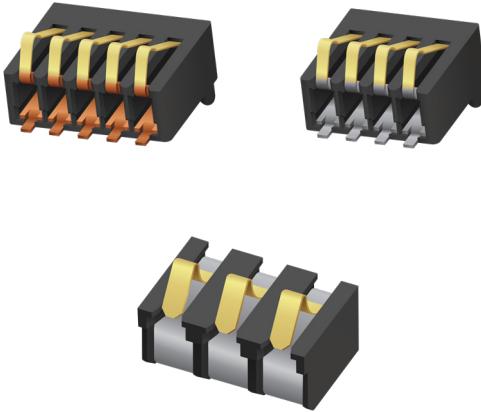


BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000



The standard battery connector is specifically designed for mobile equipment.

The connectors are available in 3, 4 and 5 contact positions all on a 2.50mm pitch. The insulator height provides a 3mm spacing, with various contact nose heights from 1.20mm to 2.60mm, to provide spacing options to the end user.

All contacts are stamped and are rated to 3A, with Gold plating. Parts are supplied in tape and reel for automatic pick and place. Optional retaining brackets are available to provide greater strength when connected to the PCB.

Whatever your requirements, the 9155 series Battery Connector can also be customized to suit your applications.

APPLICATIONS

- Mobile Phones
- PDA
- Medical
- PMR
- Industrial

FEATURES AND BENEFITS

- Suitable for 5000 mechanical cycles.
- Variety of contact heights offered to suit different mechanical designs.
- Connectors can be end to end stackable.
- RoHS Compliant available.

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-0
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles



HOW TO ORDER

STANDARD

00	9155	00X
Prefix	Series	
00 = Standard		
58 = Special		

00	X
Standard Battery Connector	
00 = Standard Force	

01	X
Bracket	
01 = With Bracket	

REDUCED NOSE

00	9155	00X
Prefix	Series	
00 = Standard		
58 = Special		

05	X
Standard Battery Connector	
05 = Reduced Nose	

01	X
Bracket	
01 = With Bracket	



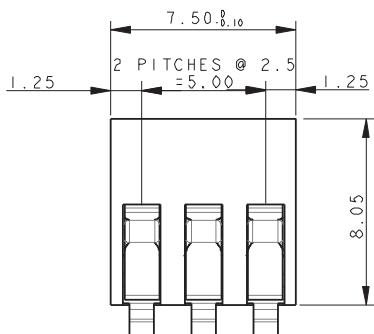
The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer by reference and should be reviewed in full before placing any order.

BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

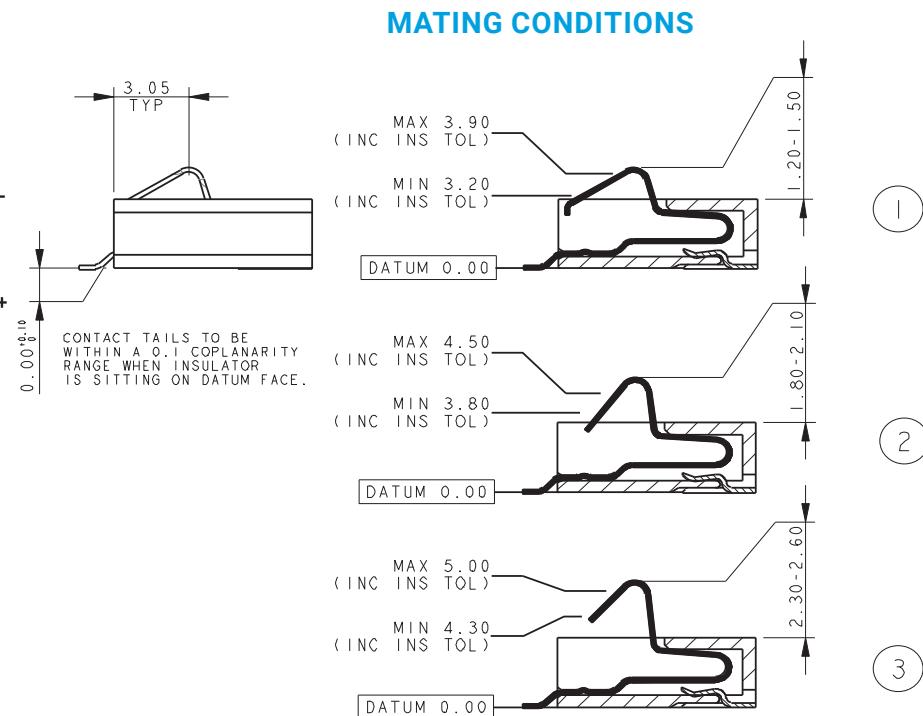
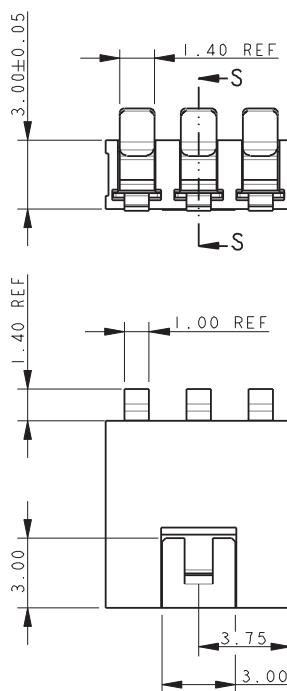


