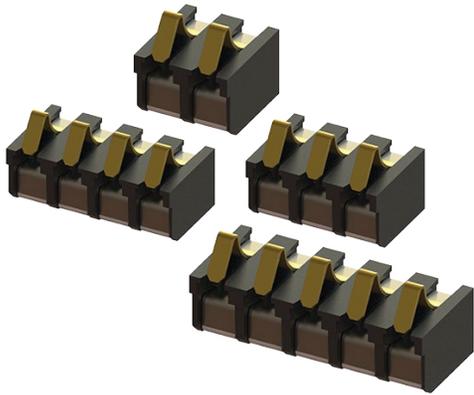


# REDUCED 2.5MM PITCH: 9155-250

## General Information



KYOCERA AVX Interconnect has extended its range of reduced battery board-to-board connectors. The new version, 9155-250, has a nominal working height of 4.5 mm, compared to the existing version, 9155-200, which has a nominal working height of 3 mm. These connectors are rated at 3 amps per contact on 2.5-millimeter centers. The 9155 series includes two through five position connectors that are end-to-end stackable.

The complete 9155 series of connectors from KYOCERA AVX offers the same advantages. Ultra-reliable, robust, gold-plated beryllium-copper contacts provide high-integrity connections in harsh environments with 5,000 mating operations and high-temperature nylon plastic for RoHS soldering. Additionally, the 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
- Product Specification: Refer to 201-01-093

### 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 Amps / Contact
- Voltage Rating: 125 VAC (RMS) or DC equivalent

### ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +70°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

### HOW TO ORDER

|           |             |             |
|-----------|-------------|-------------|
| <b>00</b> | <b>9155</b> | <b>00X</b>  |
| Prefix    | Series      | No. of Ways |
|           |             | 2 = 002     |
|           |             | 3 = 003     |
|           |             | 4 = 004     |
|           |             | 5 = 005     |

| <b>251</b>  |                                      |             |     |                                      |
|---|--------------------------------------|-------------|-----|--------------------------------------|
| Reduced Size Battery Connector  |                                      |             |     |                                      |
| <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>251</td> <td>Reduced 2.5mm Size Battery Connector</td> </tr> </tbody> </table> | Code                                 | Description | 251 | Reduced 2.5mm Size Battery Connector |
| Code  | Description                          |             |     |                                      |
| 251   | Reduced 2.5mm Size Battery Connector |             |     |                                      |

| <b>00X</b>  |                                |             |     |                                |
|---|--------------------------------|-------------|-----|--------------------------------|
| Plating Option  |                                |             |     |                                |
| <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>006</td> <td>0.4µm Selective Gold, Standard</td> </tr> </tbody> </table> | Code                           | Description | 006 | 0.4µm Selective Gold, Standard |
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