

Reduced Battery 2.5mm Pitch

9155-200



The newest product in AVX's Interconnect family of battery connectors saves 50% in volume over the initial 9155 series compression connectors as illustrated in the photograph. These connectors are rated at a full 3 amps per contact on 2.5mm centers. Sizes range from 2 positions through 5 positions and are end to end stackable.

APPLICATIONS

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

FEATURES AND BENEFITS

- 2.4mm insulator height
- 3 amps/contact
- Large SMT mounting area for positive mechanical attachment
- 5k mating cycles
- End-to-end stackable

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 HB
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles

HOW TO ORDER

00

Prefix

9155

Series

00X

No. of Ways

- 2 = 002
- 3 = 003
- 4 = 004
- 5 = 005

201

Reduced Size Battery Connector

Code	Description
201	Reduced Size Battery Connector

00X

Plating Option

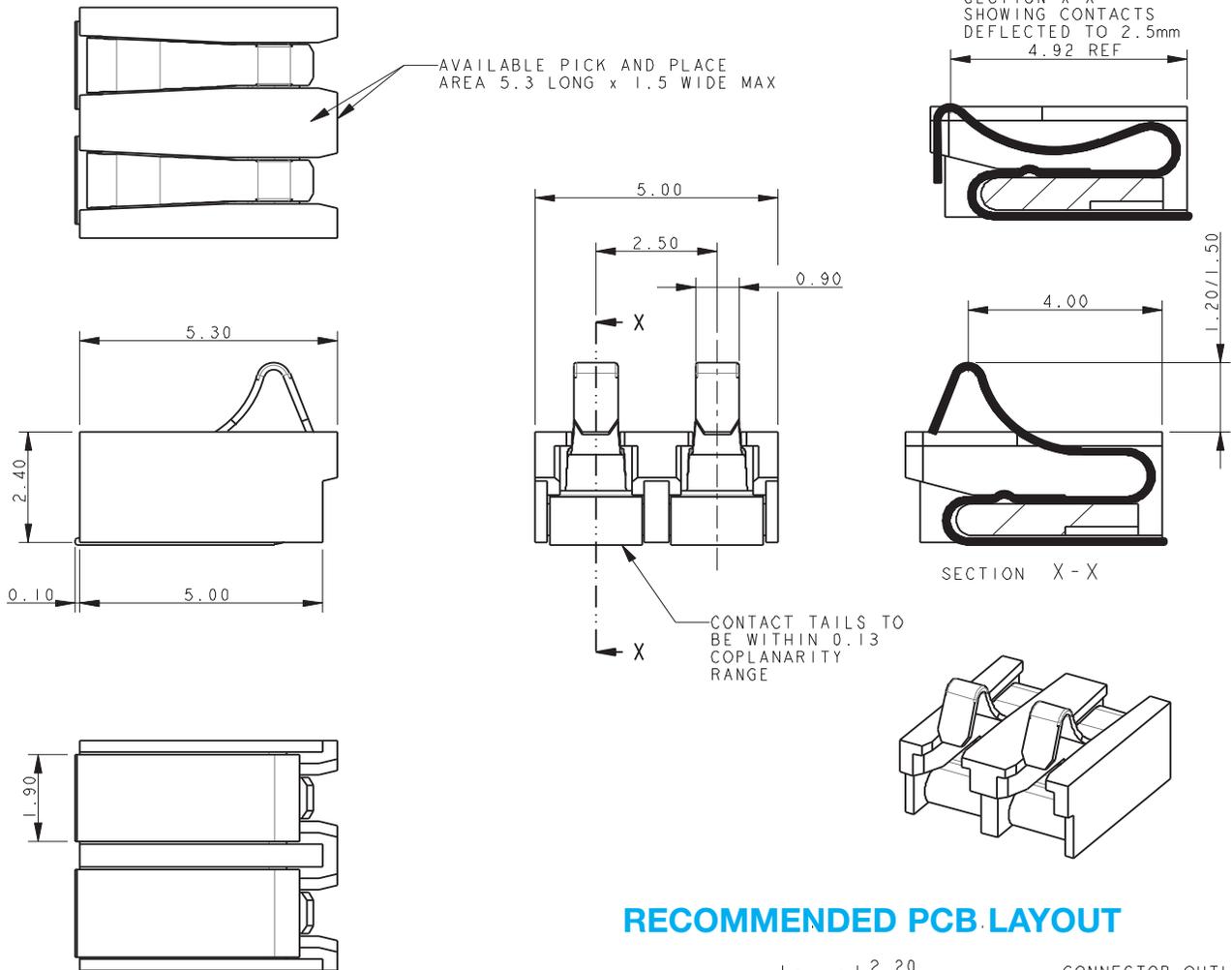
Code	Description
006	0.4µm Selective Gold, Standard
008	0.8µm Selective Gold, Special Order