3 WAY BATTERY CONNECTOR

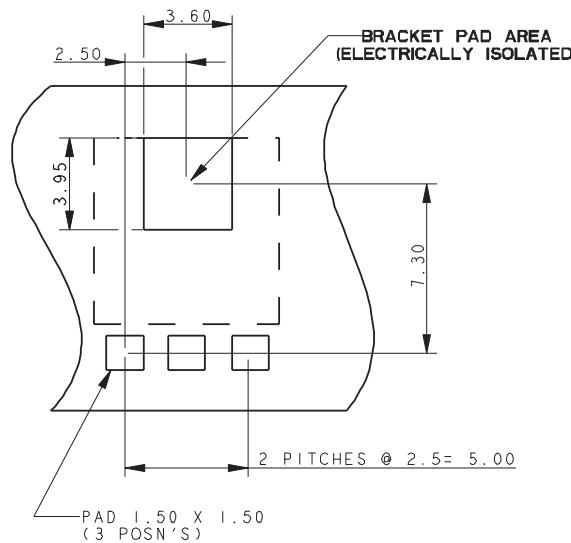


NOTES:

1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ± 0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 6.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-O. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

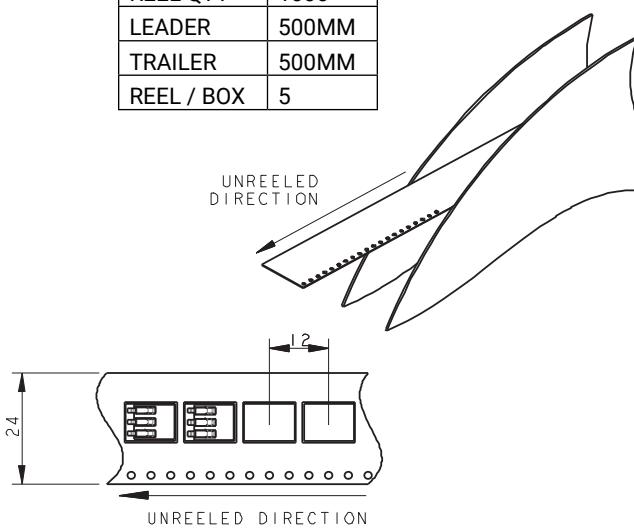


PCB BOARD LAYOUT



PACKING DETAILS

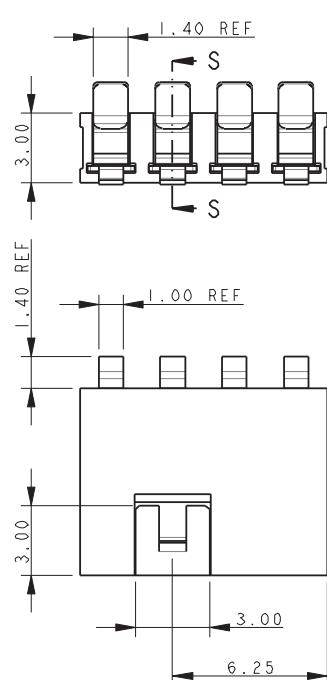
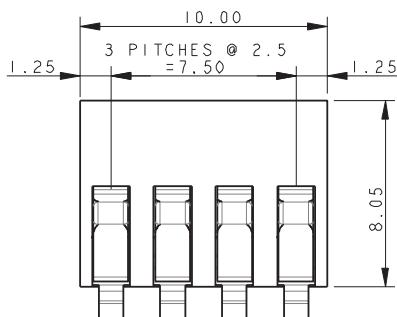
REEL QTY	1000
LEADER	500MM
TRAILER	500MM
REEL / BOX	5



BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

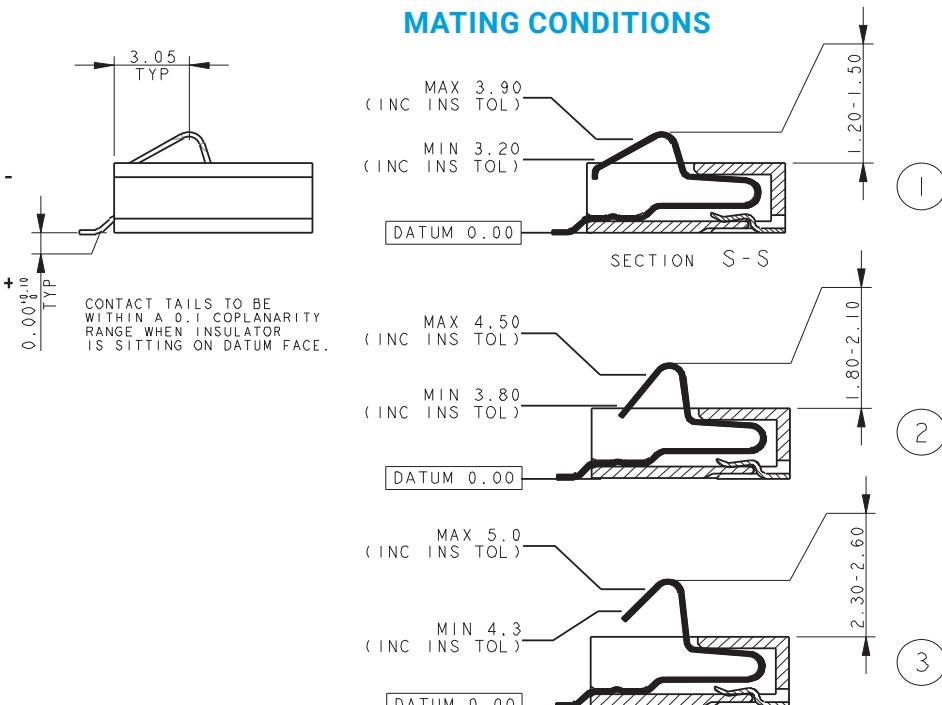
4 WAY BATTERY CONNECTOR



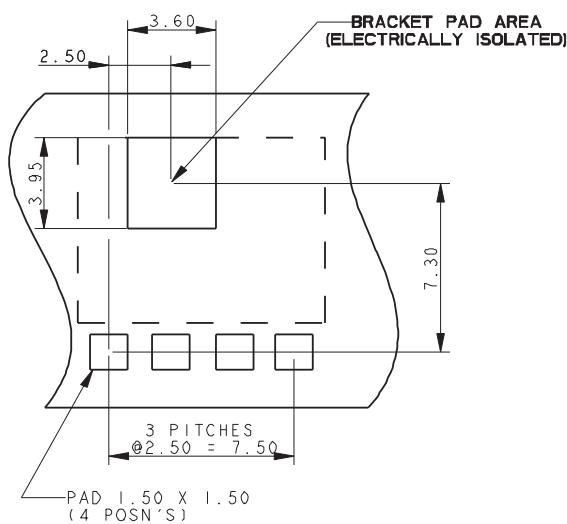
NOTES:

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6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

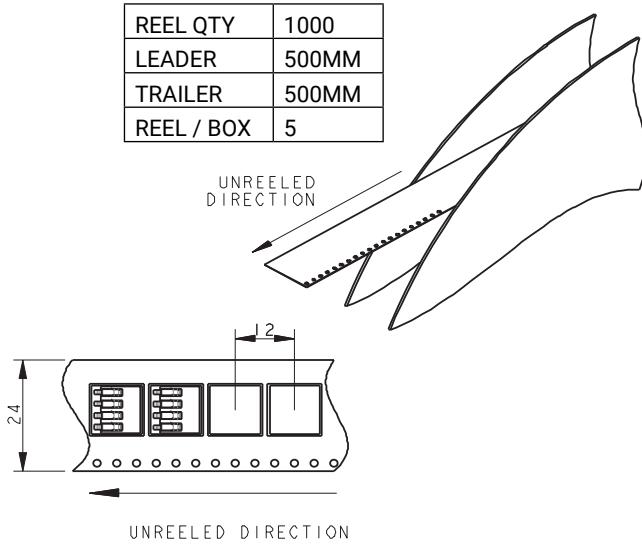


PCB BOARD LAYOUT



PACKING DETAILS

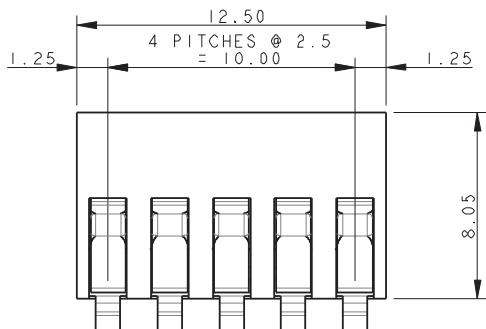
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LEADER	500MM
TRAILER	500MM
REEL / BOX	5



BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

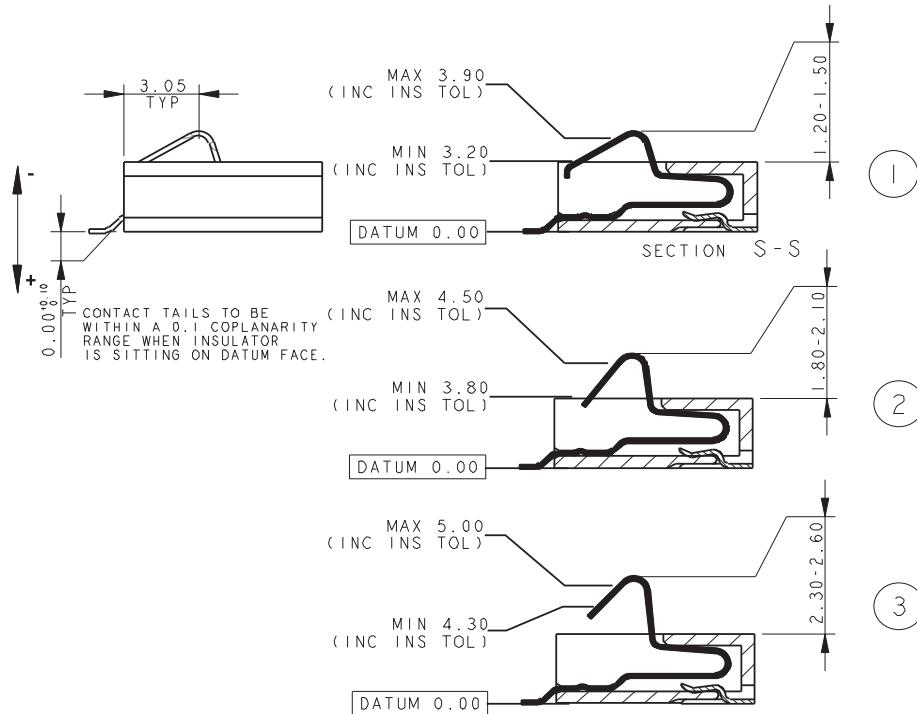
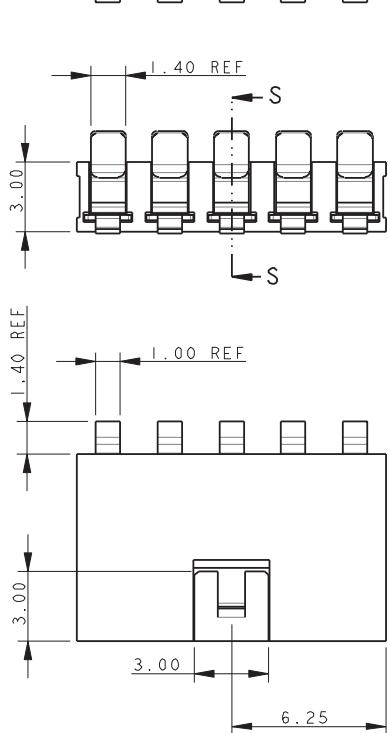
5 WAY BATTERY CONNECTOR



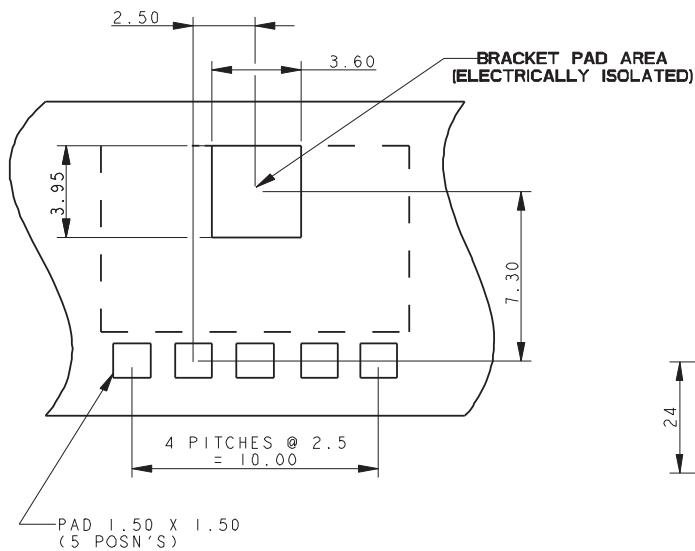
NOTES:

1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
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3. FOR MATING PAD DETAILS REFER TO PAGE 6.
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6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

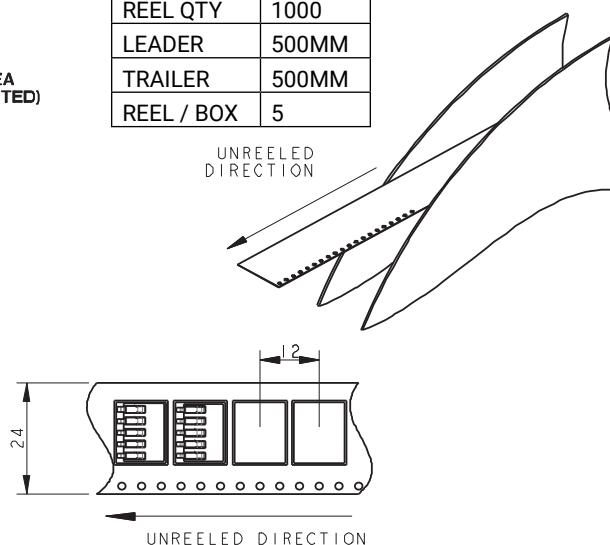


PCB BOARD LAYOUT



PACKING DETAILS

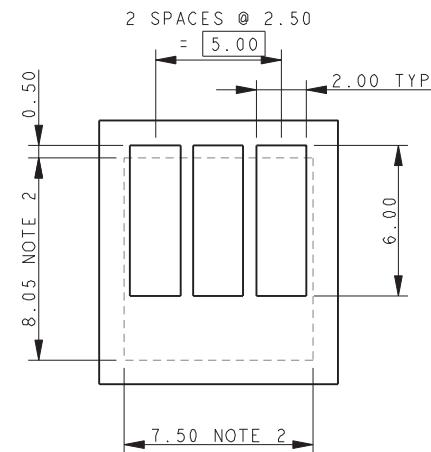
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TRAILER	500MM
REEL / BOX	5



