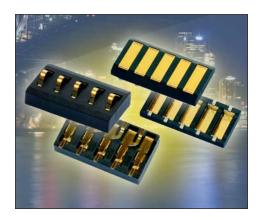
Two-Piece 4.0mm Pitch Battery 9155-400





This unique battery or removable module style connector is different from most others in that it allows for the pluggable device to be swiped or connected from either direction. The spring contact offers enhanced contact deflection range over existing connectors in the market with a full 1.4mm of travel after contact engagement. This contact design allows the connector to absorb more of the plastic or housing tolerances making it more functional and reliable in real life applications.

The fixed pad connector is unique in the industry as a replaces the plating of gold directly onto PCB pads. The main benefit of using this connector is to elevate the pad surface well above the PCB so that the gold contacts are close to flush with the outside packaging. This minimizes the distance that a spring contact would need to absorb in the mating tolerance band. Also unique to this connector is the angled contact lead-in on both sides which facilitates smooth engagement of the spring contact from either direction.

APPLICATIONS

- Portable electronics requiring a removable battery
- Interface for removable/pluggable modules or cartridges
- Docking cradle for charging and data transfer

FEATURES AND BENEFITS

- Proven contact reliability in harsh industrial or medical applications
- Increased contact deflection range above existing connectors on the market
- Gold plated Beryllium contact spring contact assures maximum contact reliability and functionality up to 5000 cycles
- Beveled lead in on pad connector facilitates smooth module engagement from either direction

ELECTRICAL

- Current Rating: 5A/contact
- Voltage Rating: 125 VAC

ENVIRONMENTAL

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

MECHANICAL

- Contact Material: Spring contact is Be Cu, Fixed contact is Phosphor Bronze
- Contact Plating: Gold over nickel mating area, pure Tin SMT tails
- Durability 5000 Cycles

HOW TO ORDER

| 00 | 9155 | 005 | |
|--------|--------|----------------|--|
| T | | | |
| Prefix | Series | Number of Ways | |
| | | 002 = 2 | |
| | | 003 = 3 | |
| | | 004 = 4 | |
| | | 005 = 5 | |

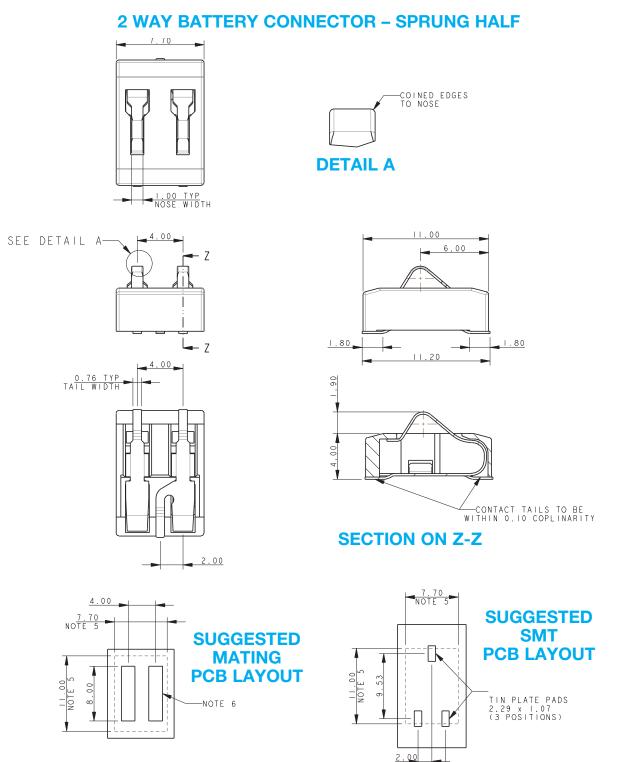
006 = 6

| 40X Standard Battery Connector | | | | |
|-----------------------------------|---------------------------------|------|--|--|
| | | | | |
| 401 | Battery Connector - Sprung Half | 550 | | |
| 402 | Battery Connector - Fixed Half | 1100 | | |

.....







