

Ultra-Low Profile 2.5mm Pitch Battery

9155-100



The AVX Interconnect group has released a new ultra-low profile 3 amp per contact connector for battery pack or slide-in module applications. The compressed “Z” axis height of 1.3mm leads the industry from a profile standpoint. The initial product is in a 2 & 3 position configuration with other sizes expected to follow. The connector has an integral end block to act as a mechanical stop.

APPLICATIONS

- Cellular Phones
- Handheld Devices
- Industrial Modules
- Medical Electronics

FEATURES AND BENEFITS

- Ultra-Low Profile
- 3 amps/contact
- Integral End Stop
- 5k mating cycles

ELECTRICAL

- Current Rating: 3 Amp / Contact
- Voltage Rating: 125 VAC

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

MECHANICAL

- Insulator Material: Glass-Filled Nylon 46; UL94 V-O
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles

HOW TO ORDER

00 **9155** **00X**
Prefix Series No. of Ways
2 = 002
3 = 003

10X
Low Profile
Battery Connector

Code	Description	Operating Height
100	Low Profile Battery Connector No Stop	1.30 (0.051)
101	Low Profile Battery Connector Stop	1.30 (0.051)

00X
Plating Option

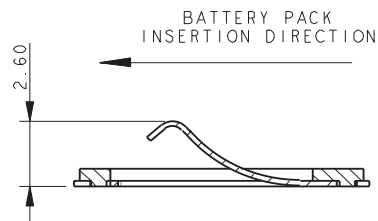
Code	Description
006	0.4µm Selective Gold, Standard
008	0.8µm Selective Gold, Special Order



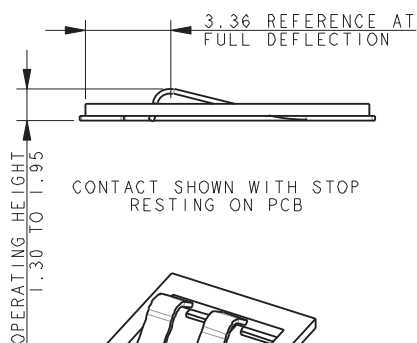
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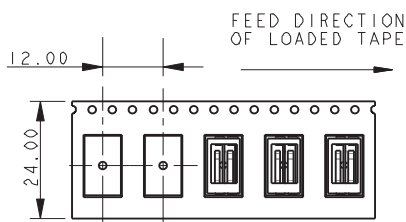
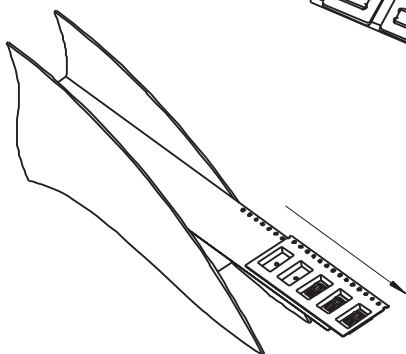
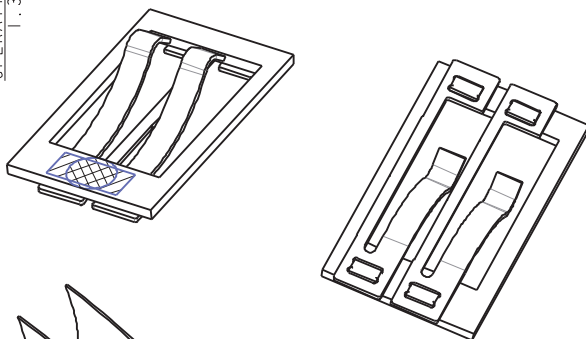
2 WAY LOW PROFILE BATTERY CONNECTOR – NO STOP



SECTION A-A
PURE CONTACT UNDEFLECTED

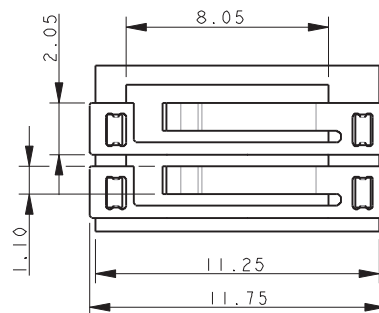
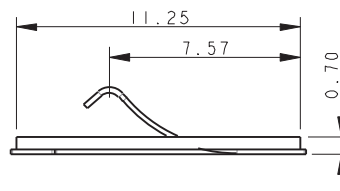
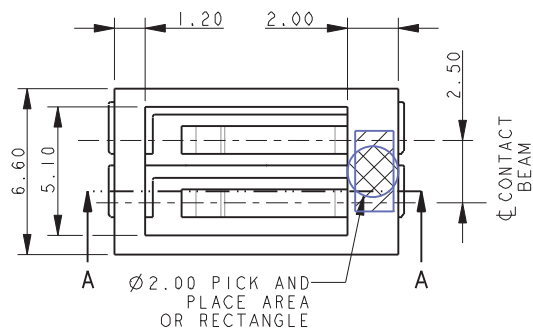