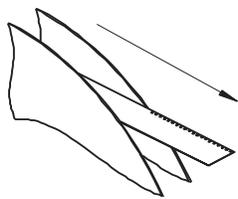
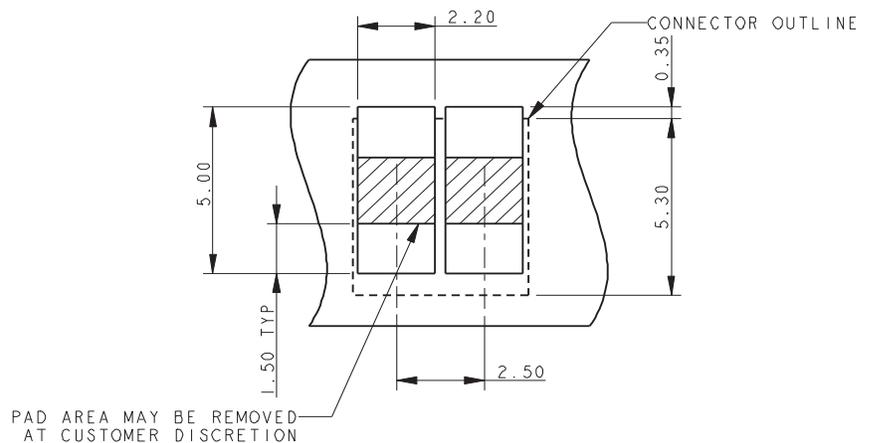
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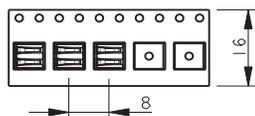
2 WAY REDUCED SIZE BATTERY CONNECTOR



RECOMMENDED PCB LAYOUT



PACKING ORIENTATION



PACKING DETAILS

REEL QTY	2000
LEADER	500MM
TRAILER	500MM

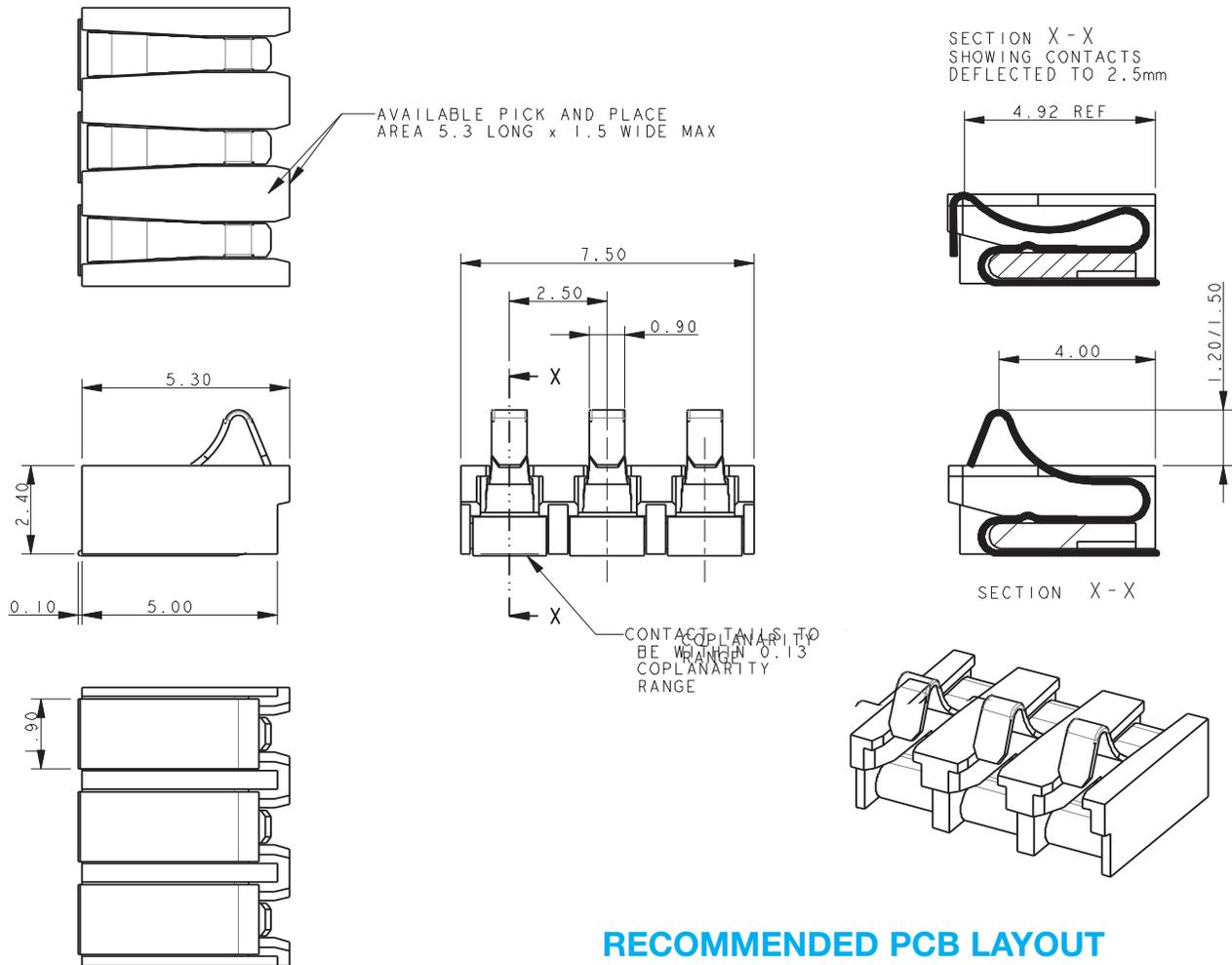
NOTES:

