
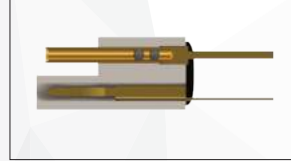


Polarized Nano

STRAIGHT THRU-HOLE (TYPE DD) ORDERING GUIDE

SERIES	# OF CONTACTS	TERMINATION TYPE	COMMON OPTIONS
PZN Polarized Nano Connector	04 - 24 (EVEN NUMBERS ONLY)	DD	HT HIGH TEMP RoHS RoHS COMPLIANT 



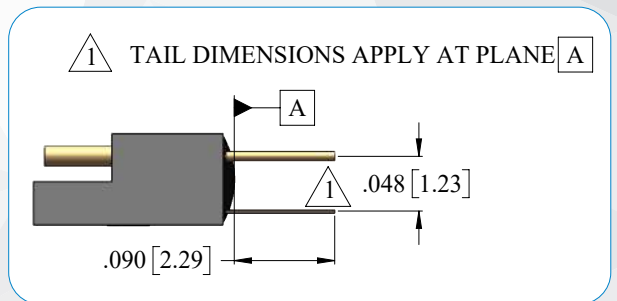
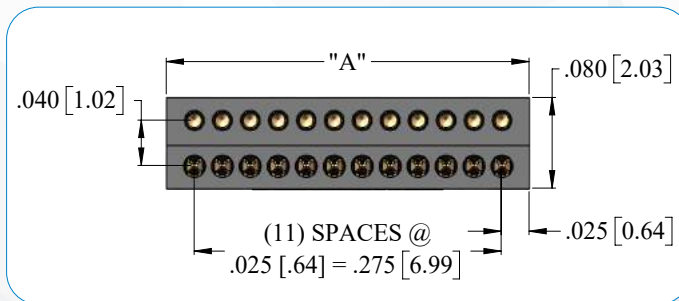
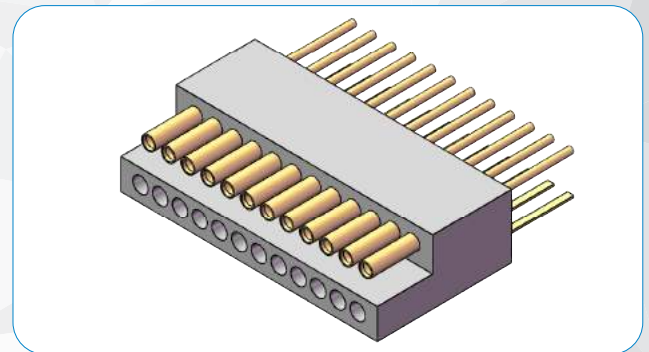
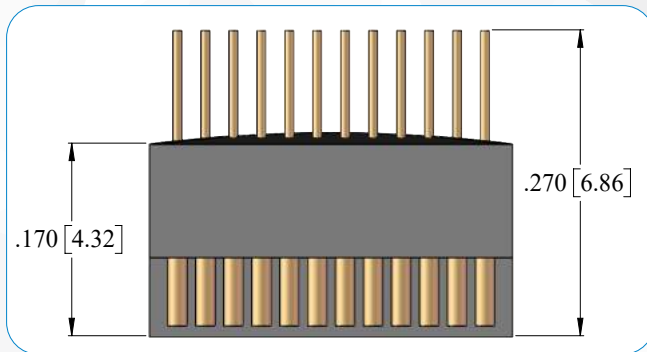
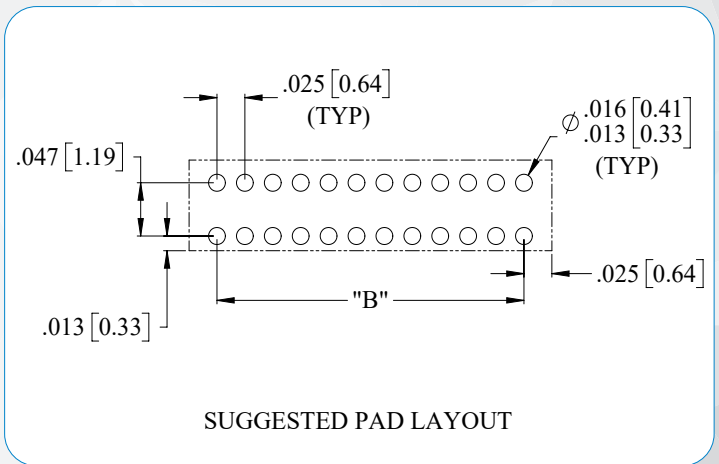
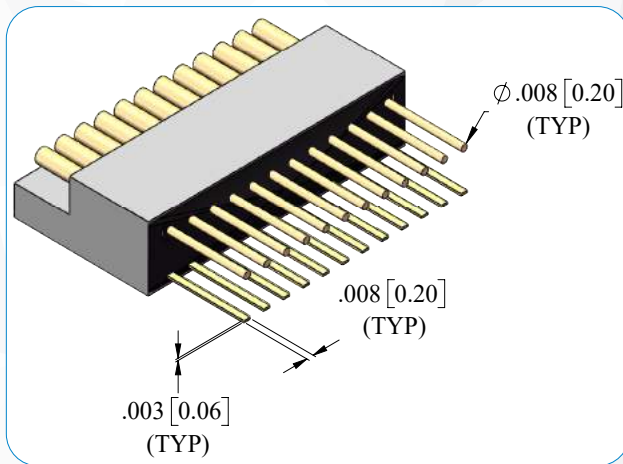
EXAMPLES:



