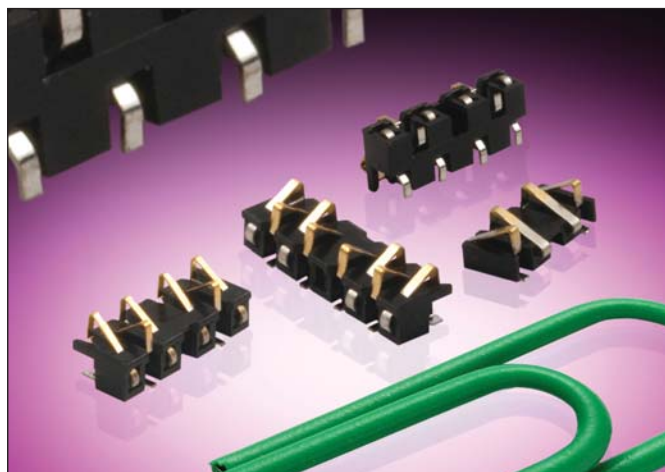


9188 Staggered SOLO Stacker



GENERAL DESCRIPTION

The SOLO series 9188 is a one-piece connector used to connect two PCBs in a cost effective manner.

A standard range is available with 4, 6, 8 staggered contacts to suit stack heights of 1.1mm to 2.1mm (see table below).

SOLO Stacker is designed for PCB surface mounting and is supplied in tape and reel packaging. Gold plated pads on the mating PCB or suitable flex circuits provide connection between the two boards.

APPLICATIONS

Suitable applications include:

- Handheld Devices:
 - Phones
 - Scanners
 - Radios
 - Medical Diagnostic
 - Security Devices

KEY FEATURES AND BENEFITS

Single piece connector – no mating half required to connect two boards together which means:

- Reduced assembly time
- Only one part to purchase and stock
- Due to the unique contact design, the mating device does not have to be parallel
- Helps reduce tolerance accumulation within system



HOW TO ORDER

00
|
Prefix

9188
|
Series

004
|
No. of Ways

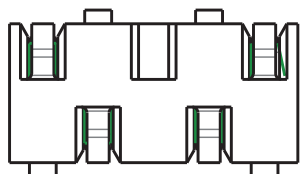
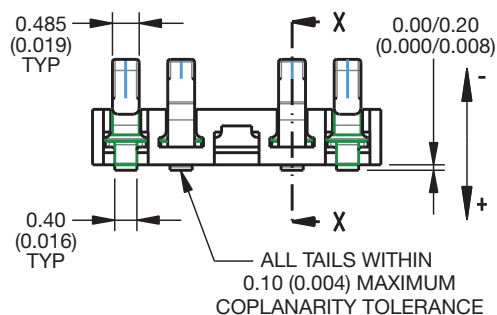
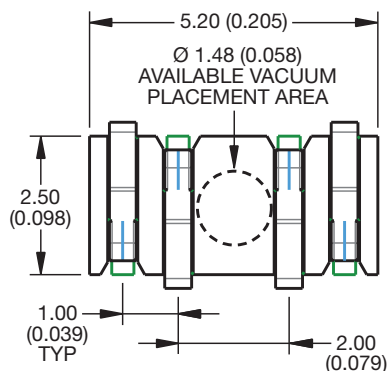
Code	No. of Ways
004	4
006	6
008	8

012
|
Stack Height

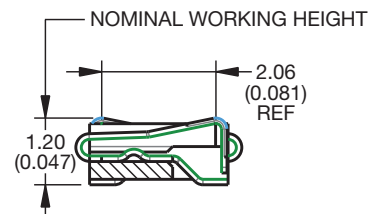
Code	Height	No. of Ways
012	1.1mm to 1.3mm	4 only
020	1.9mm to 2.1mm	6 & 8 only

062
|
Plating Variation
06 = Selective Gold
0.25µm
Gold Plated
Contact Nose,
Pure Tin Tail
No Bosses