1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ± 0.20 .
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.

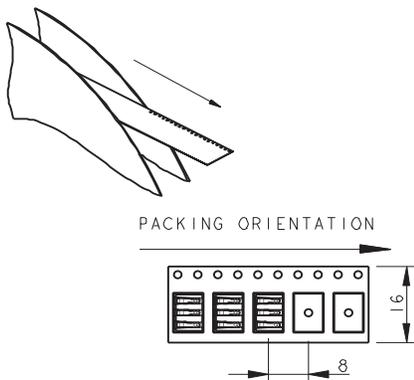
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3 WAY REDUCED SIZE BATTERY CONNECTOR

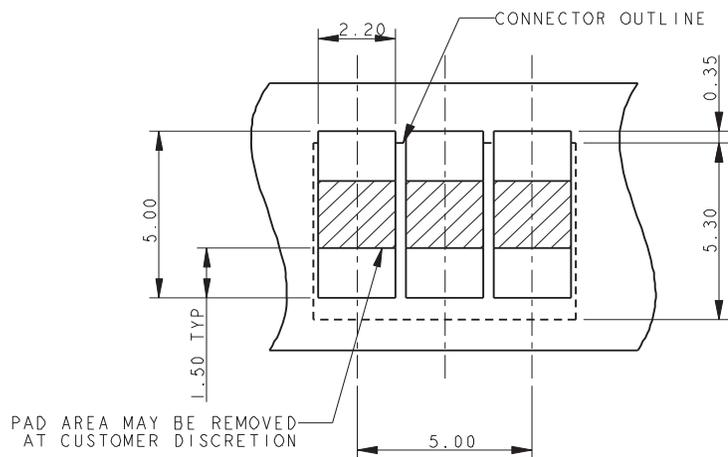


