I/O CONNECTORS

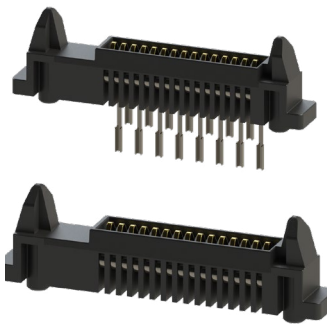## Standard I/O, 15 Position: 9157-015

KYOCERA AVX

The 9157 series was specifically designed for portable equipment.

KYOCERA 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 acces- sory 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 asstandard and has the option of including a SMT RF coax.

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

APPLICATIONS

- Mobile Phones
- PDA
- Medical
- Docking/Charging for any portable device
- Product Specification: Refer to 201-01-079

FEATURES AND BENEFITS

- Patented 20º 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 KYOCERA 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.

ELECTRICAL

- Current Rating: 1.5 Amps / Contact
- Voltage Rating: 125 VAC (RMS) or DC equivalent

ENVIRONMENTAL

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -40°C to +80°C

MECHANICAL

- Insulator Material: Glass-Filled Nylon 46; UL94 V-O
- Contact Material: Beryllium Copper (plug) Phosphor Bronze (socket)
- Plating: Gold over Nickel
- Durability: 10,000 Cycles

HOW TO ORDER

Plug Options – Example

XX	9157	015	00X		00X

Prefix
10 = Plug

Series

No of Ways
15 = 015

RF Coax Option
000 = No RF Coax
001 = With RF Coax

Contact Type

Code	Type	Contact Plating
006	Wire	Nickel, Gold Nose, Pure Tin Tail
007	SMT	Nickel, Gold Nose, Pure Tin Tail

PACKING DETAILS

Type	Qty	Description
Wire	580	Tube
SMT	300	Tape & Reel

Socket Options – Example

20	9157	015	00X	006

Prefix
20 = Socket

Series

No of Ways
15 = 015

RF Coax Option
000 = No RF Coax
001 = With RF Coax

Contact Type
006 = SMT

Cover Options – Example

30	9157	9700	00	0XX

Prefix

Series

Cover Kit Press and Screw Assembly

Code	Description	Qty
9700	Cover Side	1
	Cover Body	1
	Latch Button	2
	Metal Latch	2
	Fixing Screw	2

Standard

Grommet Variation

Code	Description	Qty
000	No Grommet	NA
035	3.5mm Grommet	1
050	5.0mm Grommet	1

PACKING DETAILS
Kit to be ordered in multiples of 580

Item	Packing	Parts packed in bags of
Cover Side	Pack Parts in Bags Qty as Column 3	580
Cover Body		580
Latch Button		1160
Metal Latch		1160
Grommet		580
Fixing Screw		1160

SALES DRAWINGS
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RoHS compliant

Patent:
2276285
5540599

Mouser Electronics

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[KYOCERA AVX](#):

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