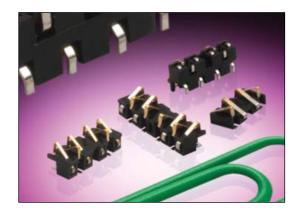
Staggered Stacker: 00-9188-BTB

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

- **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

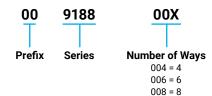
ENVIRONMENTAL

· 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







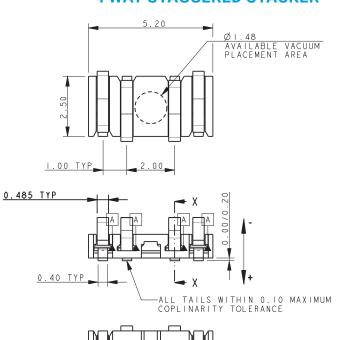
Tin Tail

Contact Nose Pure

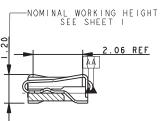




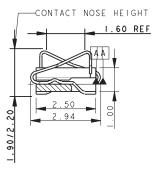
4 WAY STAGGERED STACKER - 1.2MM HEIGHT



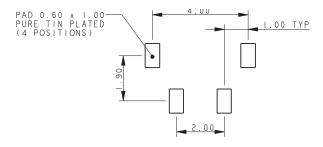
MATING CONDITION



SECTION ON X-X



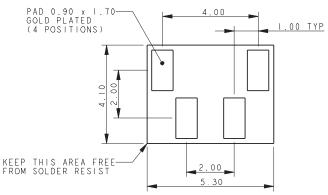
SMT PCB FOOTPRINT



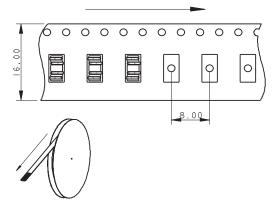
NOTES:

- 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: 1.0 M NICKEL UNDERPLATED. SELECTIVE 0.25 M GOLD ON NOSE. 2.0 TO 4.0 M PURE TIN ON TAILS.
- 6. PACKING 2000 PIECES ON A 330MM REEL.

MATING PCB FOOTPRINT

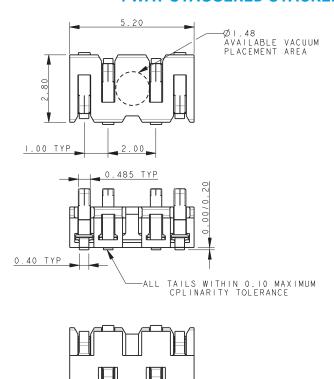


PACKING DETAILS

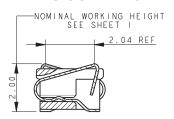




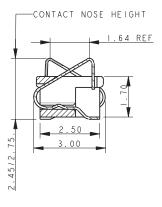
4 WAY STAGGERED STACKER - 2.0MM HEIGHT



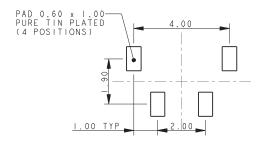
MATING CONDITION



SECTION ON X-X



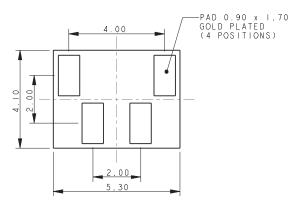
SMT PCB FOOTPRINT



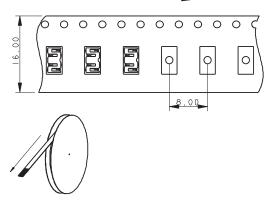
NOTES:

- 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: 1.0 M NICKEL UNDERPLATED. SELECTIVE 0.25 M GOLD ON NOSE. 2.0 TO 4.0 M PURE TIN ON TAILS.
- 6. PACKING 2000 PIECES ON A 330MM REEL.

