

# I/O CONNECTORS

## Reduced Size I/O, 16 Position: 9257-000



An I/O interconnect system designed for portable equipment.

KYOCERA AVX offers this reduced-size plug-and-socket system as a standard product. The fixed SMT socket is designed to be mounted on a PCB and housed within a portable device. The plug is designed for cable termination and offers options for single- and double-sided contacts. The overmold cover and parts can be customized, and the connector can be supplied for subcontract termination. The socket connector houses 16 contacts in two rows at a 1.25 mm pitch, with a rating of 1 amp per contact. Both connectors are RoHS compliant.

### APPLICATIONS

- Cellular Phones
- Handheld Devices
- Industrial Modules
- Medical Electronics
- Product Specification: Refer to 201-01-089

### FEATURES AND BENEFITS

- No latching is required due to the click design of the contacts.
- Optional customization of the overmold cover.
- Compact size to optimize PCB real estate.
- Metal outer cover provides integrated PCB location and solder tab.
- Positive alignment and orientation of the plug and socket.
- 5K mating cycles and 1 amp rated.

### ELECTRICAL

- Current Rating: 1 Amp / Contact
- Voltage Rating: 125 VAC (RMS) or DC equivalent

### ENVIRONMENTAL

- Operating Temperature: -55°C to +85°C
- Storage Temperature: -40°C to +70°C

### MECHANICAL

- Insulator Material: Nylon 46; UL94 V-0
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5,000 Cycles

### HOW TO ORDER

#### Plug Options – Example

<b>10</b>	<b>9257</b>	<b>0XX</b>	<b>001</b>	<b>003</b>
Prefix	Series	No of Ways	Contact	Plating Option
10 = Plug		016 = 16 Way	001 = Solder Bucket	003 = 0.8µm Selective Gold, Pure Tin Tail

**PACKING**  
Parts packed in tubes  
50 per tube



#### Socket Options – Example

<b>20</b>	<b>9257</b>	<b>016</b>	<b>001</b>	<b>01</b>	<b>3</b>
Prefix	Series	No of Ways	Contact	Solder Bracket	Plating Option
20 = Socket		016 = 16	001 = SMT Termination	01 = Solder Bracket with Location Pegs	3 = 0.8µm Selective Gold, Tin Tail

