Mini I/O, 12 Position
XX-9257

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

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

ENVIRONMENTAL
- Operating Temperature: -55°C to +85°C

MECHANICAL
- Insulator Material: High Temperature Plastic; UL94 V-0
- Contact Material: Phosphor Bronze (Plug)
  Copper Alloy (Socket)
- Plating: Gold over Nickel
- Durability: 5,000 Cycles

HOW TO ORDER
Plug Options

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Series</th>
<th>No of Ways</th>
<th>Contact</th>
<th>Contact Plating Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>9257</td>
<td>012</td>
<td>101</td>
<td>006 0.25μm Gold over Nickel</td>
</tr>
</tbody>
</table>

Socket Options

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Series</th>
<th>No of Ways</th>
<th>Contact</th>
<th>Solder Bracket</th>
<th>Plating Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>9257</td>
<td>012</td>
<td>101</td>
<td>01 Solder Bracket with Location Pegs</td>
<td>3 0.25μm Gold over Nickel</td>
</tr>
</tbody>
</table>

Certification: UL File #E90723
9257 STANDARD 12 WAY MINI I/O PLUG

NOTES:
1. ALL DIMENSIONS SHOWN ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
2. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-116.
3. MATERIALS: INSULATOR: HIGH TEMP PLASTIC, UL94 V-O, COLOR BLACK.
   CONTACT: COPPER ALLOY. SHELL: STAINLESS STEEL.
4. PLATING: CONTACT: GOLD OVER NICKEL. SHELL: GOLD OVER NICKEL.
5. PACKED IN TUBES, 60 PIECES PER TUBE.

PACKING DETAILS
60 PARTS PER TUBE
SUGGESTED OVERMOULDING FOR PLUG CONNECTOR

NOTES:
DIMENSIONS MARKED WITH A * ARE VARIABLE DIMENSIONS TO SUIT CUSTOMER DESIGN AND APPLICATION
Mini I/O, 12 Position
XX-9257

9257 STANDARD 12 WAY MINI I/O SOCKET

NOTES:
1. ALL DIMENSIONS SHOWN ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
2. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-116.
3. MATERIALS: INSULATOR: HIGH TEMP PLASTIC, UL94 V-O, COLOR BLACK.
   CONTACT: COPPER ALLOY. SHELL: STAINLESS STEEL.
4. PLATING: CONTACT: GOLD OVER NICKEL. SHELL: GOLD OVER NICKEL.
5. PACKED IN TAPE AND REEL, 1200 PIECES PER REEL.