MATING PCB FOOTPRINT



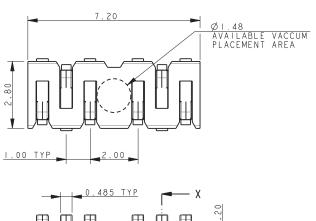
PACKING DETAILS

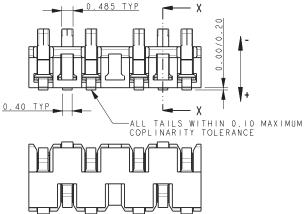


KYDEER3 | The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order

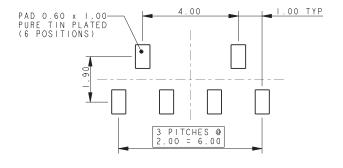


6 WAY STAGGERED STACKER - 2.0MM HEIGHT

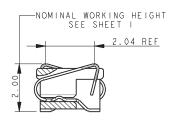




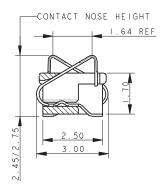
SMT PCB FOOTPRINT



MATING CONDITION



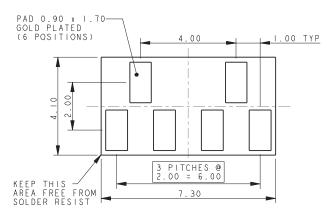
SECTION ON X-X



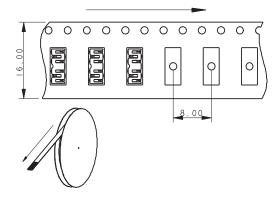
NOTES:

- 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: 1.0 M NICKEL UNDERPLATED. SELECTIVE 0.25 M GOLD ON NOSE. 2.0 TO 4.0 M PURE TIN ON TAILS.
- 6. PACKING 2000 PIECES ON A 330MM REEL.

MATING PCB FOOTPRINT



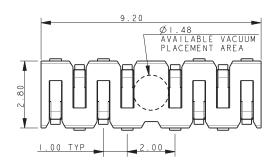
PACKING DETAILS

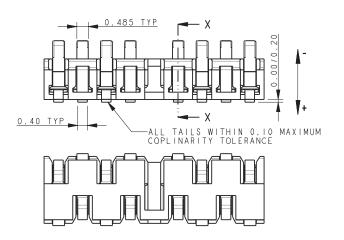


KYDCER3 | The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

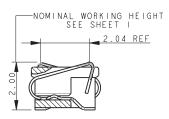


8 WAY STAGGERED STACKER - 2.0MM HEIGHT

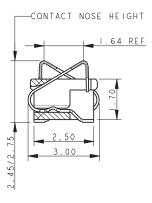




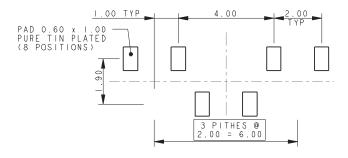
MATING CONDITION



SECTION ON X-X



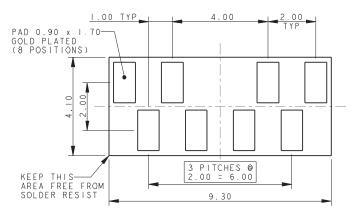
SMT PCB FOOTPRINT



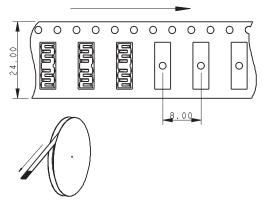
NOTES:

- 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: 1.0 M NICKEL UNDERPLATED. SELECTIVE 0.25 M GOLD ON NOSE. 2.0 TO 4.0 M PURE TIN ON TAILS.
- 6. PACKING 2000 PIECES ON A 330MM REEL.

MATING PCB FOOTPRINT



PACKING DETAILS

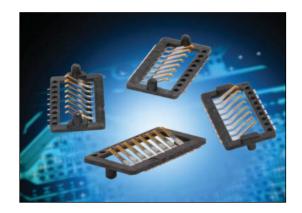


KYDEERa
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Ultra Low Profile Stacker: 00-9258-BTB

General Description





The SOLO series 9258 is a one-piece connector used to connect two PCBs in a cost effective manner.

This connector is a 1.0mm pitch available in an 8 position with stack heights of 0.40mm and 0.80mm. It is available with or without location bosses.

This connector 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 boards.

APPLICATIONS

- Mobile phones
- Handheld scanners
- · Portable medical devices
- Display interface

FEATURES AND BENEFITS

Single piece connector - no mating half connector 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
- · Extremely robust when it comes to shock and vibration

ELECTRICAL

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

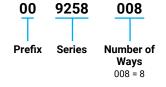
ENVIRONMENTAL

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

MECHANICAL

- · Insulator Material: High Temperature Plastic: UL94 V-0
- Contact Material: Beryllium Copper
- · Plating: Gold over Nickel
- · Durability: 50 Cycles

HOW TO ORDER



	Connec	tor Height	
Code	Stack Height	Contact Height	Qty
004	0.40mm	1.00-1.30	No. of
800	0.80mm	1.40-1.70	Ways

00X



Plating Variation 06 = Selective Gold 0.25µm Gold Plated Contact Nose Pure Tin Tail



