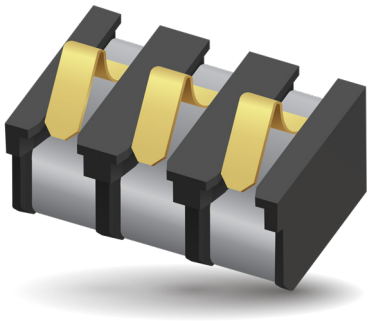
BATTERY CONNECTORS

Reduced 2.5mm Pitch 9155-250



GENERAL DESCRIPTION

KYOCERA AVX Interconnect extends their range of board-to-board reduced battery connectors. This new version 9155-250 has a nominal working height of 4.5mm compared with the existing 9155-200 which has a nominal working height of 3mm. These connectors are rated at a full 3 Amps per contact on 2.5mm centers. This series includes 2 through 5 position connectors that are end to end stackable.

The complete family of connectors 9155 series from KYOCERA AVX offer all the same advantages: Ultra reliable and robust gold plated beryllium copper contacts provide high integrity connections in harsh environments, with 5000 mating operations, high temperature nylon plastic for RoHS soldering. Additionally, 9155-250 is made from halogen free nylon.

APPLICATIONS

- Handheld/portable devices requiring docking or cradle charging
- Patient monitoring or portable medical electronics
- Industrial devices requiring pluggable or programming modules
- Internet appliances requiring battery back-up

FEATURES AND BENEFITS

- Insulator height 3.6mm
- Gold plated BeCu contacts provide high electrical and mechanical performance over 5000 mating cycles
- Halogen free high temperature nylon plastic, UL94V-0 rated
- End-to-end stackable

ELECTRICAL

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

RoHS COMPLIANT

ENVIRONMENTAL

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

MECHANICAL

- Insulator Material: High Temperature Halogen Free Plastic to UL94V-0 rated
- Contact Material: Beryllium Copper
- Plating: Gold on Nose, Pure Tin SMT terminations over base Nickel
- Durability: 5000 Cycles

HOW TO ORDER

00	9155	00X	251	00X
Prefix	Series	No. of Ways	Reduced Size Battery Connector	Plating Option

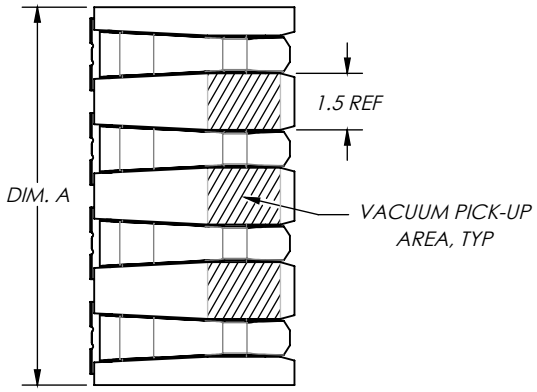
No. of Ways
2 = 002
3 = 003
4 = 004
5 = 005

Reduced Size Battery Connector

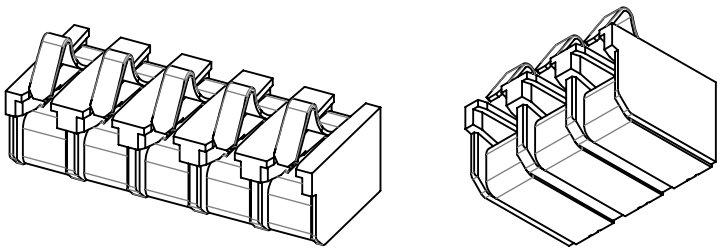
Code	Description
251	Reduced 2.5mm Slze Battery Connector

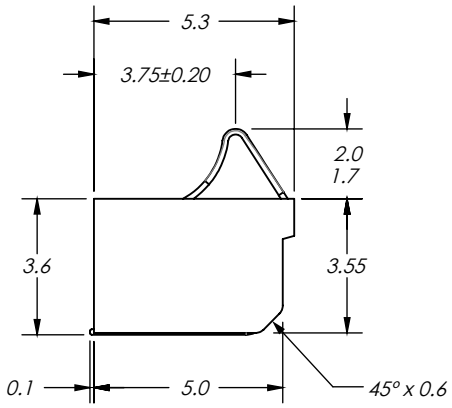
Plating Option

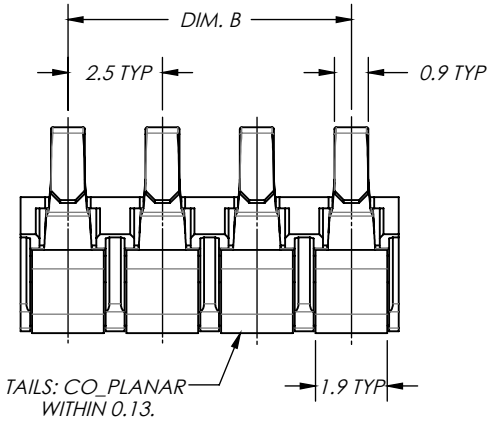
Code	Description
006	0.4µm Selective Gold, Standard

