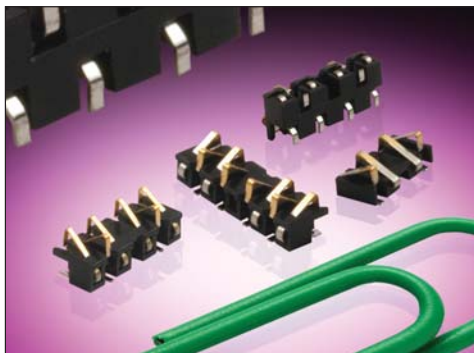


# Staggered Stacker: BTB

00-9188



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

## 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

## ELECTRICAL

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

## 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

<b>00</b>	<b>9188</b>	<b>00X</b>
Prefix	Series	Number of Ways
		004 = 4
		006 = 6
		008 = 8

0XX

T

Stack Height

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

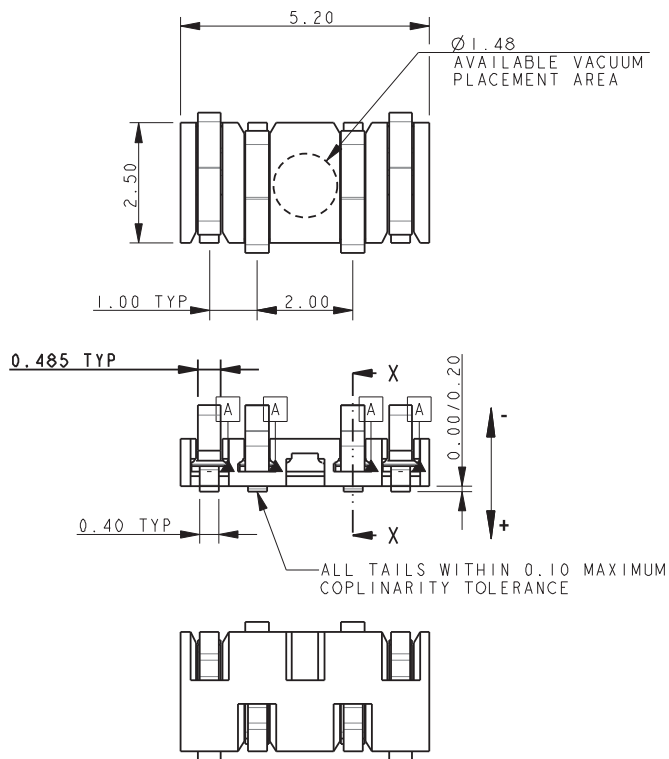
<b>062</b>
Plating Variation
062 = Selective Gold
0.25µm Gold Plated
Contact Nose Pure
Tin Tail



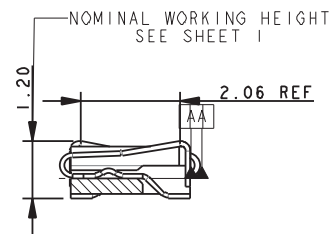
# Staggered Stacker: BTB

00-9188

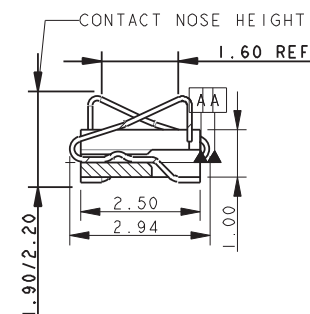
## 4 WAY STAGGERED STACKER – 1.2MM HEIGHT



