



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

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

ELECTRICAL

- Current Rating: 1 Amp/Contact
- Voltage Rating: 125V Based on placement distance

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

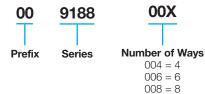
ENVIRONMENTAL

• Operating Temperature: -55°C to +125°C

MECHANICAL

- Insulator Material: High Temperature Plastic; UL94 HB
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 50 Cycles

HOW TO ORDER



| OXX Stack Height | | |
|---------------------|----------------|-------------|
| Code | Height | No. of Ways |
| 012 | 1.1mm to 1.3mm | 4 only |
| 020 | 1.9mm to 2.1mm | 4, 6, & 8 |

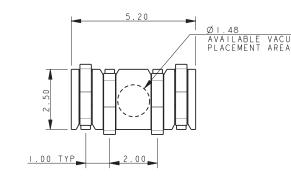


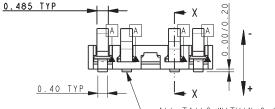




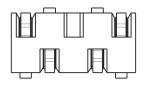
4 WAY STAGGERED STACKER – 1.2MM HEIGHT

VACUUM

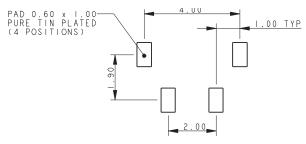




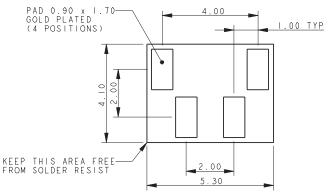




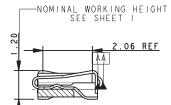
SMT PCB FOOTPRINT



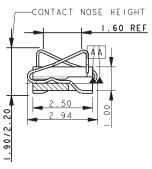
MATING PCB FOOTPRINT



MATING CONDITION



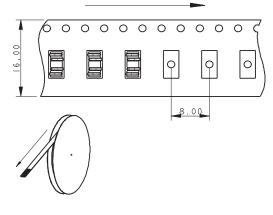
SECTION ON X-X



NOTES:

- 1. GENERAL TOLERANCE ±0.20 UNLESS SPECIFIED.
- 2. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-121.
- 3. INSULATOR MATERIAL: HIGH TEMPERATURE PLASTIC UL94 HB. COLOR BLACK.
- 4. CONTACT MATERIAL: COPPER ALLOY.
- 5. CONTACT PLATING: 1.0µM NICKEL UNDERPLATED. SELECTIVE 0.25µM GOLD ON NOSE. 2.0 TO 4.0µM PURE TIN ON TAILS.
- 6. PACKING 2000 PIECES ON A 330MM REEL.

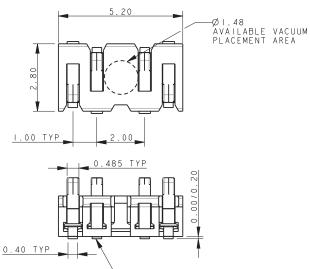
PACKING DETAILS



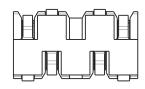
/AV/X



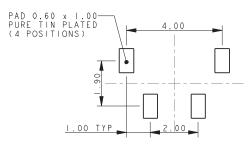
4 WAY STAGGERED STACKER – 2.0MM HEIGHT



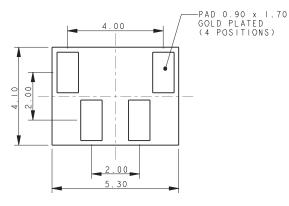
-ALL TAILS WITHIN O.IO MAXIMUM CPLINARITY TOLERANCE

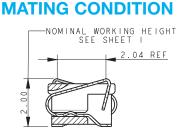


SMT PCB FOOTPRINT

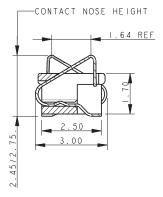


MATING PCB FOOTPRINT





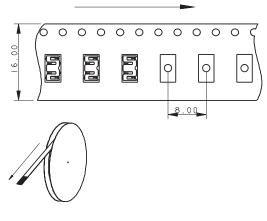
SECTION ON X-X



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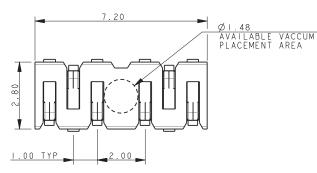
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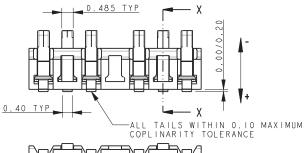
PACKING DETAILS

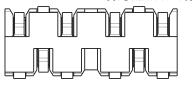




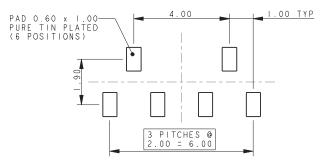
6 WAY STAGGERED STACKER – 2.0MM HEIGHT



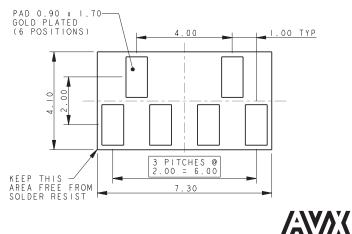




SMT PCB FOOTPRINT

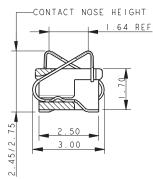


MATING PCB FOOTPRINT



MATING CONDITION

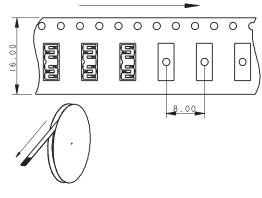
SECTION ON X-X



NOTES:

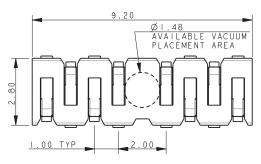
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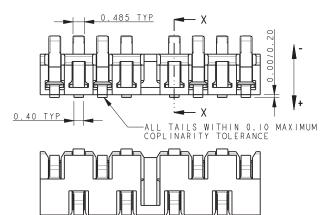
PACKING DETAILS



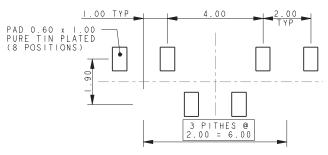


8 WAY STAGGERED STACKER – 2.0MM HEIGHT

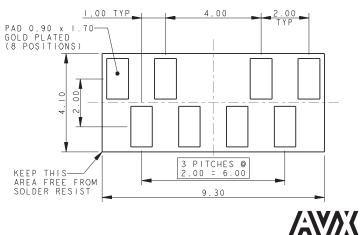


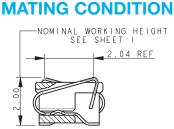


SMT PCB FOOTPRINT

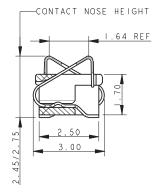


MATING PCB FOOTPRINT





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PACKING DETAILS