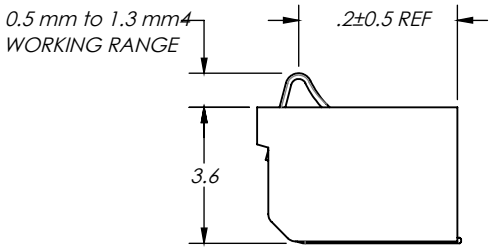


3 AND 5 POSITION PARTS









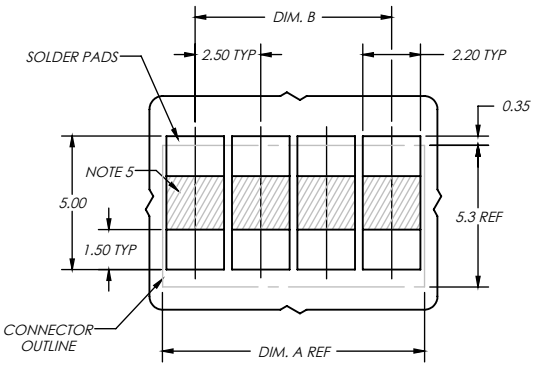
PART AS DEFLECTED

Part Number	Positions	DIM. A	DIM. B	Tape Width
00-9155-002-251-006	2	5.00	2.50	16.0
00-9155-003-251-006	3	7.50	5.00	16.0
00-9155-004-251-006	4	10.00	7.50	24.0
00-9155-005-251-006	5	12.50	10.00	24.0

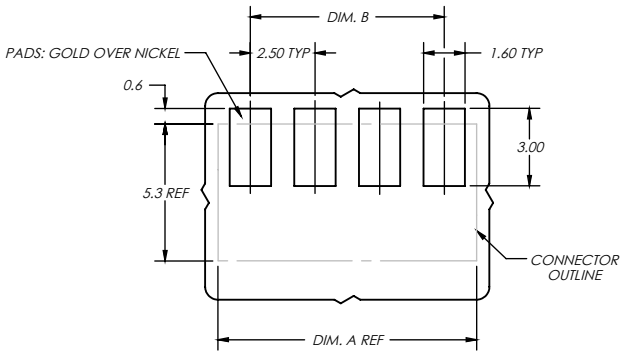
NOTES:

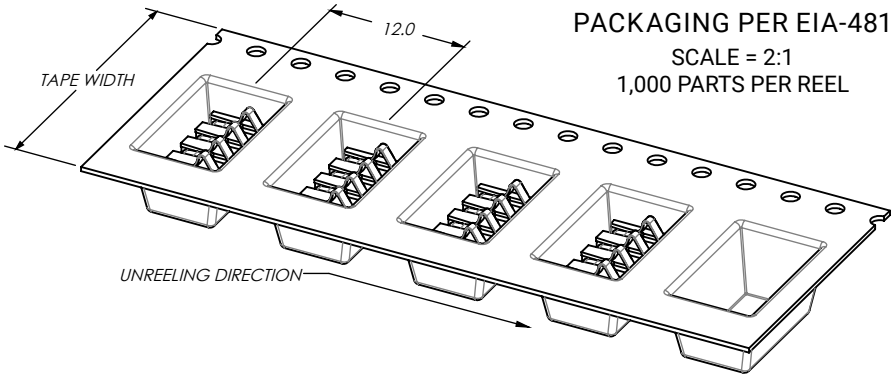
1. FOR MORE DETAILED INFORMATION, SEE KYOCERA AVX PRODUCT SPECIFICATION #201-01-093.
2. HOUSING MATERIAL: GLASS-FILLED STANYL 4T; FLAME RETARDANT PER UL94V-0; HALOGEN FREE, COLOR: BLACK.
3. CONTACT MATERIAL: BERYLLIUM-COPPER.
4. CONTACT PLATING: NICKEL UNDERPLATE ALL OVER; 0.4 µ-m MIN. GOLD IN CONTACT AREA; LEAD-FREE TIN ON TAILS.
5. 2.20 x 5.00 SOLDER PADS MAY BE CONTINUOUS, OR THE SHADED PORTION MAY BE REMOVED--AT CUSTOMER'S DISCRETION.

RECOMMENDED LAYOUT
SOLDER SIDE PCB



RECOMMENDED LAYOUT
MATING SIDE PCB





PACKAGING PER EIA-481
SCALE = 2:1
1,000 PARTS PER REEL

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