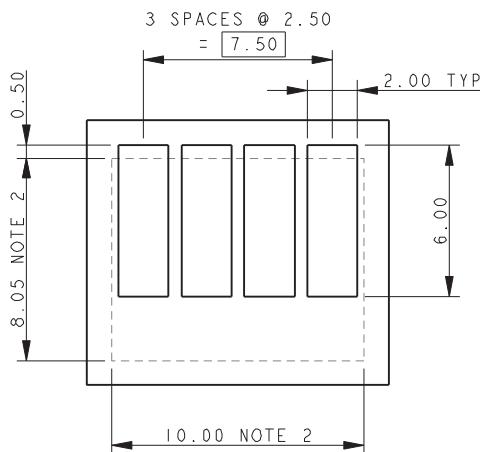
BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

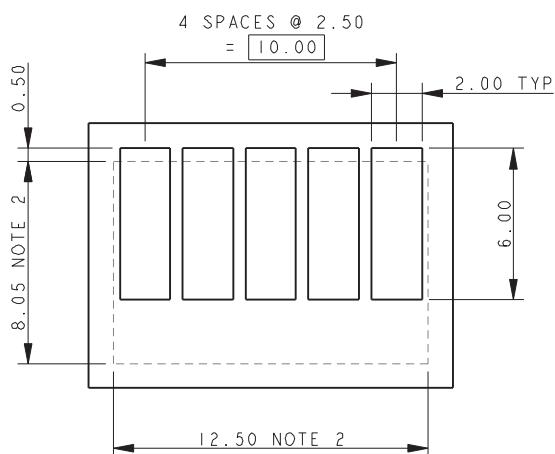
STANDARD BATTERY – MATING PADS



3 WAY MATING PADS



4 WAY MATING PADS



5 WAY MATING PADS

NOTES:

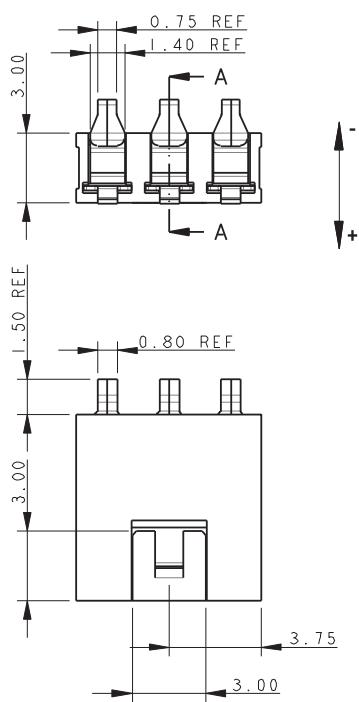
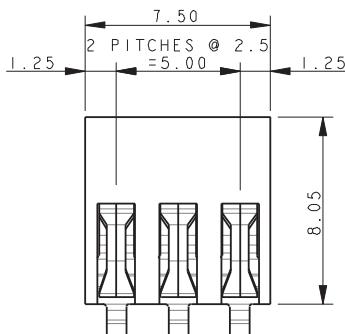
1. SUGGESTED MATING PADS FOR STANDARD BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERRED PLATING ON PADS GOLD OVER NICKEL.
4. PAD LENGTH MAY REQUIRE ADJUSTMENT OF MATCH THE CUSTOMERS ASSEMBLY.
5. REFERENCE DIMENSIONS.

BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000



3 WAY BATTERY CONNECTOR REDUCED NOSE

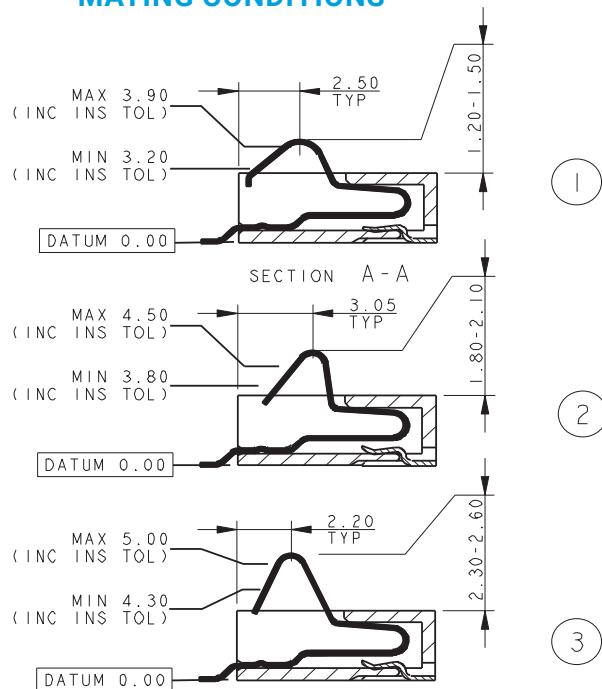


CONTACT TAILS TO BE
WITHIN A 0.1 COPLANARITY
RANGE WHEN INSULATOR
IS SITTING ON DATUM FACE.