NOTES:

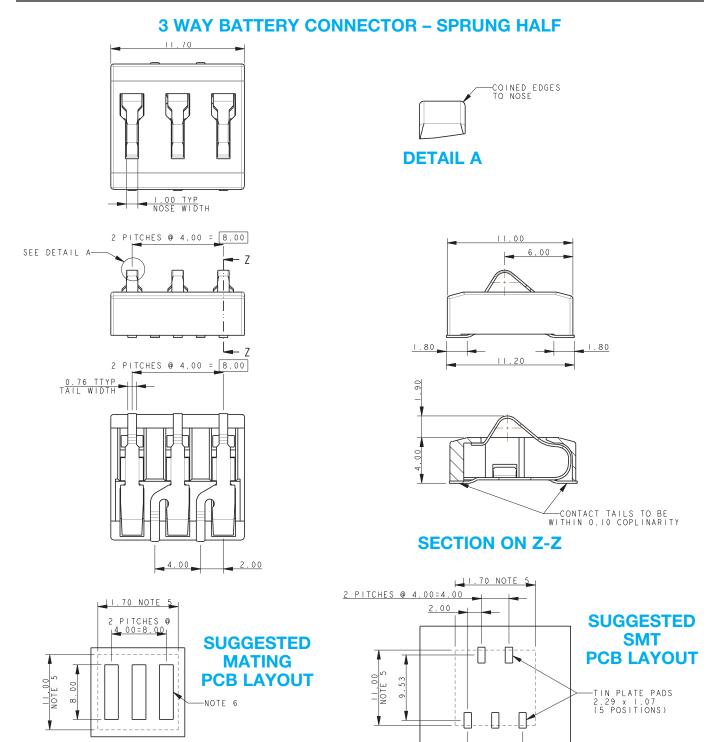
- 1. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
- 2. FOR FURTHER DETAILS REFER TO AVX SPECIFICATION 201-01-207.
- 3. |ADDITIONAL INFORMATION AND BASIC MATING DETAILS REFER TO PAGES 12-14.
- 4. PACKING DETAILS ON PAGE 15.
- 5. CONNECTOR OUTLINE.
- 6. RECOMMENDED PLATING ON MATING PADS. GOLD OVER NICKEL.

7. FOR OTHER TAN VERTICAL MATING WE RECOMMEND MATING WITH THE FIXED CONNECTOR, REFER TO PAGE 13.

KUDEERA 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.

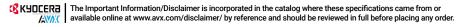
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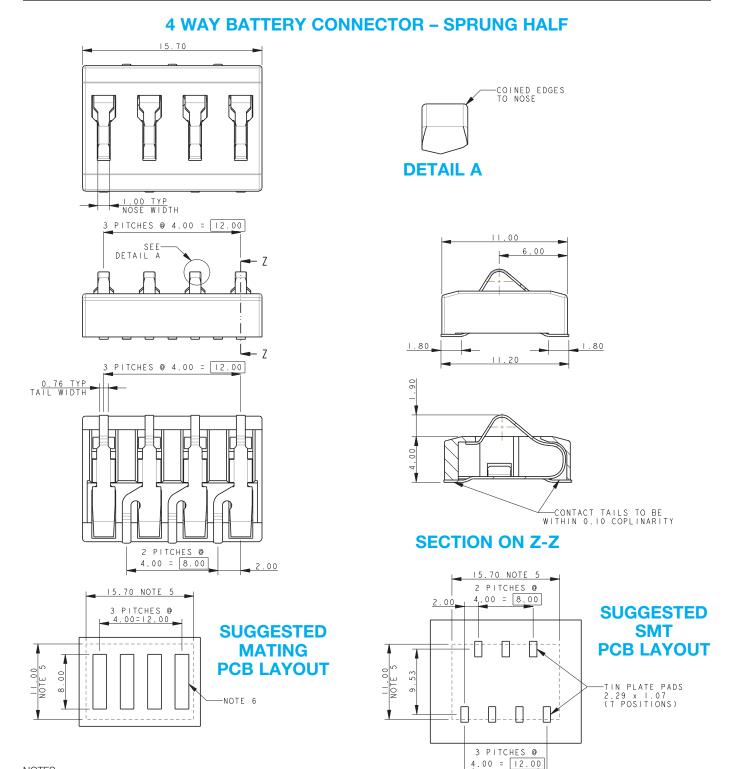
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8.00