RECOMMENDED PCB LAYOUT



PACKING DETAILS

REEL QTY	2000
LEADER	500MM
TRAILER	500MM



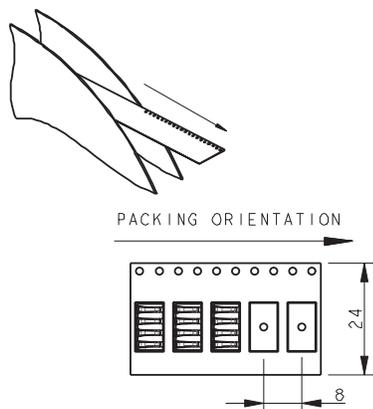
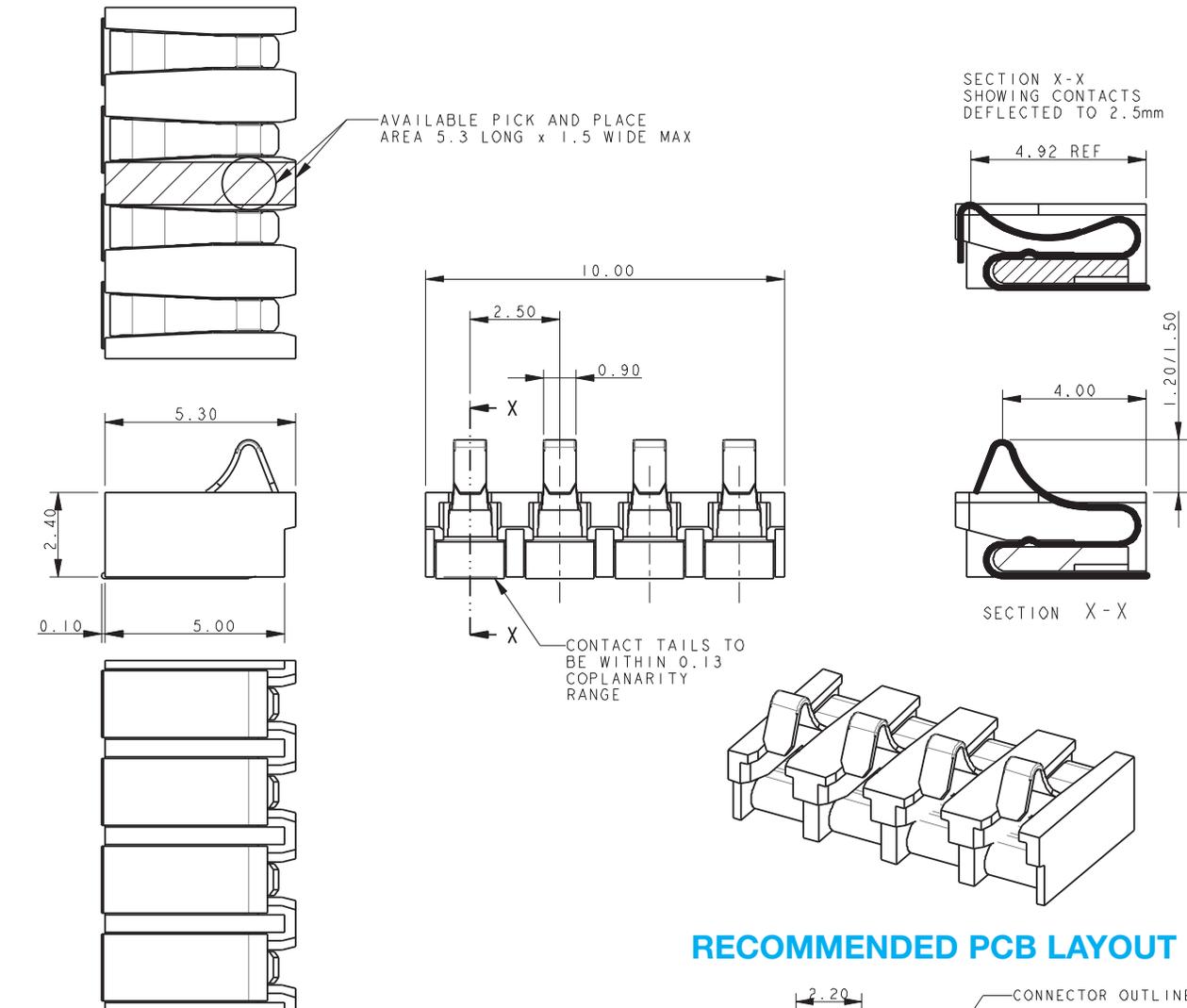
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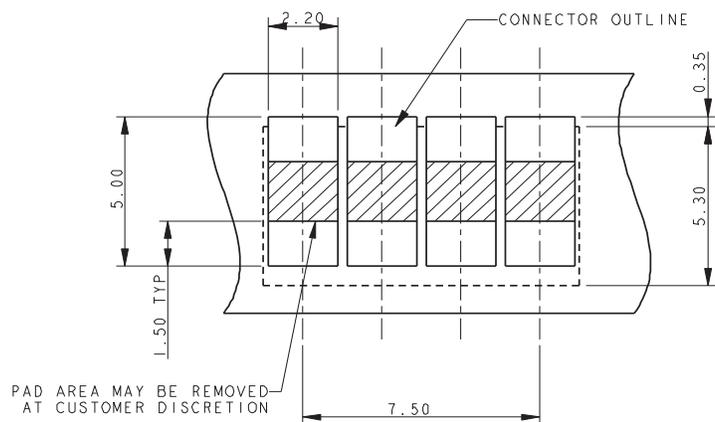
4 WAY REDUCED SIZE BATTERY CONNECTOR