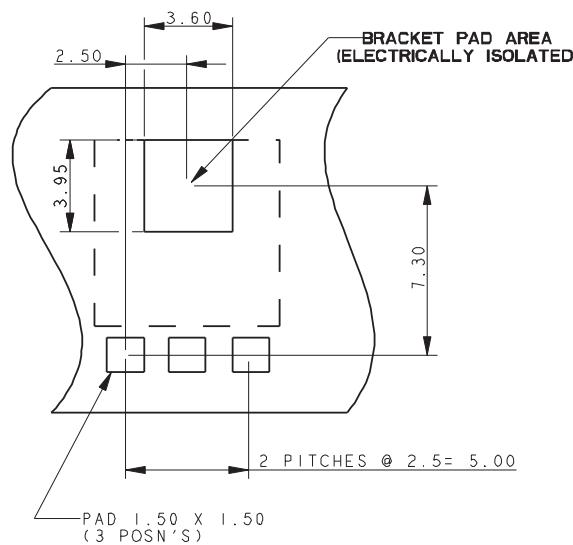
NOTES:

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MATING CONDITIONS

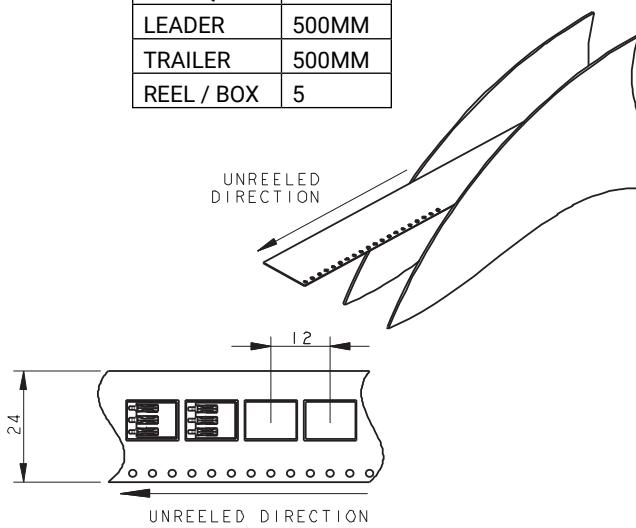


PCB BOARD LAYOUT



PACKING DETAILS

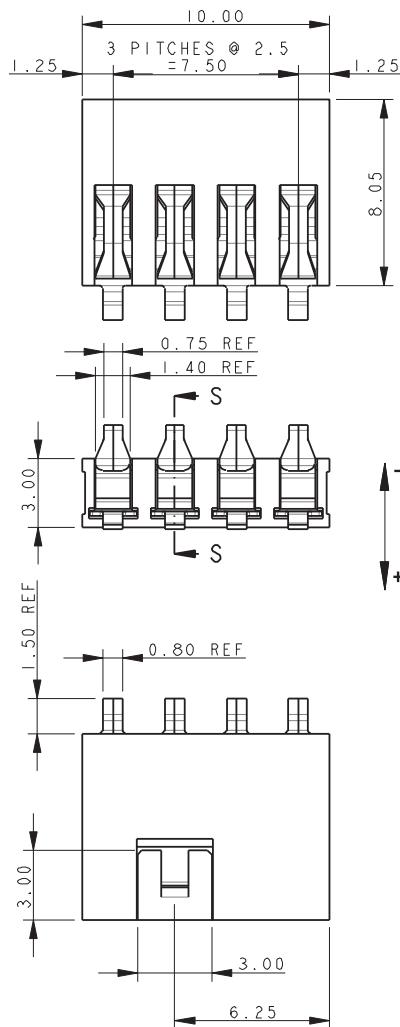
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LEADER	500MM
TRAILER	500MM
REEL / BOX	5



BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

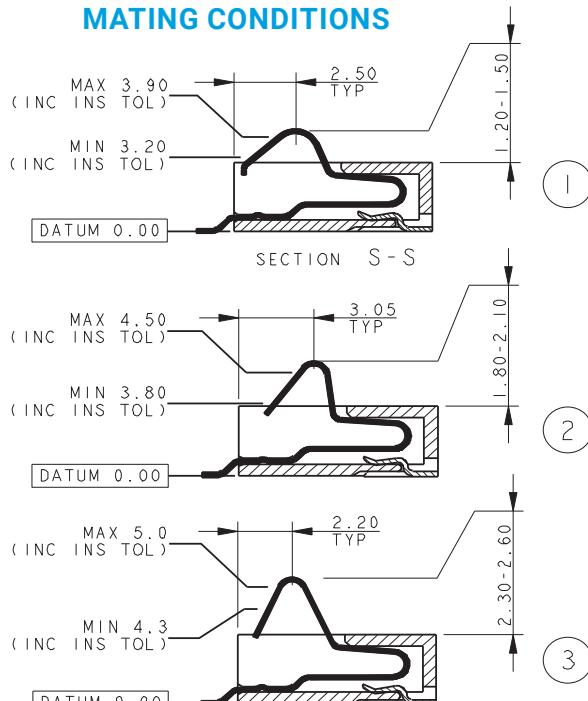
4 WAY BATTERY CONNECTOR REDUCED NOSE



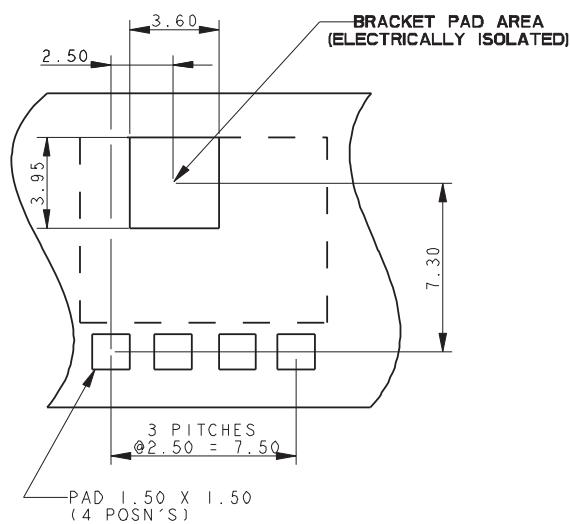
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MATING CONDITIONS

