

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.

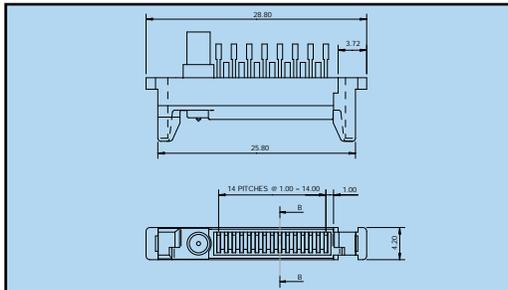
A cradle SMT plug connector for docking applications is also available as standard and has the option of including a SMT RF coax.

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

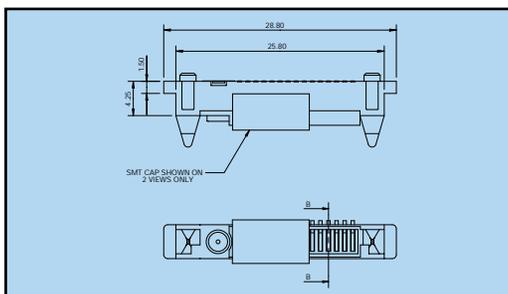


DRAWINGS

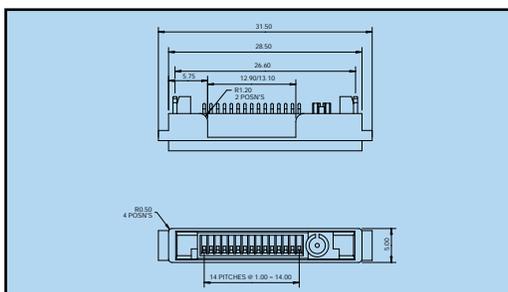
PLUG WIRE



SMT PLUG



SMT SOCKET



KEY FEATURES AND BENEFITS

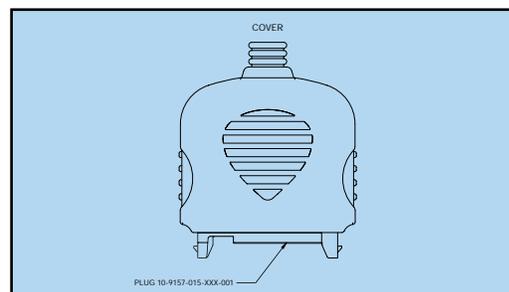
- Patented 20° angled face on the socket gives self-cleaning face when mated with plug.
- Metal Latching area integral to socket which saves PCB real estate.
- Integral to socket is a mechanical 50Ω switching coax for SMT termination.
- Single sprung plug contact design gives ten thousand mating cycles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

APPLICATION

Suitable applications include:

- Mobile phones,
- PDA,
- Medical,
- Docking/Charging for any portable device.

COVER



9157 MOBO™ I/O Connector



HOW TO ORDER

PLUG OPTIONS – example

10	9157	015	000	001
<u>PREFIX</u>	<u>SERIES</u>	<u>NO. OF WAYS</u>	<u>RF COAX OPTION</u>	<u>CONTACT TYPE</u>
10 = Plug 58 = Special		15 = 015	000 = No RF Coax 001 = With RF Coax	001 = Solder Wire 002 = SMT

SOCKET OPTIONS – example

20	9157	015	000	001
<u>PREFIX</u>	<u>SERIES</u>	<u>NO. OF WAYS</u>	<u>RF COAX OPTION</u>	<u>CONTACT TYPE</u>
20 = Socket 58 = Special		15 = 015	000 = No RF Coax 001 = With RF Coax	001 = SMT

COVER OPTIONS – example

30	9157	9700	00	000
<u>PREFIX</u>	<u>SERIES</u>	<u>COVER VERSION</u>	<u>STANDARD</u>	<u>GROMMET VARIATION</u>
30 = Sub Assembly 58 = Special		9700 = Screw / Press Fit Version 9701 = Ultrasonically Welded Version		000 = No Grommet 035 = to suit ø3.50 cable 050 = to suit ø5.00 cable

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

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**Patent: 2276285
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