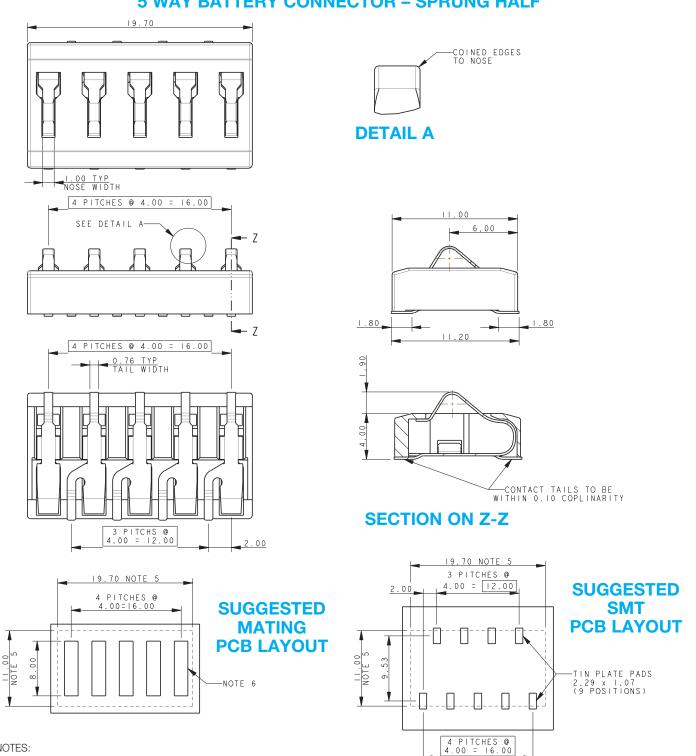


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KUCCERA available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.





5 WAY BATTERY CONNECTOR – SPRUNG HALF

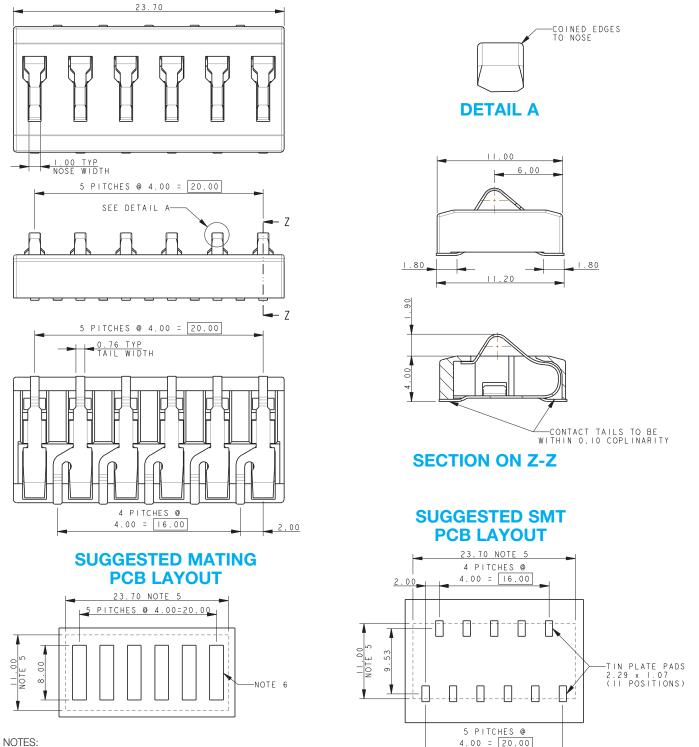
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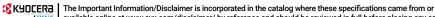
Two-Piece 4.0mm Pitch Battery 9155-400