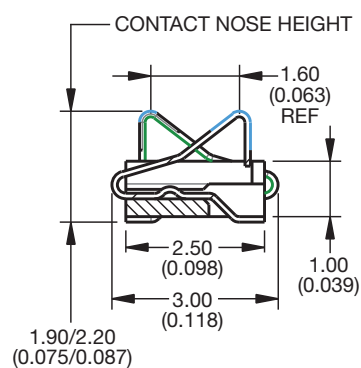
4 Way Staggered Stacker



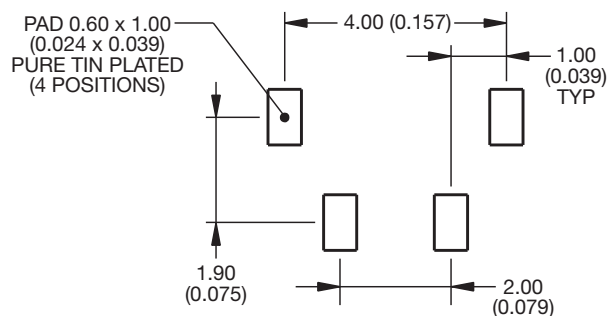
MATING CONDITION



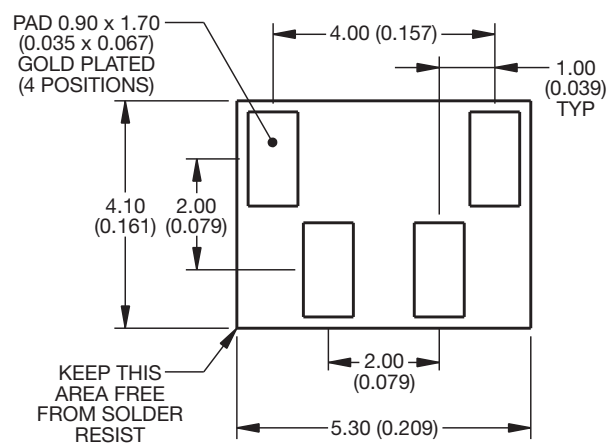
SECTION ON X - X



SMT PCB FOOTPRINT



MATING PCB FOOTPRINT



Technical drawing of a vacuum chamber cross-section. The drawing shows a series of vertical slots or ports. Key dimensions and features include:

- Overall width: 7.20 (0.283)
- Overall height: 2.80 (0.110)
- Available vacuum placement area: A dashed circle with a diameter of $\varnothing 1.48$ (0.058).
- Slot width: 1.00 (0.039) TYP
- Slot spacing: 2.00 (0.079)

NOMINAL WORKING HEIGHT

2.00 (0.079)

2.04 (0.080) REF

0.485
(0.019)
TYP

0.00/0.20
(0.000/0.008)

0.40
(0.016)
TYP

ALL TAILS WITHIN
0.10 (0.004) MAXIMUM
COPLANARITY TOLERANCE

X

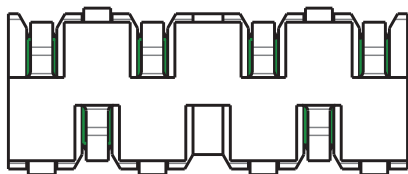
X

-

+

Technical drawing of a contact assembly with the following dimensions:

- CONTACT NOSE HEIGHT: 1.64 (0.065) REF
- 2.47/2.75 (0.097/0.108)
- 2.50 (0.098)
- 3.00 (0.118)
- 1.70 (0.067)



PAD 0.60 x 1.00
(0.024 x 0.039)
PURE TIN PLATED
(6 POSITIONS)

4.00 (0.157)

1.00 (0.039)
TYP

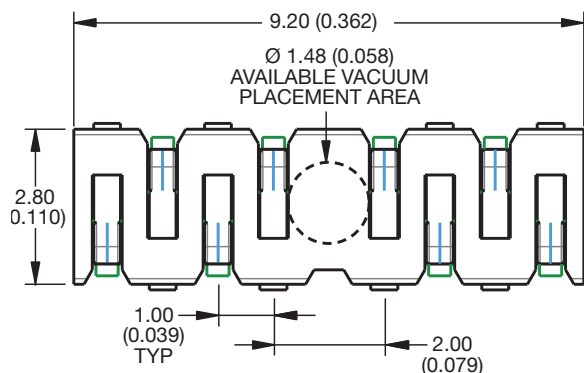
1.90 (0.075)