CONTACT SHOWN WITH STOP
RESTING ON PCB

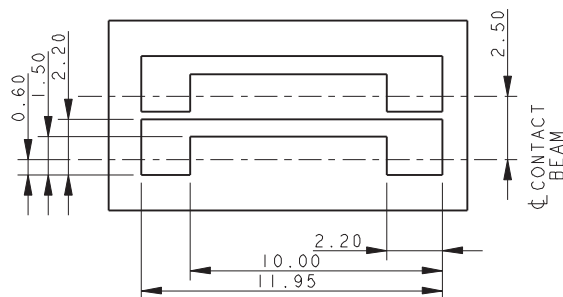


PACKING DETAILS

REEL QTY	1500
LEADER	500MM
TRAILER	500MM



SUGGESTED PCB LAYOUT



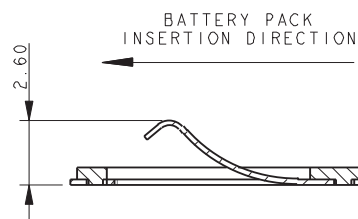
NOTES:

1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-094.
2. MATERIALS: CONTACT – COPPER ALLOW, INSULATOR – GLASS FILLED NYLON. COLOR BLACK.
3. TOLERANCE ± 0.20 UNLESS SPECIFIED.
4. PACKING DETAILS. SEE TABLE.
5. FOR MATING PAD DETAILS REFER TO PAGE 6.

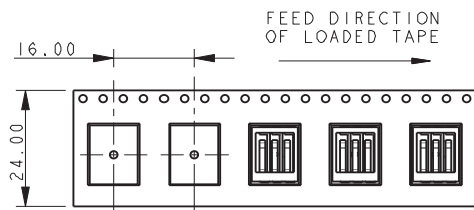
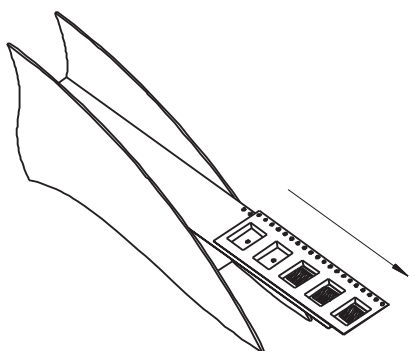
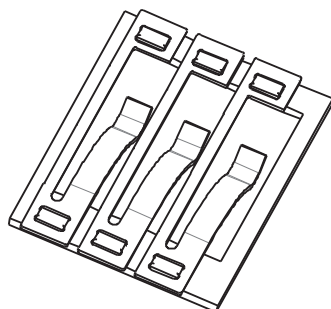
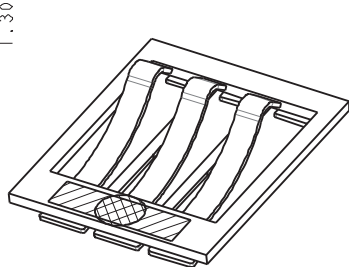
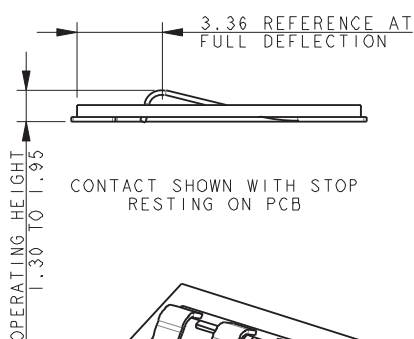
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3 WAY LOW PROFILE BATTERY CONNECTOR – NO STOP