6 WAY BATTERY CONNECTOR – SPRUNG HALF

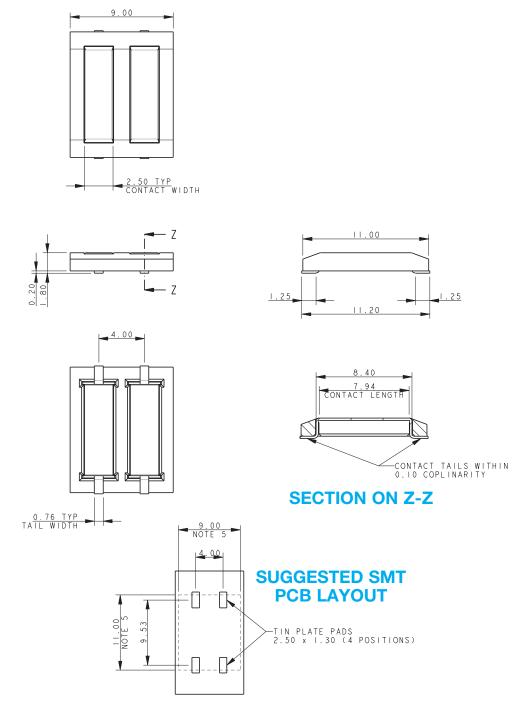


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- 3. [ADDITIONAL INFORMATION AND BASIC MATING DETAILS REFER TO PAGES 12-14.
- 4. PACKING DETAILS ON PAGE 15.
- 5. CONNECTOR OUTLINE.
- 6. RECOMMENDED PLATING ON MATING PADS. GOLD OVER NICKEL.
- 7. FOR OTHER TAN VERTICAL MATING WE RECOMMEND MATING WITH THE FIXED CONNECTOR, REFER TO PAGE 13.



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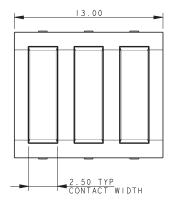


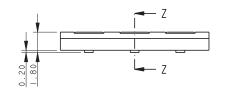


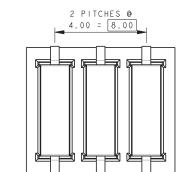
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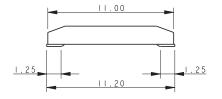
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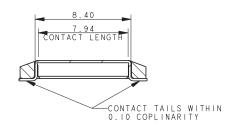












SECTION ON Z-Z

TAIL WIDTH

NOTES:

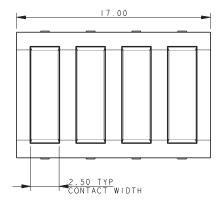
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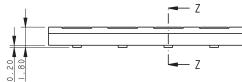


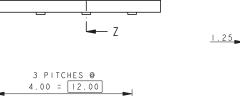
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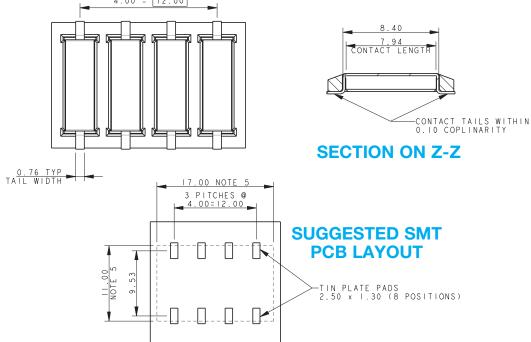
. 20

1.25





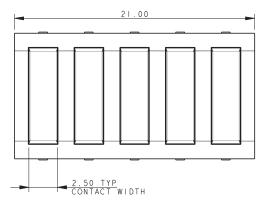


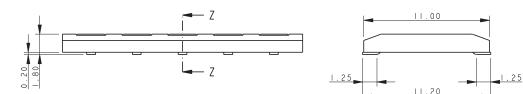


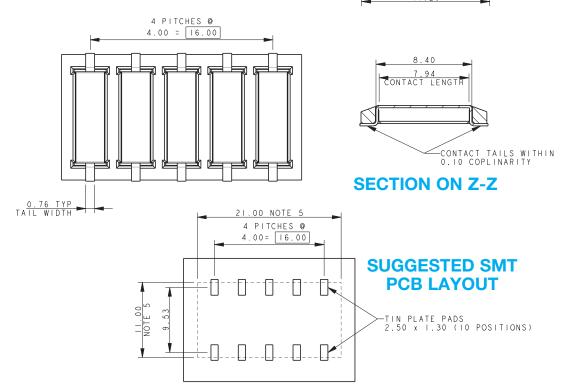
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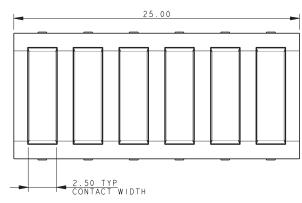