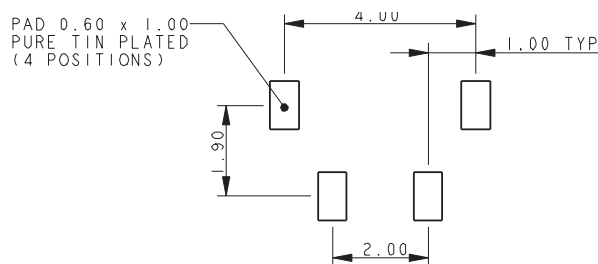
### MATING CONDITION



### SECTION ON X-X



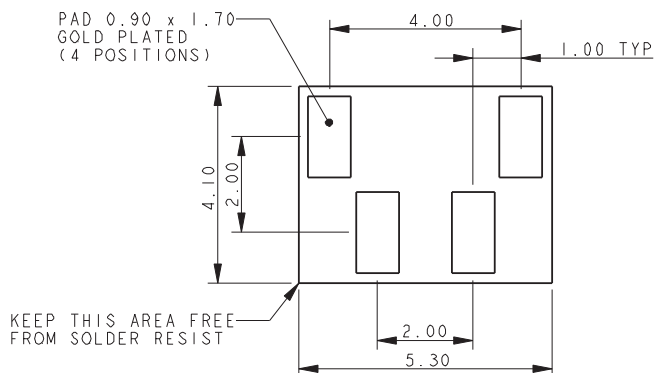
### SMT PCB FOOTPRINT



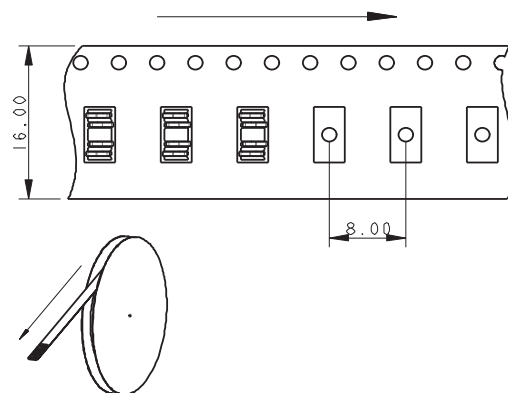
### NOTES:

1. GENERAL TOLERANCE  $\pm 0.20$  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: 1.0 $\mu$ M NICKEL UNDERPLATED. SELECTIVE 0.25 $\mu$ M GOLD ON NOSE. 2.0 TO 4.0 $\mu$ M PURE TIN ON TAILS.
6. PACKING 2000 PIECES ON A 330MM REEL.

### MATING PCB FOOTPRINT



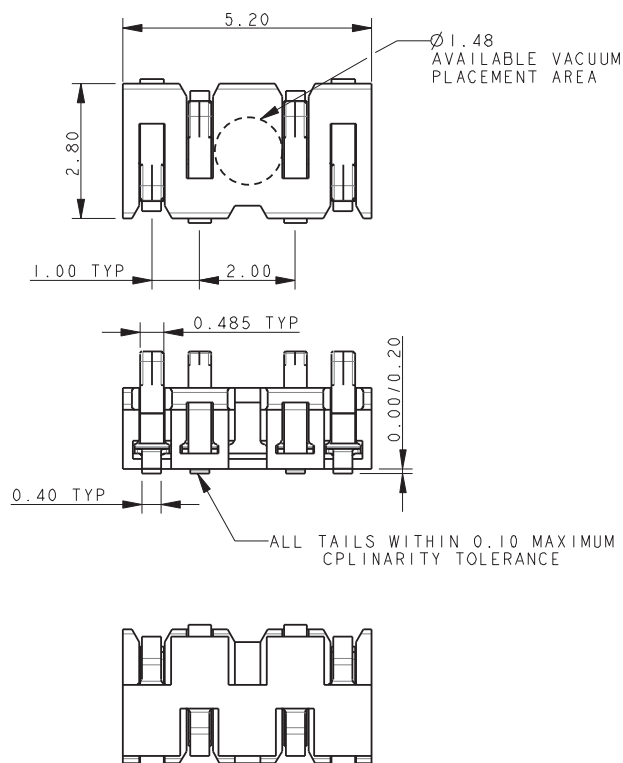
### PACKING DETAILS



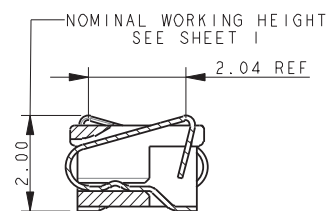
# Staggered Stacker: BTB

00-9188

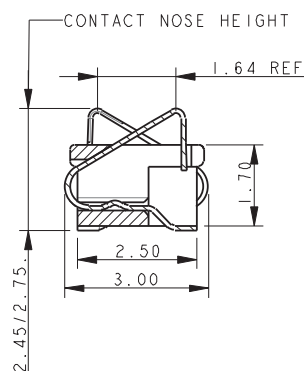
## 4 WAY STAGGERED STACKER – 2.0MM HEIGHT



