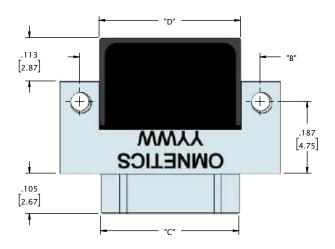
ORDERING GUIDE

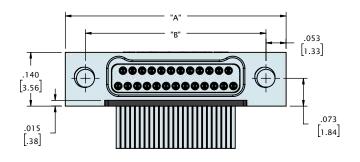


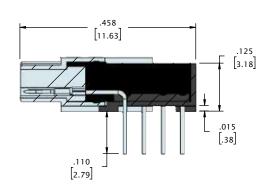
1	Series	MNPO Metal Nano Pin Offset				MNSO	Metal Nano Socket Offset			
2	Number Of Contacts	09	15	21	25	31	37	51	65	85
3	Termination Type	H4 Ho	rizontal	Thru-H	ole					
4	Shell Material & Finish	 N Aluminum Shell, Electroless Nickel Plated B Aluminium Shell, Black Anodized T Titanium Shell, Unplated CD Aluminium shell, Cadmium Plated S Stainless Steel Shell, Passivated								
5	Common Options	ETH End Threaded Hole, #0-80 NTH Non-Threaded Holes For Mounting To The Board YY Non Standard Hardware (threaded holes, thumb screws, #2-56 screw) HT High Temp. Epoxy CS Customer Supplied Material								
6	Mod Codes	M10 K	•	irade Na	ano-D, S	PT1			d Spring Grade N	lano-D, SPT2
7	Special Instructions	YYY Describe anything that is not covered in standard options								









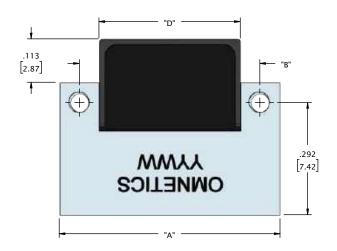


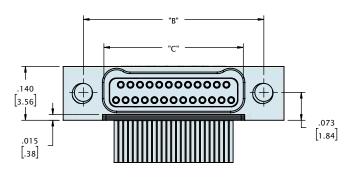
CONTACTS	"A"	"B"	"C"	"D"
09	.375 [9.53]	.270 [6.86]	.160 [4.06]	.168 [4.27]
15	.450 [11.43]	.345 [8.76]	.235 [5.97]	.243 [6.17]
21	.525 [13.34]	.420 [10.67]	.310 [7.87]	.318 [8.08]
25	.575 [14.61]	.470 [11.94]	.360 [9.14]	.368 [9.35]
31	.650 [16.51]	.545 [13.84]	.435 [11.05]	.443 [11.25]
37	.725 [18.42]	.620 [15.75]	.510 [12.95]	.518 [13.16]
51	.900 [22.86]	.795 [20.19]	.685 [17.40]	.693 [17.60]
65	1.075 [27.31]	.970 [24.64]	.860 [21.84]	.868 [22.05]
85	1.325 [33.66]	1.220 [30.99]	1.110 [28.19]	1.118 [28.40]

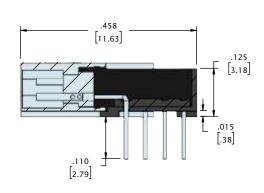
DIMENSIONS IN [] ARE IN MILLIMETERS AND ARE FOR REFERENCE ONLY





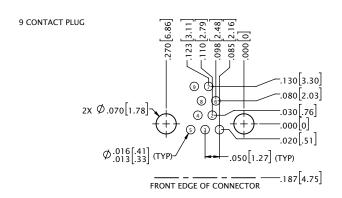


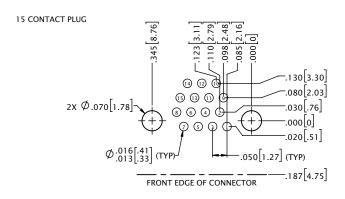


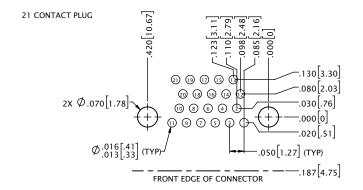


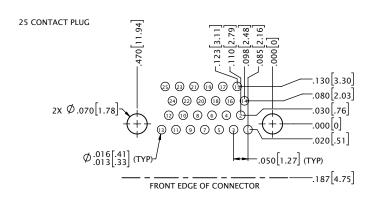
CONTACTS	"A"	"B"	'C'	"D"
09	.375 [9.53]	.270 [6.86]	.163 [4.14]	.168 [4.27]
15	.450 [11.43]	.345 [8.76]	.238 [6.05]	.243 [6.17]
21	.525 [13.34]	.420 [10.67]	.313 [7.95]	.318 [8.08]
25	.575 [14.61]	.470 [11.94]	.363 [9.22]	.368 [9.35]
31	.650 [16.51]	.545 [13.84]	.438 [11.13]	.443 [11.25]
37	.725 [18.42]	.620 [15.75]	.513 [13.03]	.518 [13.16]
51	.900 [22.86]	.795 [20.19]	.688 [17.48]	.693 [17.60]
65	1.075 [27.31]	.970 [24.64]	.863 [21.92]	.868 [22.05]
85	1.325 [33.66]	1.220 [30.99]	1.113 [28.27]	1.118 [28.40]