3 PITCHES
@ 2.00 = 6.00
(0.079 = 0.236)

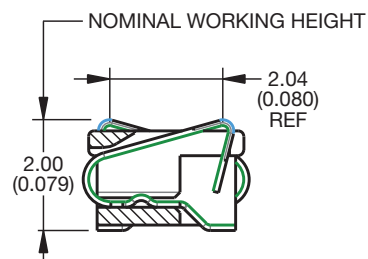
Diagram illustrating the dimensions and layout of a 6-pin header footprint. The dimensions are provided in both inches and millimeters (in parentheses).

- PAD 0.90 x 1.70 (0.035 x 0.067) GOLD PLATED (6 POSITIONS)**: Callout pointing to the top-left pin pad.
- 4.00 (0.157)**: Dimension for the pitch between the first and second pins.
- 1.00 (0.039) TYP**: Dimension for the distance from the second pin to the right edge.
- 4.10 (0.161)**: Total width of the header footprint.
- 2.00 (0.079)**: Dimension for the pitch between the first and second pins (vertical).
- 3 PITCHES @ 2.00 = 6.00 (0.079 = 0.236)**: Dimension for the total length of the header footprint.
- 7.30 (0.287)**: Total length of the header footprint.
- KEEP THIS AREA FREE FROM SOLDER RESIST**: Callout pointing to the area around the pins.

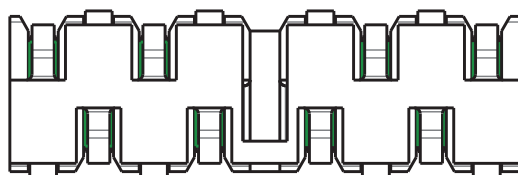
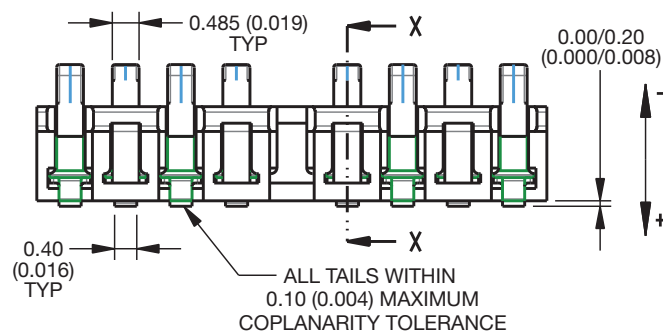
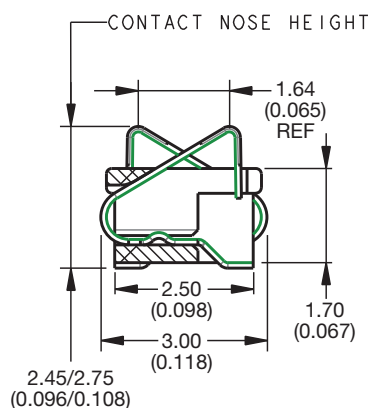
8 Way Staggered Stacker



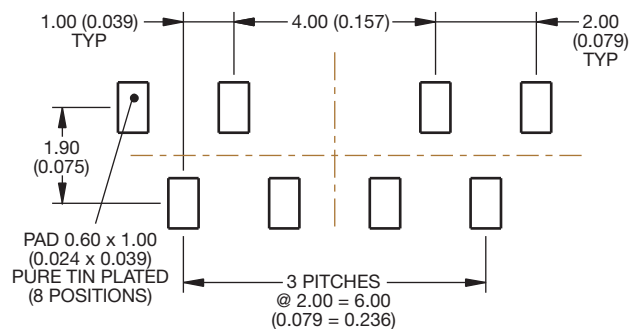
MATING CONDITION



SECTION ON X - X



SMT PCB FOOTPRINT



MATING PCB FOOTPRINT