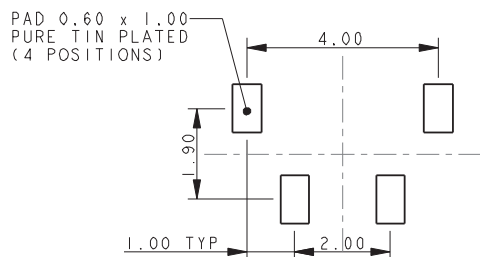
### MATING CONDITION



### SECTION ON X-X



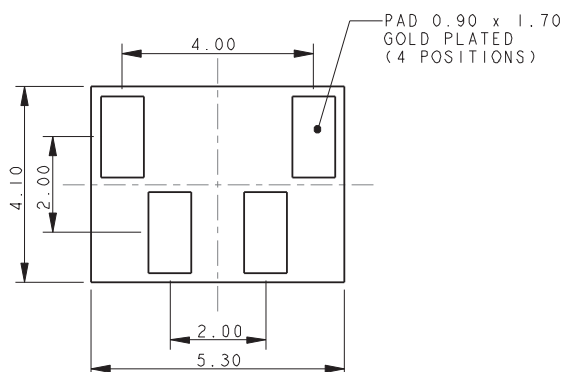
### SMT PCB FOOTPRINT



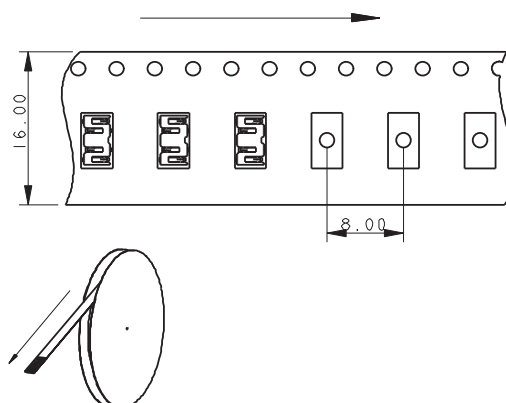
### NOTES:

1. GENERAL TOLERANCE  $\pm 0.20$  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: 1.0 $\mu$ M NICKEL UNDERPLATED. SELECTIVE 0.25 $\mu$ M GOLD ON NOSE. 2.0 TO 4.0 $\mu$ M PURE TIN ON TAILS.
6. PACKING 2000 PIECES ON A 330MM REEL.

### MATING PCB FOOTPRINT



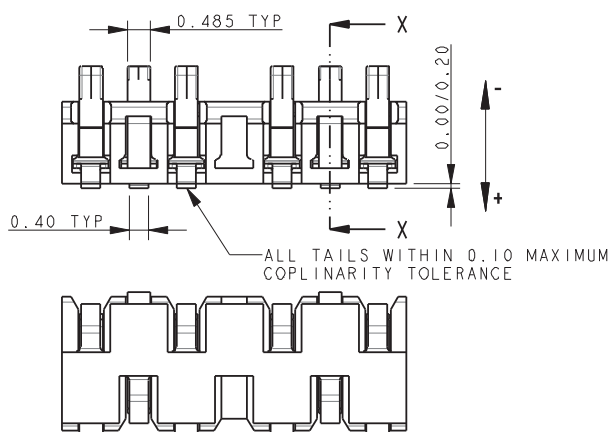
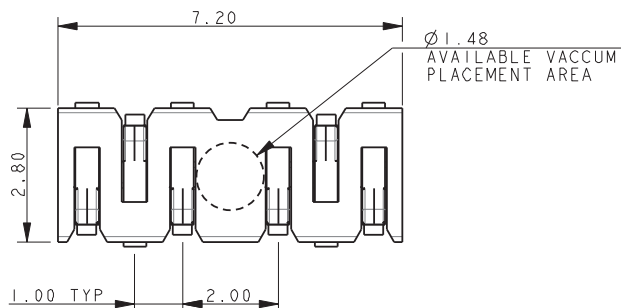
### PACKING DETAILS



