



## 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.

## APPLICATIONS

Suitable applications include:

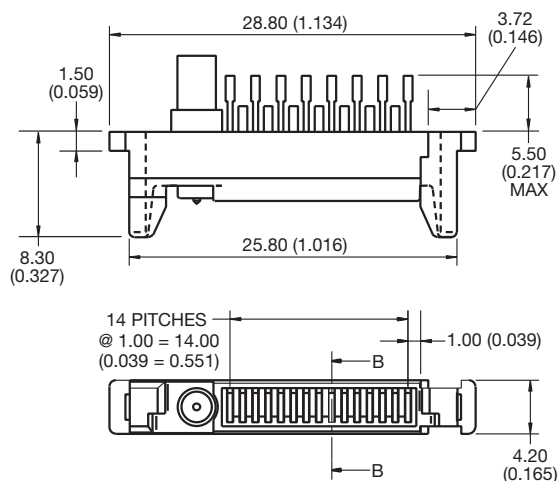
- Mobile Phones
- PDA
- Medical
- Docking/Charging for any portable device

## KEY FEATURES AND BENEFITS

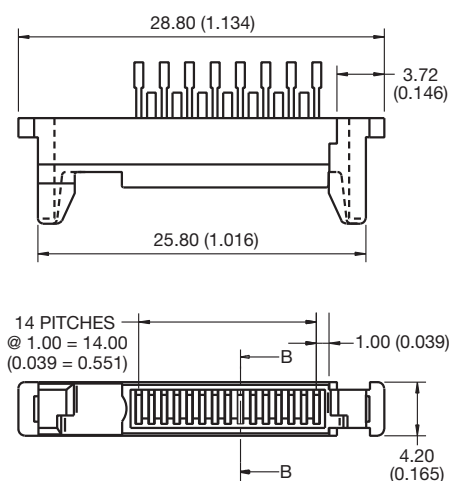
- Patented 20° angled face on the socket gives self-cleaning face when mated with plug.
- Metal Latching area integral to socket which saves PCB real estate.
- Integral to socket is a mechanical 50Ω switching coax for SMT termination.
- Single sprung plug contact design gives ten thousand mating cycles 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.



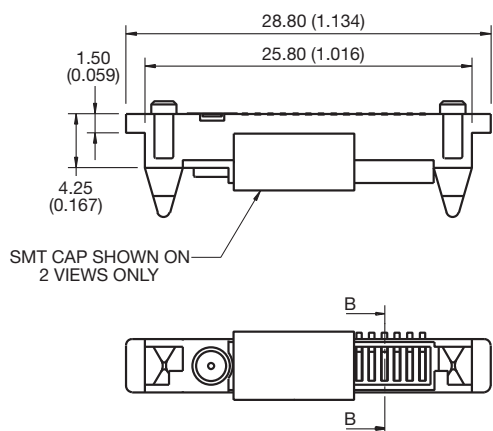
## Plug Wire with Coax



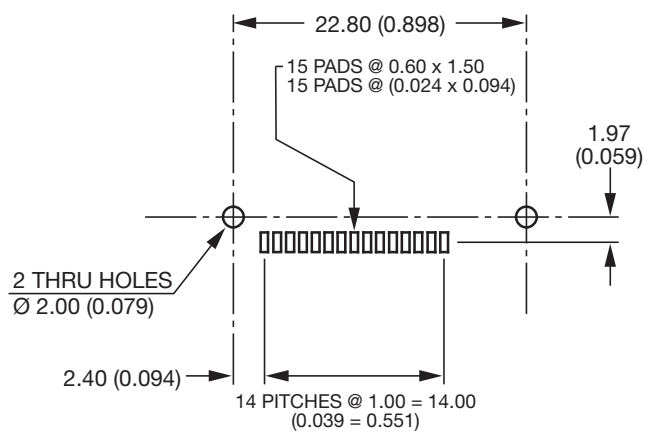
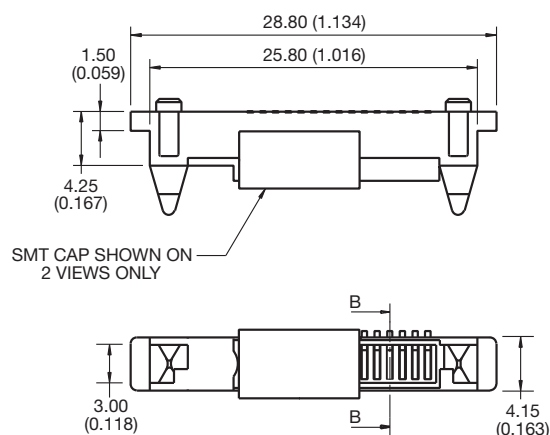
## Plug Wire without Coax