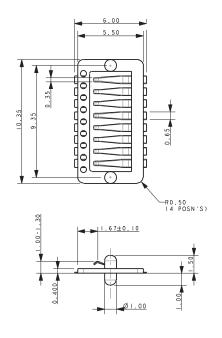
PCB Location Bosses

- 1 = With PCB Location Bosses (top side)
- 2 = Without PCB Location Bosses
- 3 = With SMT PCB Location Bosses (bottom side)
- 4 = With SMT and Mating PCB Location Bosses (top and bottom side)



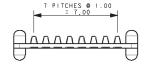


0.4MM ULTRA LOW PROFILE STACKER



NOTES:

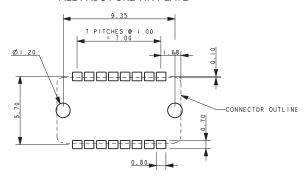
- 1. 8 WAY ULTRA LOW PROFILE STACKER IN 0.8MM STACK HEIGHT.
- 2. INSULATOR MATERIAL: NYLON 46 HF5040, 40% GLASS FILLED UL94 V-0. COLOR BLACK.
- 3. CONTACT MATERIAL; 0.10MM THICK BeCu.
- 4. CONTACT PLATING: NICKEL UNDERPLATE, SELECTIVE GOLD PLATED CONTACT NOSES PURE TIN PLATED CONTACT SMT TAILS.
- PARTS TO BE PACKED IN TAPE AND REEL, QTY: 1200.
- 6. ALL DIMENSIONS FOR REFERENCE UNLESS TOLERANCED.
- 7. FOR FURTHER INFORMATION REFER TO SPECIFICATION 201-01-115.





PROPOSED SMT PCB LAYOUT

ALL PADS PURE TIN PLATE

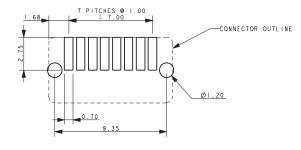


WITH MATING PCB LOCATION BOSSES (TOP SIDE)



PROPOSED MATING PCB LAYOUT

ALL PADS GOLD PLATE



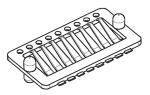
WITHOUT PCB LOCATION BOSSES



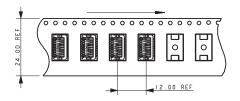
WITH SMT PCB LOCATION BOSSES (BOTTOM SIDE)



WITH PCB AND SMT LOCATION BOSSES

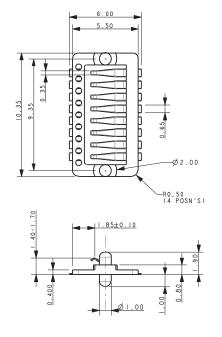


PACKING TAPE DETAILS



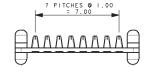


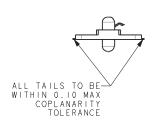
0.8MM ULTRA LOW PROFILE STACKER



NOTES:

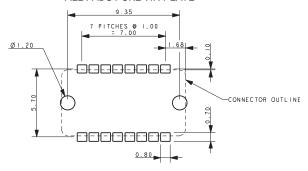
- 1. 8 WAY ULTRA LOW PROFILE STACKER IN 0.4MM STACK HEIGHT.
- 2. INSULATOR MATERIAL: NYLON 46 HF5040, 40% GLASS FILLED UL94 V-0. COLOR BLACK.
- 3. CONTACT MATERIAL; 0.10MM THICK BeCu.
- 4. CONTACT PLATING: NICKEL UNDERPLATE, SELECTIVE GOLD PLATED CONTACT NOSES PURE TIN PLATED CONTACT SMT TAILS.
- PARTS TO BE PACKED IN TAPE AND REEL, QTY: 1400.
- 6. ALL DIMENSIONS FOR REFERENCE UNLESS TOLERANCED.
- 7. FOR FURTHER INFORMATION REFER TO SPECIFICATION 201-01-115.



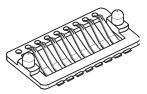


PROPOSED SMT PCB LAYOUT

ALL PADS PURE TIN PLATE



WITH MATING PCB LOCATION BOSSES (TOP SIDE)



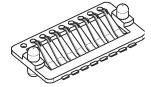
WITHOUT PCB

LOCATION BOSSES



WITH SMT PCB LOCATION BOSSES

(BOTTOM SIDE)

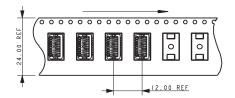


PACKING TAPE DETAILS

PROPOSED MATING PCB LAYOUT

ALL PADS GOLD PLATE

1.68



WITH PCB AND SMT **LOCATION BOSSES**

CONNECTOR OUTLINE