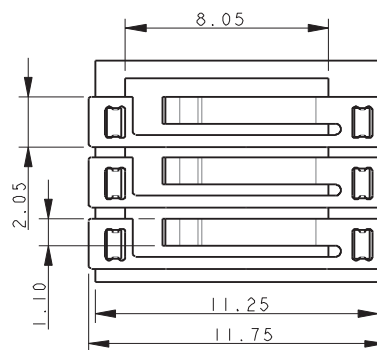
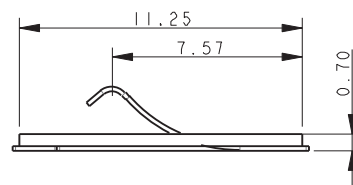
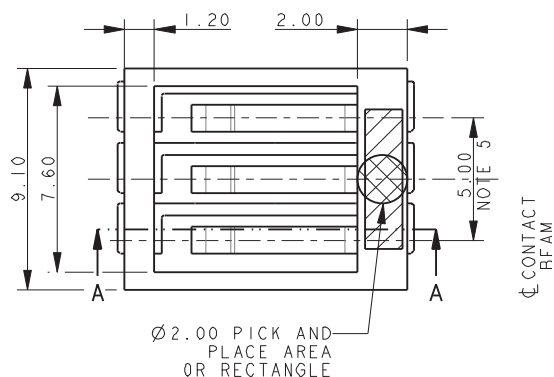


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PURE CONTACT UNDEFLECTED

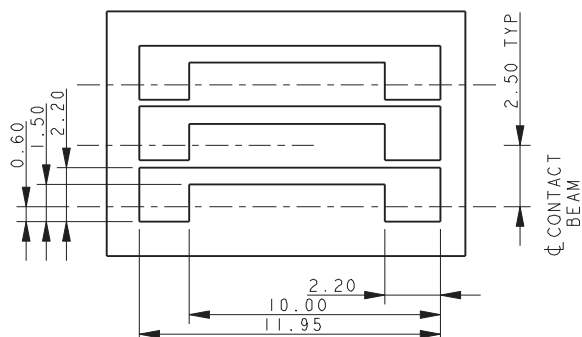


PACKING DETAILS

REEL QTY	1200
LEADER	500MM
TRAILER	500MM



SUGGESTED PCB LAYOUT



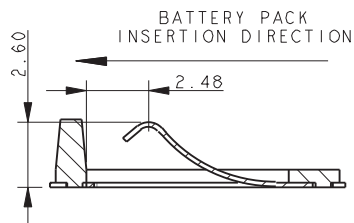
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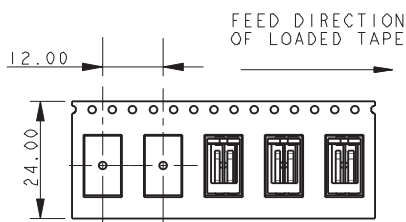
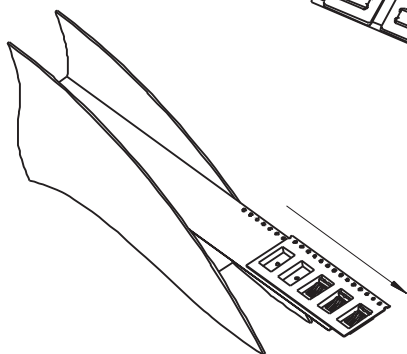
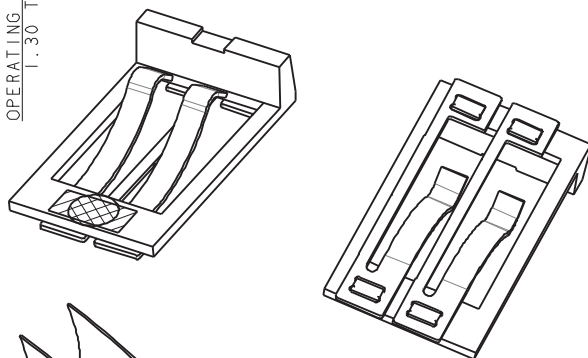
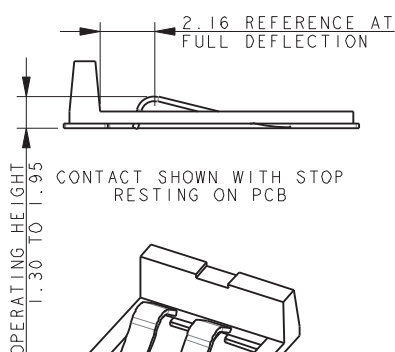
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2 WAY LOW PROFILE BATTERY CONNECTOR – WITH STOP