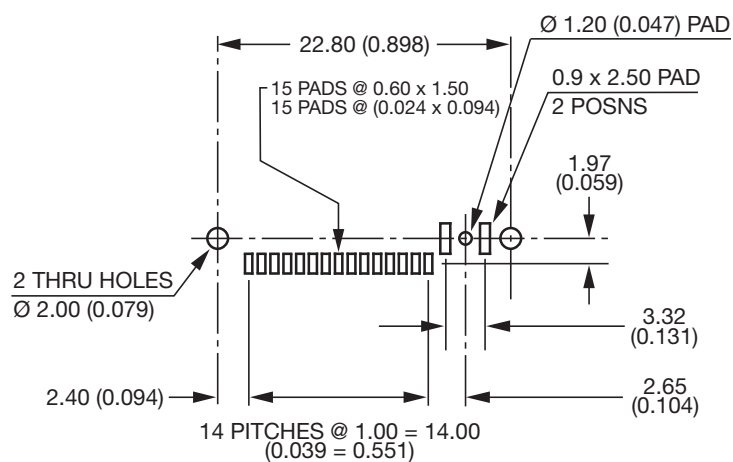
## SMT Plug with Coax



## SMT Plug without Coax

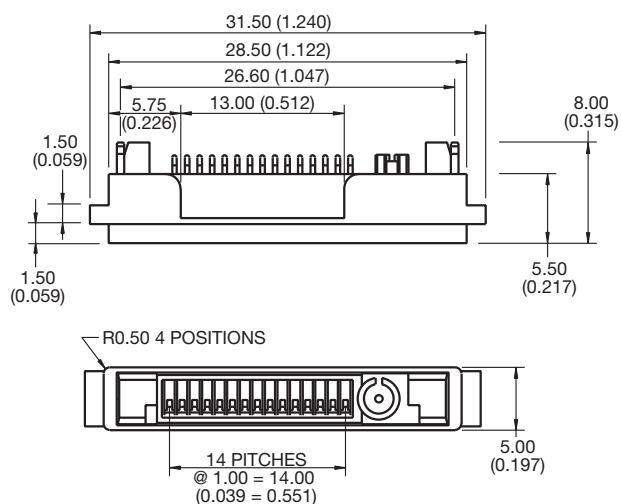


SUGGESTED PCB LAYOUT

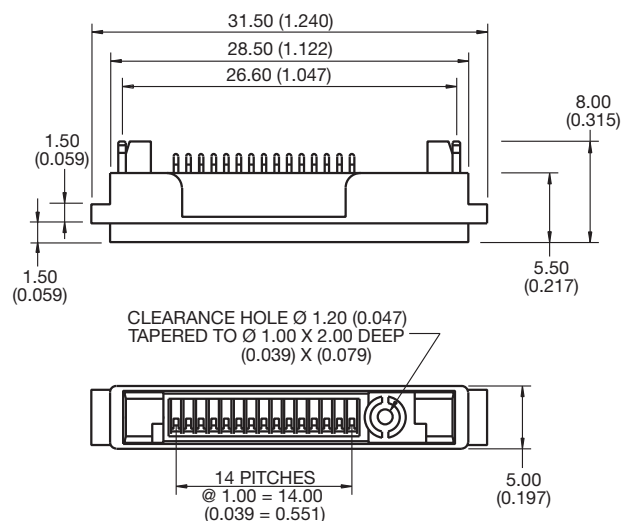


SUGGESTED PCB LAYOUT

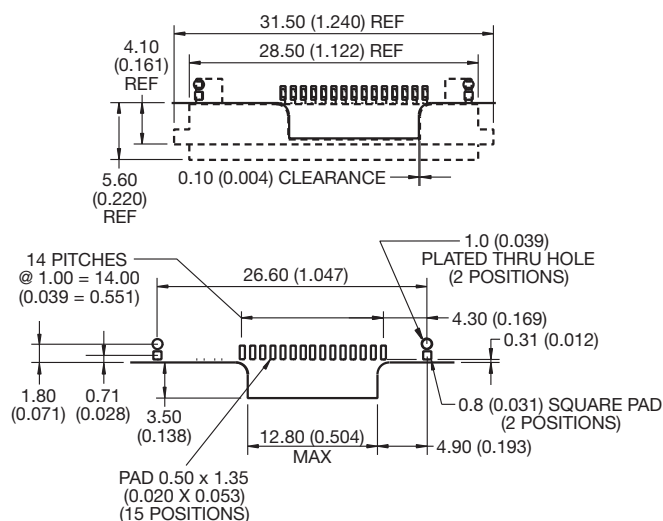
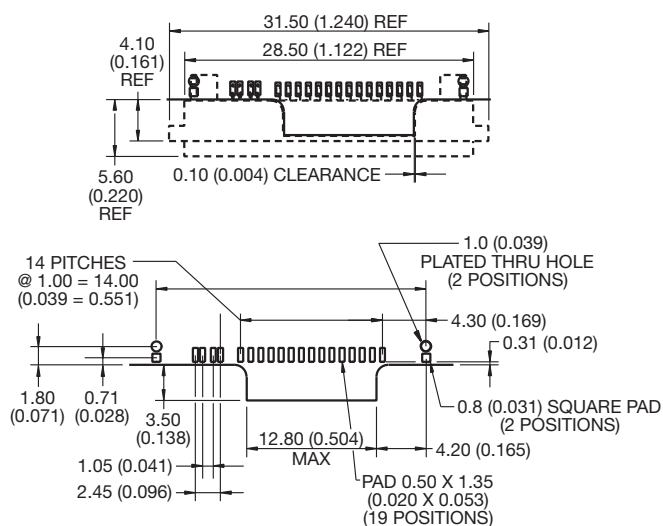
## SMT Socket with Coax



