



# 2.0MM PITCH VERTICAL MATE BATTERY CONNECTOR

## 9155-800 SERIES



[Click Here to View the 9155-800 Series Datasheet](#)

### BASIC OVERVIEW

The 2.0mm pitch, vertical mate 9155-800 series eliminates end user damage when pluggable modules or packs are pressed down vertically into a base unit. Traditional right-angle connectors have contact geometries that rely on the pack being inserted at an angle and then rotated down into position. The unique contact design of this connector deflects cleanly and easily when a module or mating connector is pushed vertically into position, eliminating any end user damage.

The 9155-800 series is rated up to 5,000 mating cycles and has a contact nose with an anti-snag feature to protect during deflection.

### 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

### GENERAL CHARACTERISTICS

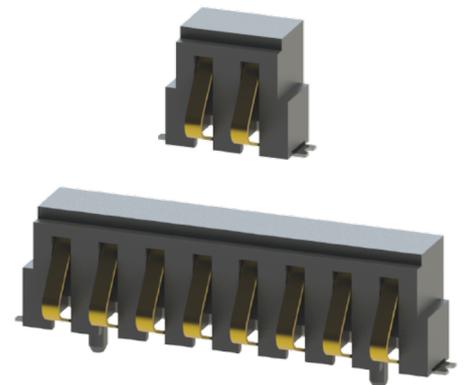
The complete 9155 family of battery connectors from KYOCERA AVX offer all the same advantages: Ultra reliable and robust gold-plated beryllium copper contacts that provide high integrity connections in harsh environments, with up to 15000 mating operations. Parts are supplied in tape and reel for automatic pick and place. Whatever your requirements, the 9155 series battery connector can be customized to suit your applications.

### KEY SPECIFICATIONS

- Sizes: 2 to 8 positions
- Electrical: Voltage: 125 VAC or DC Equivalent  
Current: 2 Amp / Contact (2 - 4 pos)  
1.5 Amp / Contact (5 - 8 pos)
- Insulator: Glass filled Nylon 46, UL94V-0
- Contact: Gold plated beryllium copper
- Durability: 5000 cycles
- Environmental: Operating Temperature: -40°C to +125°C

### TOP SELLING POINTS / CHARACTERISTICS

- 9155-800 is the first in a planned series to offer full vertical mating to simplify module engagement for the end user while eliminating any damage to the contacts.
- The combination of plastic location bosses and end launch SMT anchor tabs maximizes the mechanical stability of the connector on the PCB even during high shock and vibration applications.
- The nose of the contact is retained within the insulator to prevent any damage in the static position or during mating deflection.





[Click Here to View the 9155-800 Series Datasheet](#)

## KYOCERA AVX ADVANTAGE VS. COMPETITOR PRODUCT

Advantages :

- KYOCERA AVX always uses Beryllium Copper as the base material as it is the most durable and reliable over the cycle life of a product. Customers often see field failures with lower grade metals.
- KYOCERA AVX has been producing battery connectors for 25 years and offer the broadest standard range.
- KYOCERA AVX designs each contact based on the forces and deflection required to meet application needs.

## HOW TO ORDER

00

Prefix

9155

Series

00X

No. of Ways

Code	No of Ways	Packing QTY
002	2	1000
003	3	1000
004	4	1000
005	5	1000
006	6	1000
007	7	1000
008	8	1000

8XX

Standard Battery  
Connector Right Angle  
Pitch 2.0mm  
852 = Boss: Yes  
851 = Boss: No

00X

Plating Option  
006 = 0.4µm Selective Gold, Pure Tin Tail  
(Standard)  
008 = 0.8µm Selective Gold, Pure Tin Tail



## FAQ'S

**Q: Do I still need to engage the contacts before I rotate the module or PCB into position?**

A: No, the sweeping beam on the contacts are very forgiving and will accept a full vertical mating process.

**Q: How do I know which plating option to use?**

A: Most commercial and industrial application will use the lower gold with no issues. In harsh environmental applications the heavy gold provides more durability and wear resistance.

**Q: Can I mate two of these connectors together to create a coplanar BTB stacking configuration?**

A: Yes, the connector was designed to mate with pads on a PCB or an opposing connector.



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