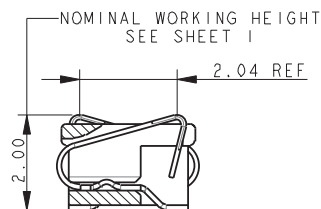
# Staggered Stacker: BTB

00-9188

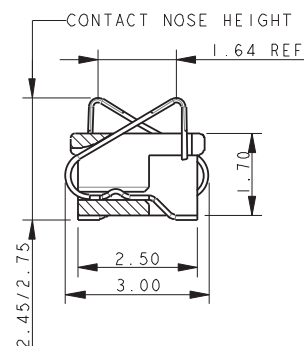
## 6 WAY STAGGERED STACKER – 2.0MM HEIGHT



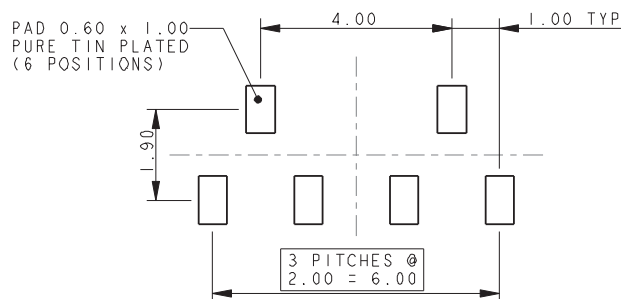
### MATING CONDITION



### SECTION ON X-X



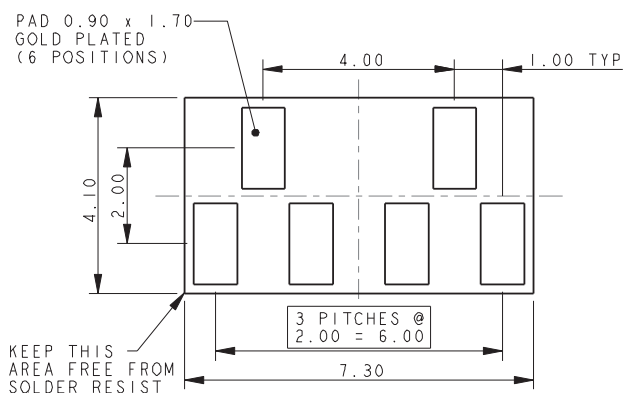
### SMT PCB FOOTPRINT



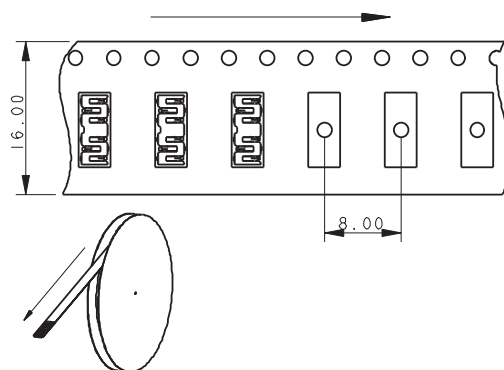
### NOTES:

1. GENERAL TOLERANCE  $\pm 0.20$  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: 1.0 $\mu$ M NICKEL UNDERPLATED. SELECTIVE 0.25 $\mu$ M GOLD ON NOSE. 2.0 TO 4.0 $\mu$ M PURE TIN ON TAILS.
6. PACKING 2000 PIECES ON A 330MM REEL.

### MATING PCB FOOTPRINT



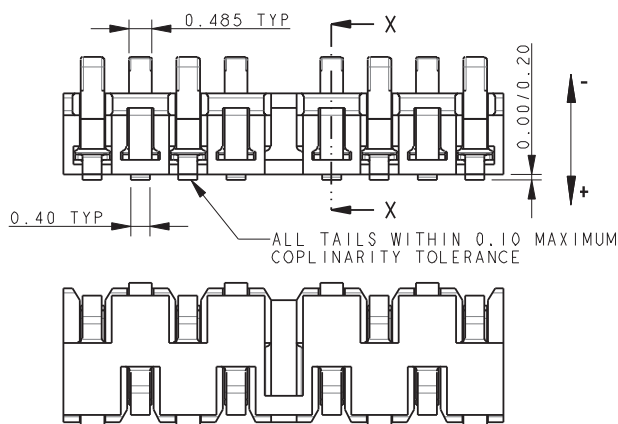
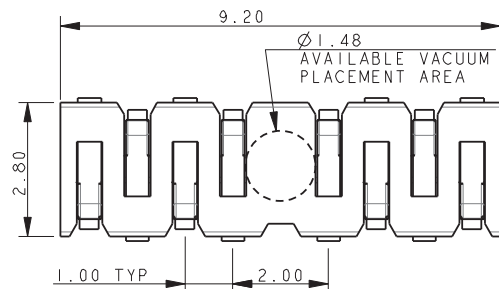
### PACKING DETAILS



