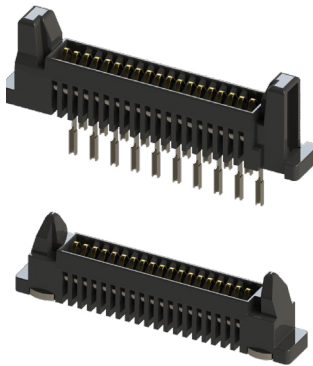




THE DATASHEET OF
209157019000006

I/O CONNECTORS

Standard I/O, 19 Position: 9157-019



Based on our standard 15 way 9157 I/O family, KYOCERA AVX has now released a family 19 way devices. This range includes a SMT 90 degree plug, a wire socket version that is used with the standard 9157 cover and a SMT socket for charging applications.

Options with the 90 degree SMT socket include the sealing of the connector contacts and the connector to the housing. There is also an option to have an EMLB (early mate, late break) on pins 1 and 19.

To achieve the seal to the device housing, it may be necessary to customize the device housing design.

On the SMT 90 degree version, we also have the capability of an integrated DC jack, enabling both the DC jack and the 19 way cover to be plugged in at the same time.

APPLICATIONS

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

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.
- Single sprung plug contact design gives ten thousand mating cycles and cleaning/wiping action.
- 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

10 **9157** **019** **00X**
Prefix Series No of RF Coax Option
10 = Plug 19 = 019 000 = No 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** **019** **00X** **006**
Prefix Series No of RF Coax Option Contact Type
20 = Socket 19 = 019 000 = No RF Coax 001 = With RF Coax 006 = SMT

Cover Options – Example

30 **9157** **9700**
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

00 **0XX**
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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