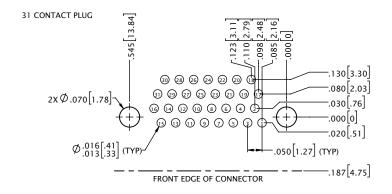
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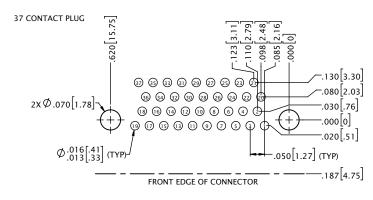


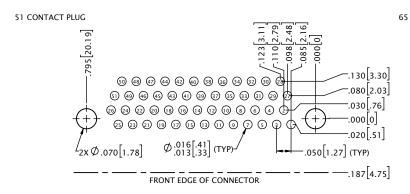


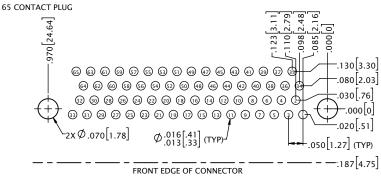


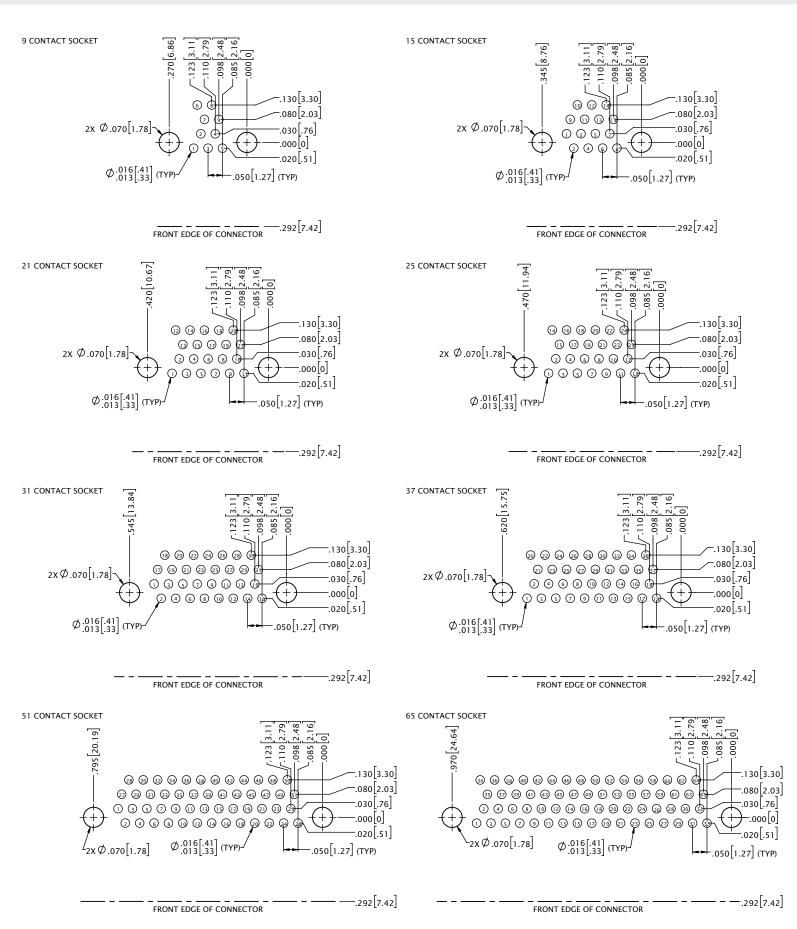












The Dual Row Bi-Lobe[®] H4 nanos are suitable for high-reliability miniature applications that must deliver exceptional performance in medical, military, and other demanding environments. They are a thru-hole mounted, low-mass ruggedized connector on .025" (.64) centerlines. The thru-hold tails are spread onto a mounting pattern on .050 (1.27 mm) with space for annular rings and routing traces. They feature Omnetics' gold-plated Flex Pin contact system. These durable, lightweight connectors provide power and signal under rigorous conditions and intermate with Omnetics QPL versions of MIL-DTL-32139. They are available with retention screws for a positive lock and come in standard sizes ranging from 9 to 65 positions. Custom configurations are also available.



Electro-Mechanical Specifications

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	87 milliohms (87 mV) max @ 1 Amp
Mating/Unmating Force	2.5 oz. (.71g) typical per contact

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		