9157 I/O Connector





APPLICATIONS

Suitable applications include:

- Mobile Phones
- PDA
- Medical
- Docking/Charging for any portable device

GENERAL DESCRIPTION

The 9157 series was specifically designed for portable equipment.

AVX now offers this two-part system as a standard product. The fixed SMT socket is designed to be housed within the confined dimensional constraints of the portable device.

The plug/cover connector has sprung contacts and is designed for termination to accessory equipment. The connector is designed to house fifteen signal contacts on a 1mm pitch rated at 1.5A. There is the option to include a switching RF coax.

A cradle SMT plug connector for docking applications is also available as standard and has the option of including a SMT RF coax.

Whatever your requirements, the 9157 series can also be customized to suit your application.

KEY FEATURES AND BENEFITS

- Patented 20° angled face on the socket gives self-cleaning face when mated with plug.
- Metal Latching area integral to socket which saves PCB real estate.
- Integral to socket is a mechanical 50Ω switching coax for SMT termination.
- Single sprung plug contact design gives ten thousand mating cycles and cleaning/wiping action.
- Customer has option to terminate own RF coax using AVX custom tooling: 06-9157-7116-01-000.
- SMT plug has unique location pyramids that give positive alignment to portable device, and assist blind mating.
- RoHS Compliant.







Plug Wire with Coax

SMT Plug with Coax









SMT Plug without Coax







SUGGESTED PCB LAYOUT



SUGGESTED PCB LAYOUT



SMT Socket with Coax





SMT Socket without Coax



SMT PAD LAYOUT



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Cover Kit





HOW TO ORDER

Plug Options – Example 10 9157 015 000 006 Series **RF Coax Option Contact Type** Prefix No of 000 = No RF Coax 10 = Plug006 = Solder Wire Ways 001 = With RF Coax 007 = SMT58 = Special 15 = 015**Socket Options – Example** 9157 015 000 006 20 **RF Coax Option** Prefix **Contact Type** Series No of 20 = Socket 000 = No RF Coax006 = SMT Ways 58 = Special 15 = 015 001 = With RF Coax Cover Options – Example * Parts supplied in kit form 30 9700 00 000 9157 Prefix Series **Cover Version** Standard **Grommet Variation** 9700 = Screw/Press-fit 30 = Sub Assembly 000 = No Grommet $035 = to suit \phi 3.50$ cable 58 = Special Version $050 = \text{to suit } \phi 5.00 \text{ cable}$



Note: Application tooling to terminate coax cable 06-9157-7116-01-000.