PACKING DETAILS

REEL QTY	2000
LEADER	500MM
TRAILER	500MM

RECOMMENDED PCB LAYOUT



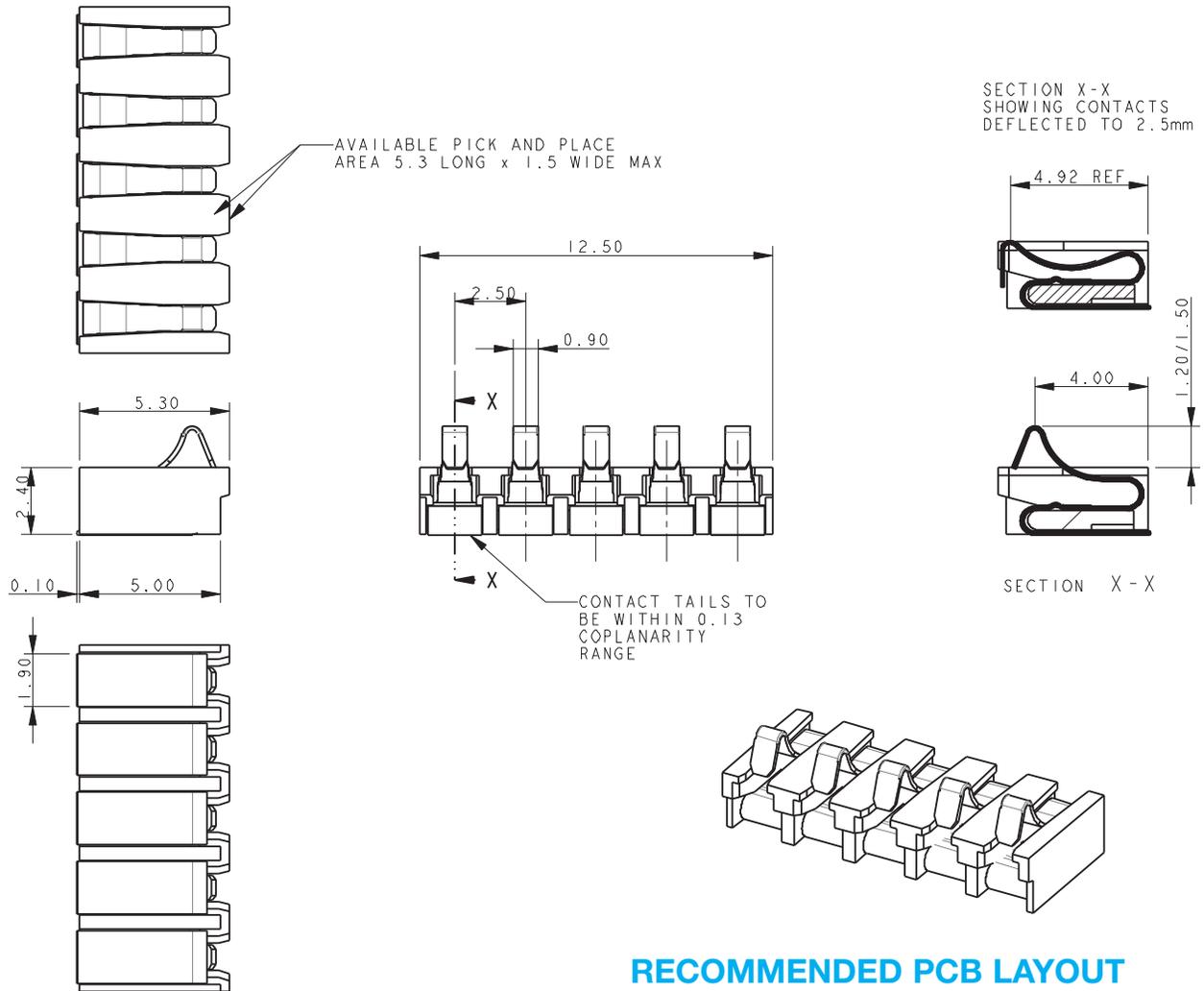
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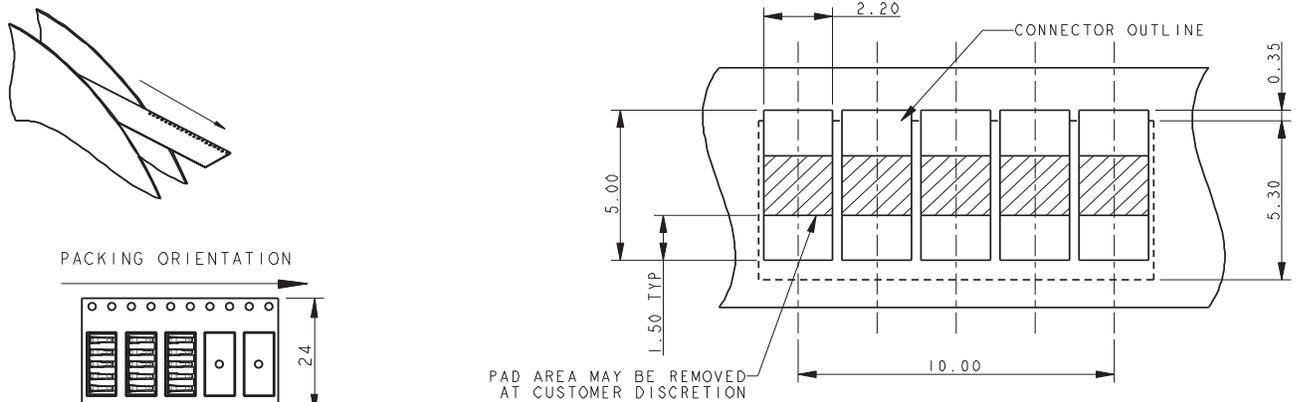
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5 WAY REDUCED SIZE BATTERY CONNECTOR



