SINGLE ROW JUMPERS (TYPE JUM)

ORDERING GUIDE



1	Series	JUM Ju	umpers								
2	Number Of Contacts	05	09	15	21	25	31	37	51		
3	Connector 1	MBPS	Metal Bi	-Lobe P	in Singl	e Row		MBSS	Metal Bi-L	obe Soo	cket Single Rov
4	Connector 2	MBPS	Metal Bi	-Lobe P	in Singl	e Row		MBSS	Metal Bi-L	obe Soo	cket Single Rov
5	Termination	WD Di	screte Le	eadwire	WC	Cable	WX N	Aultiple	Wire Types	тw	Twisted Wires
6	Wire AWG	o 30 /	AWG	2 32	AWG						
7	Wire Type	Q NEA	ЛА НРЗ	R	M227	759/11	S	M2275	59/33	X Otl	ner Wire Types
8	Wire Length	18.0				XX .	x				
9	Color Coded	C 10 Re	epeating	Colors	Per MIL	_ STD 6	81		Y	All Oth	ner Wire Colors
		N Alur	ninum Sl	nell, Eleo	ctroless	6 Nickel	Plated	тт	itanium She	ell, Unpl	ated
10	Shell / Material Finish	B Alun	ninium S	hell, Bla	ck Anoo	dized		CD	Aluminium	Shell, C	admium Plateo
		BN Alu	uminium	Shell, B	lack Nie	ckel Plat	ed	P St	ainless Ste	el Shell	, Passivated
11	Hardware	See tal	ole page	101							
12	Common Options	See tal	ole page	101							
	Shield / Jacket	D Slip	On Meta	al Braid			E Macl	hine Bra	id		F Flexo Braid
13		J Nomex Braid ST Shrink Tube									
14	Mod Codes	M50 S	Space Gr	ade Mic	cro-D, S	PT1		١	M53 Space	e Grade	Micro-D, SPT2
15	Special Instructions	YYY D	escribe	anythin	g that i	s not co	vered ir	n standa	rd options		

SINGLE ROW JUMPERS (TYPE JU)

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	00 None, Ø .092 Hole (STD)				
	O1 Fixed Jack-Posts (STD)				
	02 Jackscrews, STD Length, Hex Head (STD)				
	O3 Jackscrews, STD Length, Slotted				
	O4 Jackscrews, Long, Hex				
	05 Jackscrews, Long, Slotted				
11 Hardware	o6 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				
	YY Non Standard HardwareETH End Threaded Hole, #0-80	EJS End Jack Screw			
		EJS End Jack Screw RH RoHS Compliant			
	ETH End Threaded Hole, #0-80				
	ETH End Threaded Hole, #0-80 HT High Temp. Epoxy	RH RoHS Compliant			
12 Common Options	ETH End Threaded Hole, #0-80 HT High Temp. Epoxy FP Front Panel Mount	RH RoHS Compliant SR Strain Relief			
12 Common Options	ETH End Threaded Hole, #0-80 HT High Temp. Epoxy FP Front Panel Mount CS Customer Supplied Material	RH RoHS Compliant SR Strain Relief RP Rear Panel Mount			
12 Common Options	ETH End Threaded Hole, #0-80 HT High Temp. Epoxy FP Front Panel Mount CS Customer Supplied Material IS Inline Shell	RH RoHS CompliantSR Strain ReliefRP Rear Panel MountOR O-Ring			
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	 RH RoHS Compliant SR Strain Relief RP Rear Panel Mount OR O-Ring BS1 Standard Straight Backshell 			

SINGLE ROW JUMPERS (TYPE JUM)

Omnetics' **Single Row Bi-Lobe**[®] harnesses are built to order by Omnetics to ensure maximum flexibility in wire type, size, and color-coding. They are designed to accommodate 30 AWG and smaller stranded wire and feature .025" (.64) 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 5 through 51 positions, as well as custom configurations.



ТҮРЕ	PERFORMANCE
Durability	> 2000 Mating Cycles min
Temperature	-55°C to +125 °C (200 °C 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

Electro-Mechanical Specifications

Material Specifications

ТҮРЕ	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	Ероху

Shell Options

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

SINGLE ROW MALE TO MALE JUMPERS (TYPE JUM)





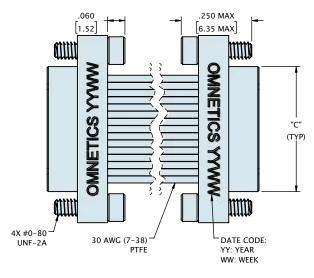
LAST

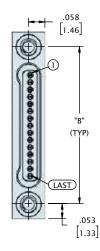
(1

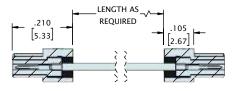
.115 [2.92]