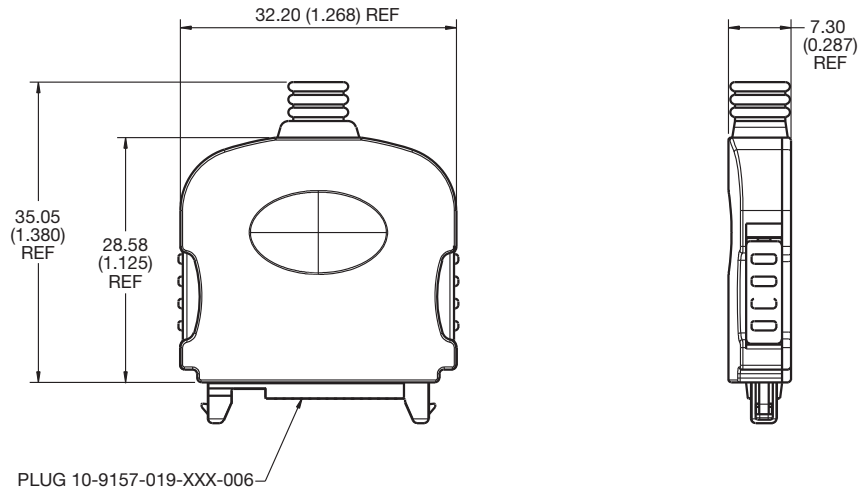
## SMT Socket without Coax



## SMT PAD LAYOUT



## Cover Kit



## HOW TO ORDER

### Plug Options – Example

|                                            |               |                               |                                                                 |                                                       |
|--------------------------------------------|---------------|-------------------------------|-----------------------------------------------------------------|-------------------------------------------------------|
| <b>10</b>                                  | <b>9157</b>   | <b>015</b>                    | <b>000</b>                                                      | <b>006</b>                                            |
| <b>Prefix</b><br>10 = Plug<br>58 = Special | <b>Series</b> | <b>No of Ways</b><br>15 = 015 | <b>RF Coax Option</b><br>000 = No RF Coax<br>001 = With RF Coax | <b>Contact Type</b><br>006 = Solder Wire<br>007 = SMT |

### Socket Options – Example

|                                              |               |                               |                                                                 |                                  |
|----------------------------------------------|---------------|-------------------------------|-----------------------------------------------------------------|----------------------------------|
| <b>20</b>                                    | <b>9157</b>   | <b>015</b>                    | <b>000</b>                                                      | <b>006</b>                       |
| <b>Prefix</b><br>20 = Socket<br>58 = Special | <b>Series</b> | <b>No of Ways</b><br>15 = 015 | <b>RF Coax Option</b><br>000 = No RF Coax<br>001 = With RF Coax | <b>Contact Type</b><br>006 = SMT |

### Cover Options – Example \* Parts supplied in kit form

|                                                    |               |                                                        |                 |                                                                                                                    |
|----------------------------------------------------|---------------|--------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------|
| <b>30</b>                                          | <b>9157</b>   | <b>9700</b>                                            | <b>00</b>       | <b>000</b>                                                                                                         |
| <b>Prefix</b><br>30 = Sub Assembly<br>58 = Special | <b>Series</b> | <b>Cover Version</b><br>9700 = Screw/Press-fit Version | <b>Standard</b> | <b>Grommet Variation</b><br>000 = No Grommet<br>035 = to suit $\phi$ 3.50 cable<br>050 = to suit $\phi$ 5.00 cable |

Patent: 2276285  
5540599

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

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9