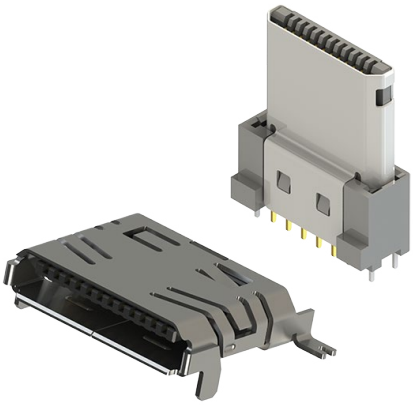
I/O CONNECTORS

Mini I/O, 12 Position: 9257-100



KYOCERA AVX offers the 12 way mini I/O connector 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 with options of single and double sided contacts. Parts can be supplied as connectors only for sub contract termination, or with a custom overmold cover. The socket connector houses 12 contacts in a single row on 0.50mm pitch.

APPLICATIONS

- Medical Electronics
- Cellular Phones
- Industrial Modules
- Hand Held Devices
- Product Specification: Refer to 201-01-116

FEATURES AND BENEFITS

- No latching 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.

ELECTRICAL

- Current Rating: 0.5 Amp / Contact
- Voltage Rating: 50 VAC (RMS) or DC equivalent

ENVIRONMENTAL

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

MECHANICAL

- Insulator Material: High Temperature Plastic; UL94 V-O
- Contact Material: Phosphor Bronze (Plug) Copper Alloy (Socket)
- Plating: Gold over Nickel
- Durability: 5,000 Cycles

HOW TO ORDER

Plug Options

10	9257	012	101	006
Prefix 10 = Plug	**Series**	**No of Ways** 012 = 12 Way	**Contact** 001 = Solder Tail	**Contact Plating Option** 006 = 0.25µm Gold over Nickel

RoHS compliant

SALES DRAWINGS
CLICK TO DOWNLOAD

Socket Options – Example

20	9257	012	101	01	6
Prefix 20 = Socket	**Series**	**No of Ways** 012 = 12 Way	**Contact** 101 = SMT Termination	**Solder Bracket** 001 = Solder Bracket with Location Pegs	**Plating Option** 3 = 0.25µm Gold over Nickel

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

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