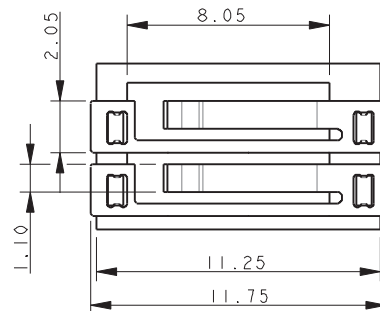
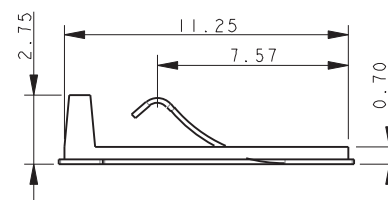
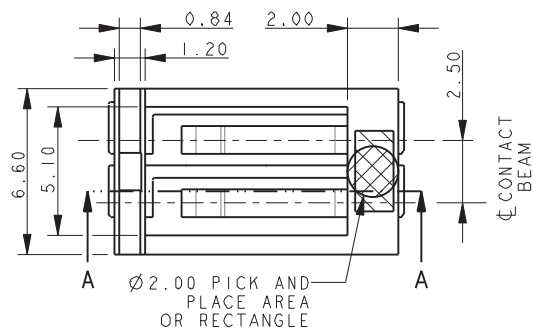


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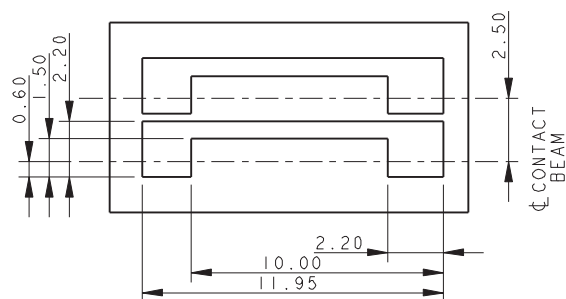


PACKING DETAILS

REEL QTY	1500
LEADER	500MM
TRAILER	500MM



SUGGESTED PCB LAYOUT



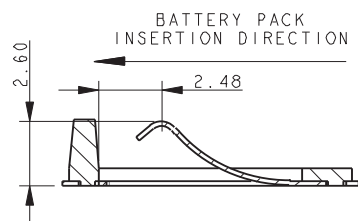
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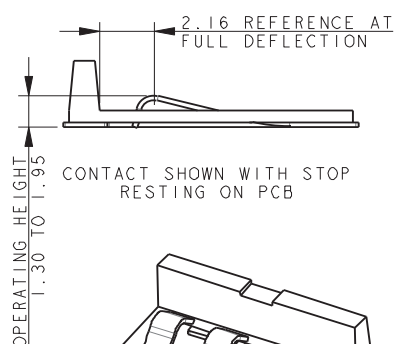
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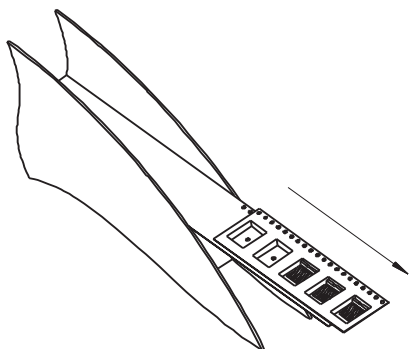
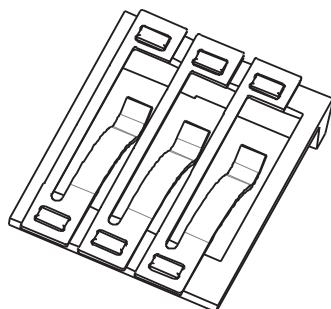
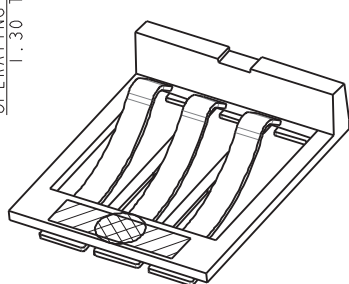


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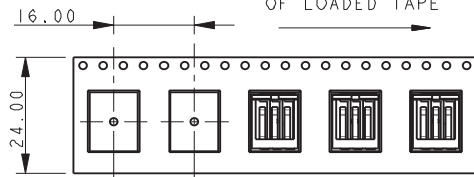


