"B"	"C"	"D"
09	.375 [9.53]	.270 [6.86]	.163 [4.14]	.160 [4.06]
15	.450 [11.43]	.345 [8.75]	.238 [6.05]	.235 [5.97]
21	.525 [13.34]	.420 [10.67]	.313 [7.95]	.310 [7.87]
25	.575 [14.61]	.470 [11.94]	.363 [9.22]	.360 [9.14]
31	.650 [16.51]	.545 [13.84]	.438 [11.13]	.435 [11.05]
37	.725 [18.42]	.620 [15.75]	.513 [13.03]	.510 [12.95]
51	.900 [22.86]	.795 [20.19]	.688 [17.48]	.685 [17.40]
65	1.075 [27.31]	.970 [24.64]	.863 [21.92]	.860 [21.84]
69	1.125 [28.58]	1.020 [25.91]	.913 [23.19]	.910 [23.11]
85	1.325 [33.66]	1.220 [30.99]	1.113 [28.27]	1.110 [28.19]
91	1.452 [36.88]	1.321 [33.55]	1.188 [30.18]	1.185 [30.10]

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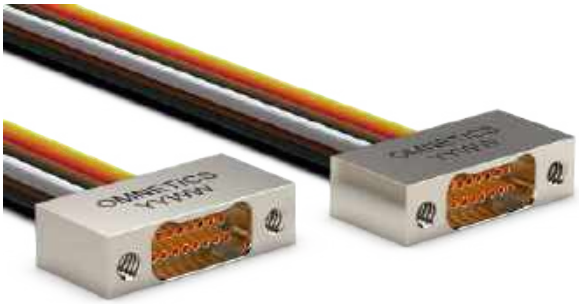
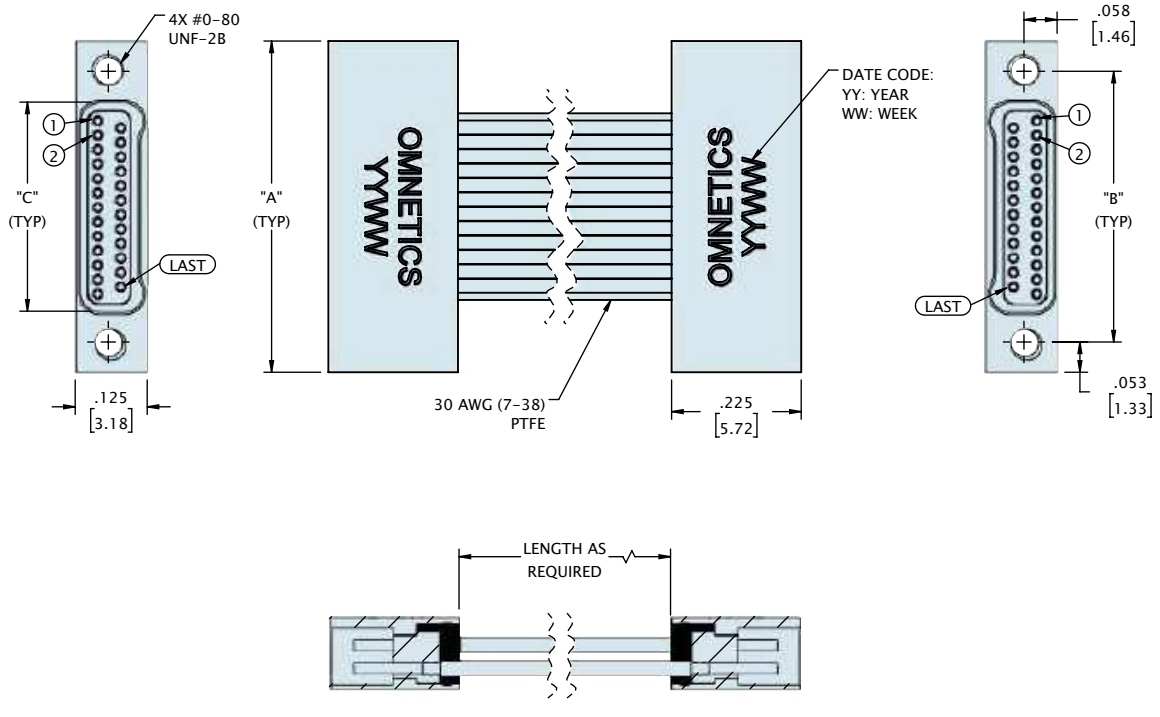
DUAL ROW FEMALE TO FEMALE JUMPERS (TYPE JUM)





CONTACTS	"A"	"B"	"C"
09	.375 [9.53]	.270 [6.86]	.163 [4.14]
15	.450 [11.43]	.345 [8.75]	.238 [6.05]
21	.525 [13.34]	.420 [10.67]	.313 [7.95]
25	.575 [14.61]	.470 [11.94]	.363 [9.22]
31	.650 [16.51]	.545 [13.84]	.438 [11.13]
37	.725 [18.42]	.620 [15.75]	.513 [13.03]
51	.900 [22.86]	.795 [20.19]	.688 [17.48]
65	1.075 [27.31]	.970 [24.64]	.863 [21.92]
69	1.125 [28.58]	1.020 [25.91]	.913 [23.19]
85	1.325 [33.66]	1.220 [30.99]	1.113 [28.27]
91	1.452 [36.88]	1.321 [33.55]	1.188 [30.18]

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