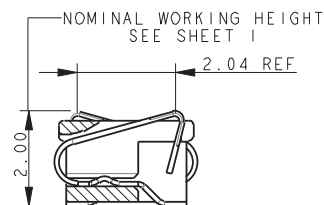
# Staggered Stacker: BTB

00-9188

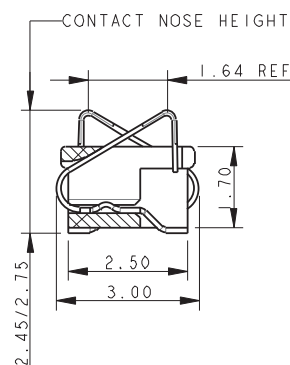
## 8 WAY STAGGERED STACKER – 2.0MM HEIGHT



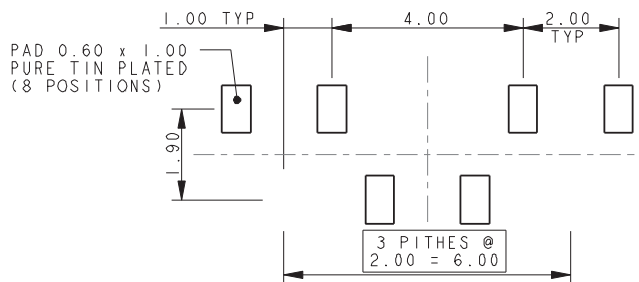
### MATING CONDITION



### SECTION ON X-X



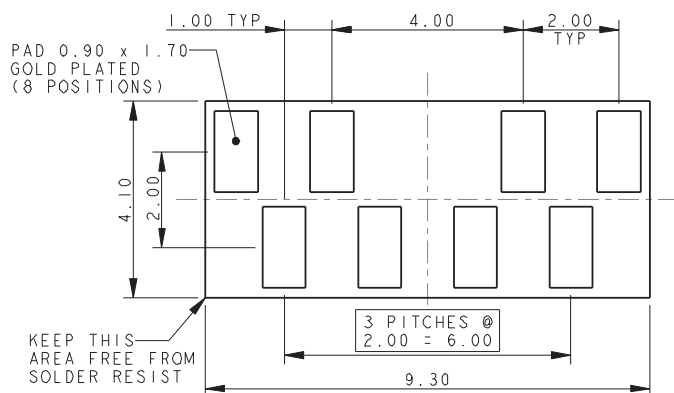
### SMT PCB FOOTPRINT



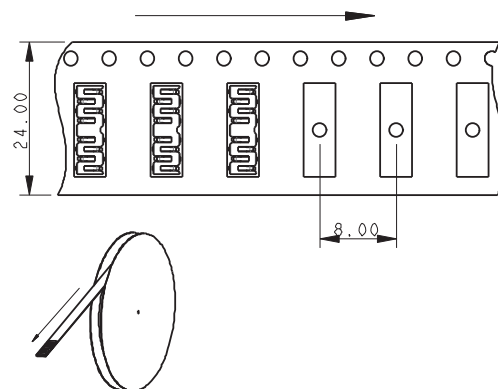
### NOTES:

1. GENERAL TOLERANCE  $\pm 0.20$  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: 1.0 $\mu$ M NICKEL UNDERPLATED. SELECTIVE 0.25 $\mu$ M GOLD ON NOSE. 2.0 TO 4.0 $\mu$ M PURE TIN ON TAILS.
6. PACKING 2000 PIECES ON A 330MM REEL.

### MATING PCB FOOTPRINT



### PACKING DETAILS



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[AVX:](#)

[009188008020062](#) [009188006020062](#) [009188004012062](#) [009188004020062](#)