RECOMMENDED PCB LAYOUT



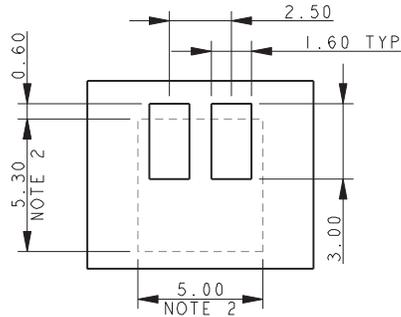
PACKING DETAILS

REEL QTY	2000
LEADER	500MM
TRAILER	500MM

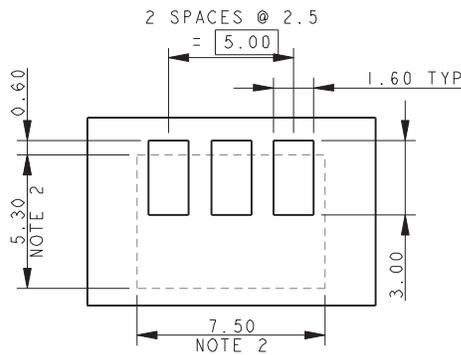
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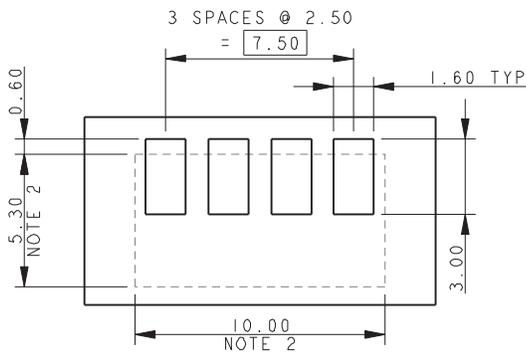
REDUCED SIZE BATTERY CONNECTOR – MATING PADS



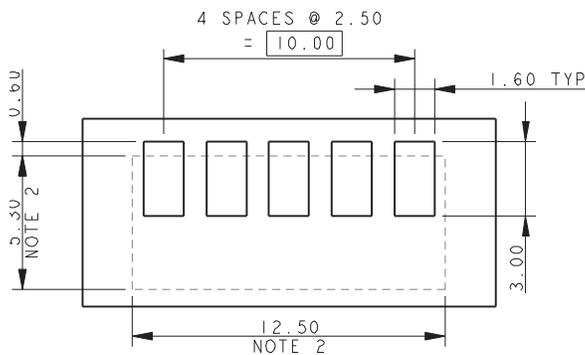
2 WAY MATING PADS



3 WAY MATING PADS



4 WAY MATING PADS



5 WAY MATING PADS

NOTES:

1. SUGGESTED MATING PADS FOR REDUCED SIZE BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERRED PLATING ON PADS GOLD OVER NICKEL.
4. REFERENCE DIMENSIONS.