"A"

(TYP)







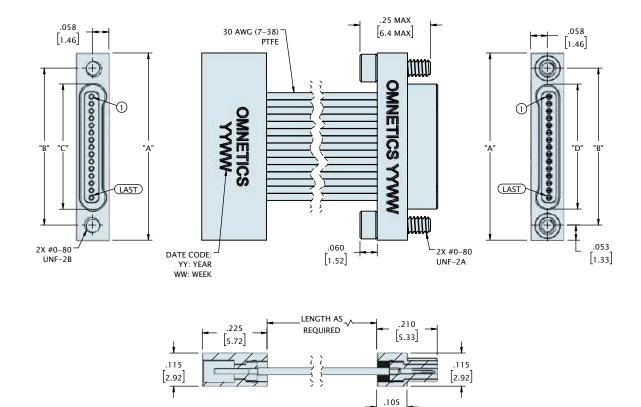
JACKSCREWS HIDDEN FOR CLARITY

CONTACTS	"A"	"B"	"C"
05	.400 [10.16]	.295 [7.49]	.184 [4.67]
09	.500 [12.70]	.395 [10.03]	.284 [7.21]
15	.650 [16.51]	.545 [13.84]	.434 [11.02]
21	.800 [20.32]	.695 [17.65]	.584 [14.83]
25	.900 [22.86]	.795 [20.19]	.684 [17.37]
31	1.050 [26.67]	.945 [24.00]	.834 [21.18]
37	1.200 [30.48]	1.095 [27.81]	.984 [24.99]
51	1.550 [39.37]	1.445 [36.70]	1.334 [33.88]
DIMENSIONS IN	[] ARE IN MILLIMET	ERS AND ARE FOR RE	FERENCE ONLY

SINGLE ROW MALE TO FEMALE JUMPERS (TYPE JUM)





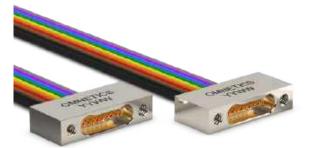


JACKSCREWS HIDDEN FOR CLARITY

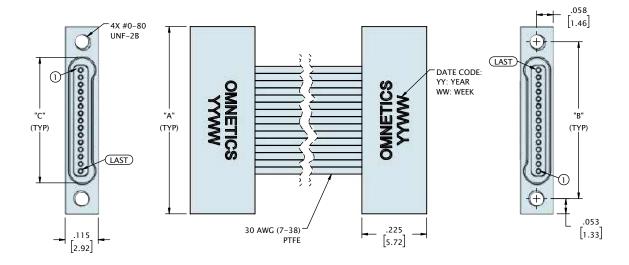
[2.67]

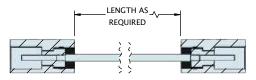
CONTACTS	"A"	"B"	"C"	"D"
05	.400 [10.16]	.295 [7.49]	.185 [4.70]	.184 [4.67]
09	.500 [12.70]	.395 [10.03]	.285 [7.24]	.284 [7.21]
15	.650 [16.51]	.545 [13.84]	.435 [11.05]	.434 [11.02]
21	.800 [20.32]	.695 [17.65]	.585 [14.86]	.584 [14.83]
25	.900 [22.86]	.795 [20.19]	.685 [17.40]	.684 [17.37]
31	1.050 [26.67]	.945 [24.00]	.835 [21.21]	.834 [21.18]
37	1.200 [30.48]	1.095 [27.81]	.985 [25.02]	.984 [24.99]
51	1.550 [39.37]	1.445 [36.70]	1.335 [33.91]	1.334 [33.88]

SINGLE ROW FEMALE TO FEMALE JUMPERS (TYPE JUM)









CONTACTS	"A"	B.	"C"
05	.400 [10.16]	.295 [7.49]	.185 [4.70]
09	.500 [12.70]	.395 [10.03]	.285 [7.24]
15	.650 [16.51]	.545 [13.84]	.435 [11.05]
21	.800 [20.32]	.695 [17.65]	,585 [14.86]
25	.900 [22.86]	.795 [20.19]	.685 [17.40]
31	1.050 [26.67]	.945 [24.00]	.835 [21.21]
37	1.200 [30.48]	1.095 [27.81]	.985 [25.02]
51	1.550 [39.37]	1.445 [36.70]	1.335 [33.91]
DIMENSIONS IN	[] ARE IN MILLIMET	ERS AND ARE FOR RE	FERENCE ONLY