PZN-08-DD

Polarized Nano

PZN-DD LAYOUT



DIMENSIONS FOR "A"

To determine connector length "A":

Add the total number of contacts in one row	_____
Multiply the number of contact cavities minus 1 by .025"	_____
Add fixed end length constant	.050"
Total Length (Dimension A)	_____

Notes: Maximum length .325" [8.26].

Maximum number of contact cavities is 24

DIMENSIONS FOR "B"

To determine pad pattern layout length "B":

Multiply the number of contacts in one row minus 1 by .025"	_____
Total Length (Dimension B)	_____

Notes: Maximum length .275" [6.99].

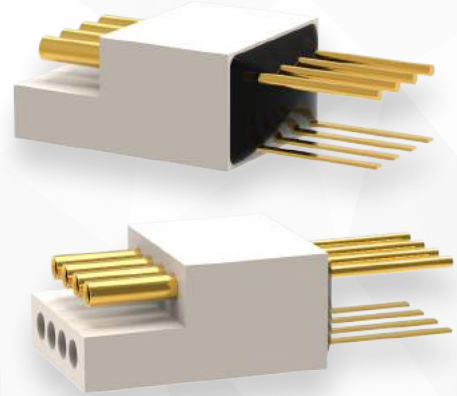
Dimensions in [] are in Millimeters unless otherwise noted and are for reference only.

Polarized Nano

STRAIGHT THRU-HOLE (TYPE DD)

The Polarized Nano (PZN) connectors are designed to hold one row of pins and one row of sockets; this configuration polarizes the connector without the extra space needed for guide pins. The Straight Thru-Hole (type DD) Polarized Nano (PZN) connectors are configured with simple straight tails (Integral and Crimped). Suitable for vertical thru-hole mounting to fine pitched flex circuits. These ruggedized PZN Nano connectors are designed on .025" (.64 mm) centerlines. These PZN connectors feature Omnetics' gold plated Flex Pin contact system that conforms to the requirements of MIL-DTL-32139.

The connectors are available in standard sizes ranging from 4 through 24 positions. Flex design and installation service is also available from Omnetics, please contact us for more information.



ELECTRO-MECHANICAL SPECS

Durability:	200 Cycles
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 min @ 100 VDC
Shock:	100 G's discontinuity < 10 nanoseconds
Vibration:	20 G's discontinuity < 10 nanoseconds
Thermal Vacuum Outgassing:	NASA SP-R-0022
Contact Resistance:	71 Milliohms max (71 mV max @ 1 AMP)
Mating/Unmating Force:	2.5 oz (71 g) typical per contact

MATERIAL SPECIFICATIONS

Insulator:	Polyphenylene Sulfide per MIL-M-24519
Pin:	Gold Plated BeCu
Socket:	Gold Plated Copper Alloy
Encapsulant:	Epoxy