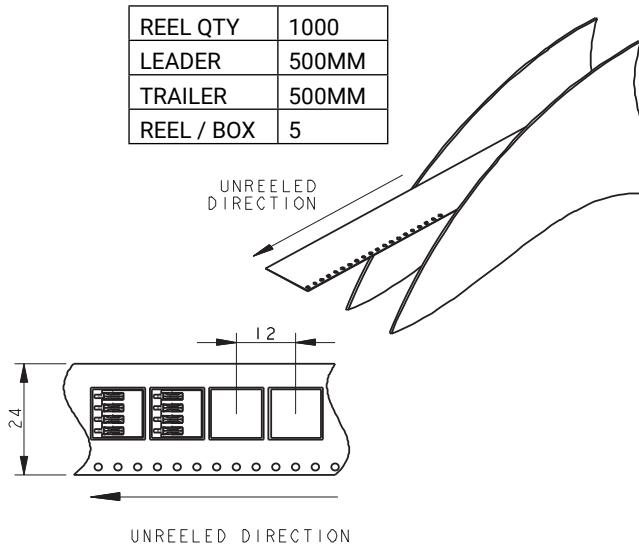


PCB BOARD LAYOUT



PACKING DETAILS

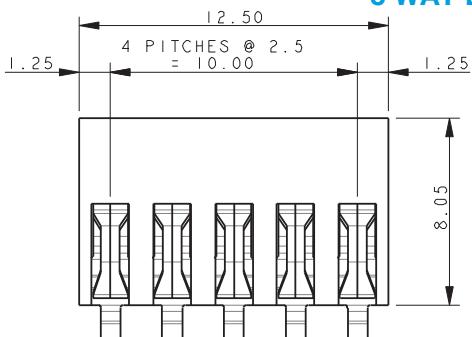
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LEADER	500MM
TRAILER	500MM
REEL / BOX	5



BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

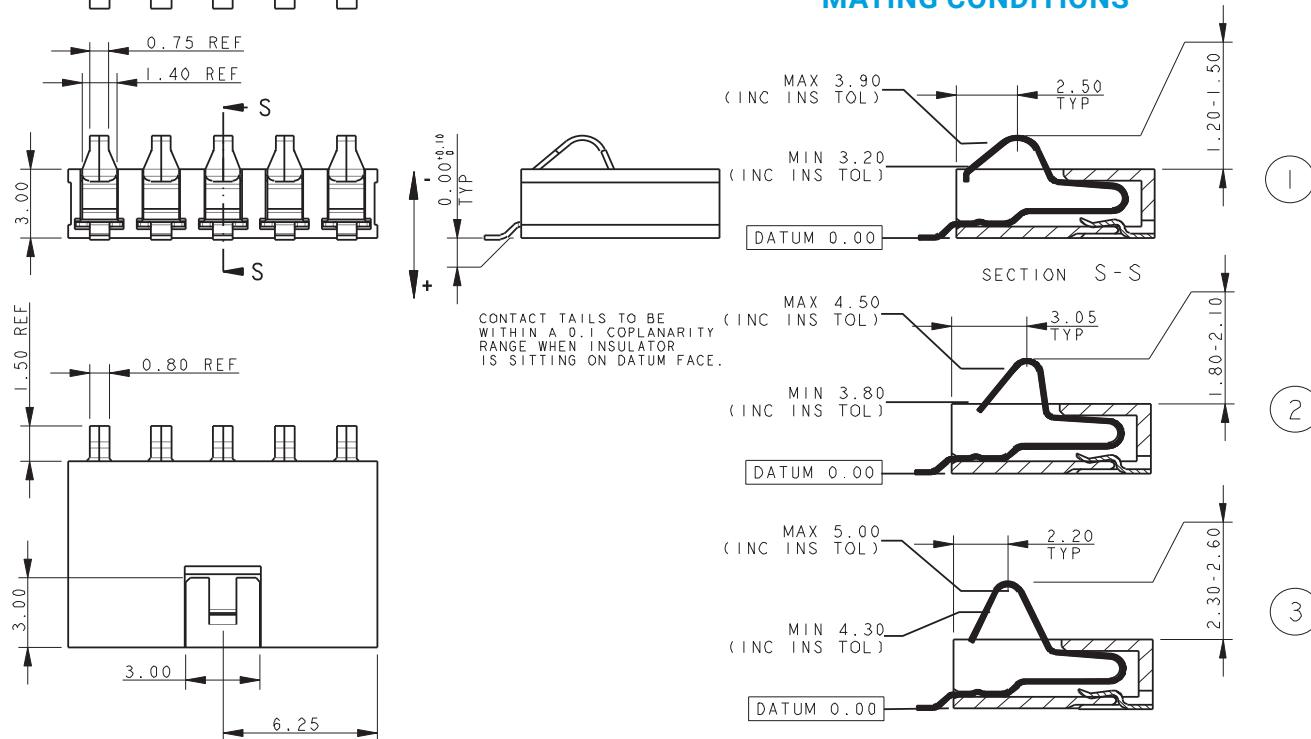
5 WAY BATTERY CONNECTOR REDUCED NOSE



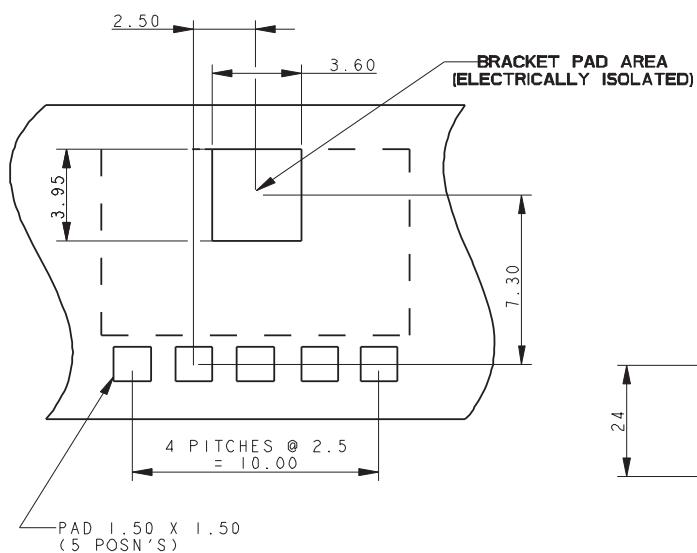
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MATING CONDITIONS

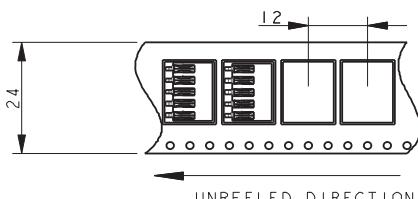
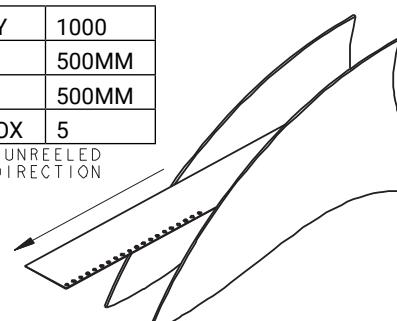


PCB BOARD LAYOUT



PACKING DETAILS

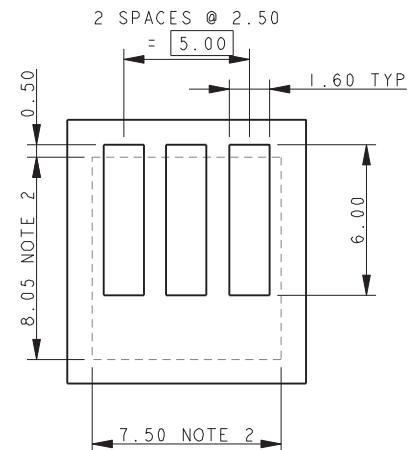
REEL QTY	1000
LEADER	500MM
TRAILER	500MM
REEL / BOX	5



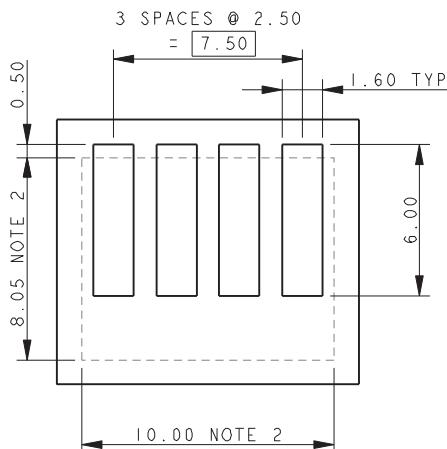
BATTERY CONNECTORS

Standard 2.5mm Pitch 9155-000

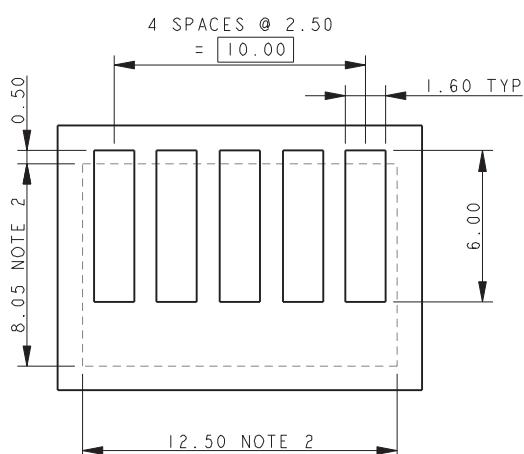
STANDARD BATTERY – MATING PADS



3 WAY MATING PADS



4 WAY MATING PADS



5 WAY MATING PADS

NOTES:

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5. REFERENCE DIMENSIONS.

Mouser Electronics

Authorized Distributor

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KYOCERA AVX:

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[009155003001016](#) [009155003002016](#) [009155004001016](#) [009155004002016](#) [009155005001016](#) [00-9155-005-001-011](#)
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