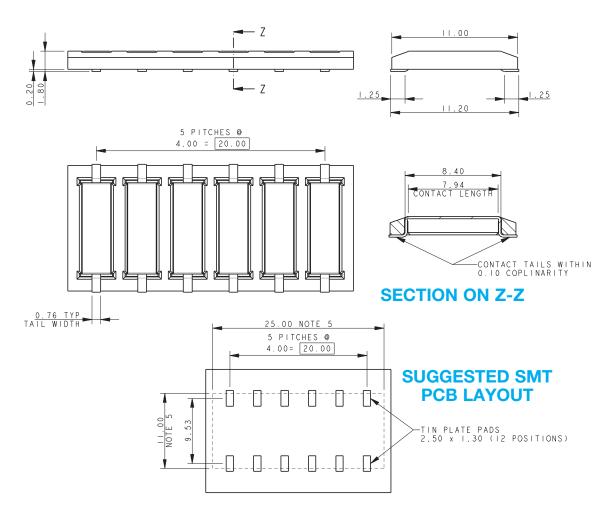












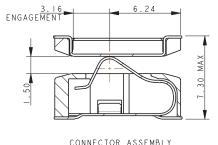
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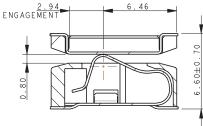
Two-Piece 4.0mm Pitch Battery 9155-400



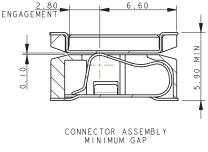
BATTERY CONNECTOR - MATING DETAILS SPRUNG HALF MATED WITH FIXED HALF



CONNECTOR ASSEMBLY MAXIMUM GAP PROJECTED CONTACT FORCE 0.67N

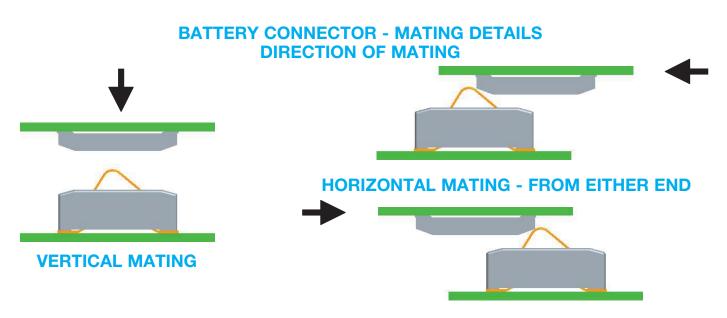


CONNECTOR ASSEMBLY NOMINAL GAP PROJECTED CONTACT FORCE 1.23N

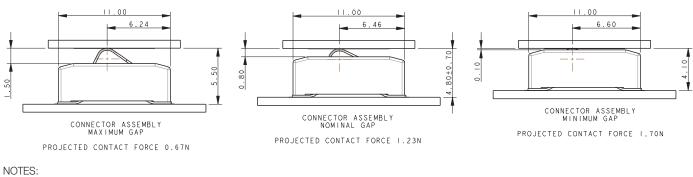


PROJECTED CONTACT FORCE 1.70N

- NOTES:
- 1. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
- 2. INSULATION MATERIAL: LCP, GLASS FILLED, UL94 V-0, COLOR BLACK.
- 3. CONTACT MATERIAL SPRUNG HALF: BERYLLIUM COPPER.
- 4. CONTACT MATERIAL FIXED HALF: PHOSPHOR BRONZE.
- 5. CONTACT PLATING: GOLD OVER NICKEL, PURE TIN TAILS.
- 6. DURABILITY 5000 OPERATIONS.
- 7. CURRENT RATING 5A.
- 8. CONTACT RESISTANCE 25mΩ MAX.



BATTERY CONNECTOR - MATING DETAILS SPRUNG HALF MATED WITH PCB

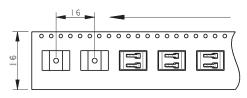


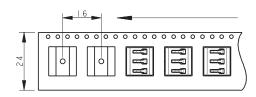
- 1. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
- 2. SPRUNG HALF MATED WITH GOLD PLATED PAD ON PCB
- 3. VERTICAL MATING ONLY



BI-DIRECTIONAL BATTERY CONNECTOR - PACKING DETAILS

PACKING DETAILS SPRUNG CONNECTOR





PACKING DETAILS FIXED CONNECTOR