OPERATING HEIGHT
1.30 TO 1.95

CONTACT SHOWN WITH STOP
RESTING ON PCB

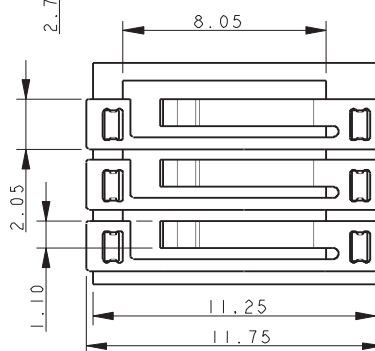
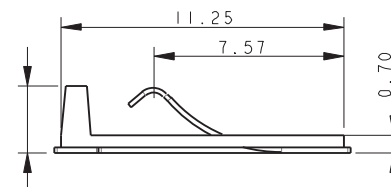
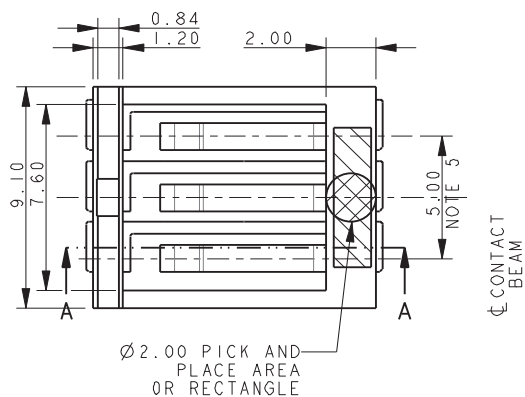


FEED DIRECTION
OF LOADED TAPE

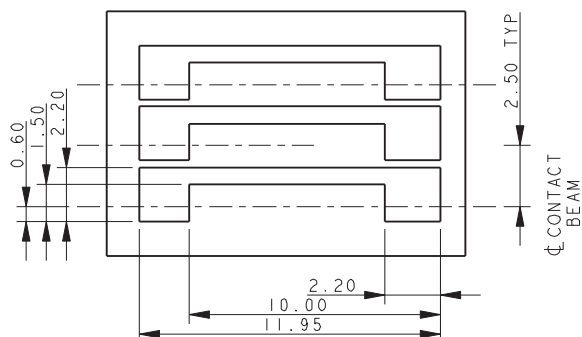


PACKING DETAILS

REEL QTY	1200
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TRAILER	500MM



SUGGESTED PCB LAYOUT



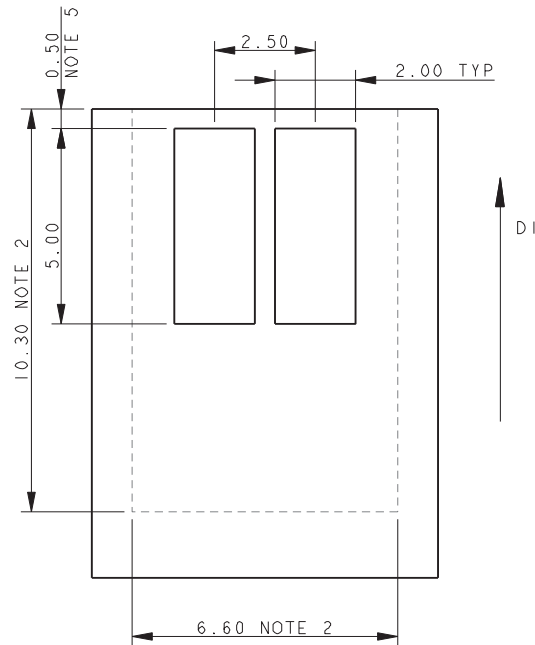
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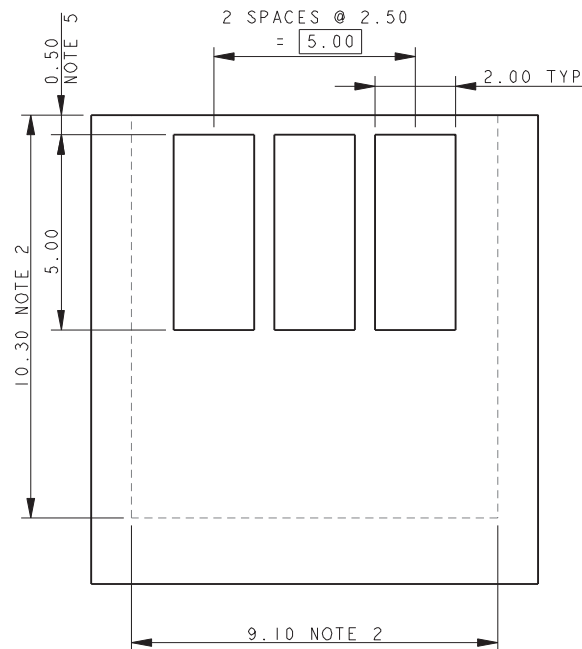
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LOW PROFILE BATTERY – MATING PADS



2 WAY MATING PADS



3 WAY MATING PADS

NOTES:

1. SUGGESTED MATING PADS FOR LOW PROFILE BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERRED PLATING ON PADS GOLD OVER NICKEL.
4. REFERENCE DIMENSIONS.
5. DIMENSIONS TO EDGE OF BOARD FOR CONNECTOR WITH STOP.