



Mini RF Switching Connector



- Mobile Handset
- Portable Phones
- Network Carrier / Base Stations
- Automotive / Key Fob
- Industrial / Transportation



Cannon



ITT Industries
Engineered for life

Mini RF Switching Connector

Mini RF connectors are the ideal solution for customers producing devices that require verification of antenna or circuit board performance. They are specifically designed for use with portable terminal interfaces and the inspection of microwave boards used at frequencies of up to 6 GHz. The specially incorporated flared interface cone not only allows the user to snap on a bench test adaptor but also allows high mating cycles on the accessory connector.

Features & Benefits of the Design

- Small size / low profile saving space on PCB
- High mating cycles on accessory port
- Switchable
- High force on the switch providing more robust connection
- Robust design
- Latching mechanism for ease-of-use during bench testing
- Compatible with lead free soldering
- Designed for pick and place
- Cradle interface incorporates patented ball
 - enables angular misalignment without loss to performance
- Compliant with WEEE and RoHS directives

Accessories

Ball Nose Cradle connector typical for car kit applications and Low Profile Jump Cable typical for board-to-board system connection.

Applications

- Mobile handset
- Other wireless (PDA, PPC, Gaming)
- Portable phones
- Network carriers - base stations
- Automotive - key fob / locking
- Industrial - transportation equipment
- Cable houses - board-to-board cable interconnect
- Electronic measuring instrumentation / equipment
- GPS - navigation systems (ETC)
- Wireless LAN

And any small devices requiring verification of antenna / circuit performance.

Mini RF Series

Base materials

120220-0180 Accessory connector
120220-0190 Test Port

Plating

Copper alloy - Shell
LCP plastic - Insulator
Beryllium copper - Contacts
120220-0180 - Gold over nickel
120220-0190 - Matt tin finish over nickel

ELECTRICAL

Frequency

0.01 - 6 GHz

Impedance

50Ω nominal

VSWR

≤ 1.2:1

Insertion loss

unmated condition <0.1 dB
mated condition <0.5 dB

Dielectric withstanding voltage

100 VAC (150 V peak)

Contact resistance

200mΩ max (initial)

Power

2 watts

MECHANICAL

Mating Cycles

120220-0180 (with cradle connector)
up to 10,000 mating cycles
120220-0190 (with test adaptor)
100 mating cycles

ENVIRONMENTAL

Operating temperature

-40 to 85°C

Humidity

operable in 95% RH
temp +40°C

Solder systems

Infrared and hot air reflow
suitable for lead-free

Vibration

In accordance IEC 68-2-64

Shock

In accordance to IEC 68-2-27, 100 g

PACKAGING

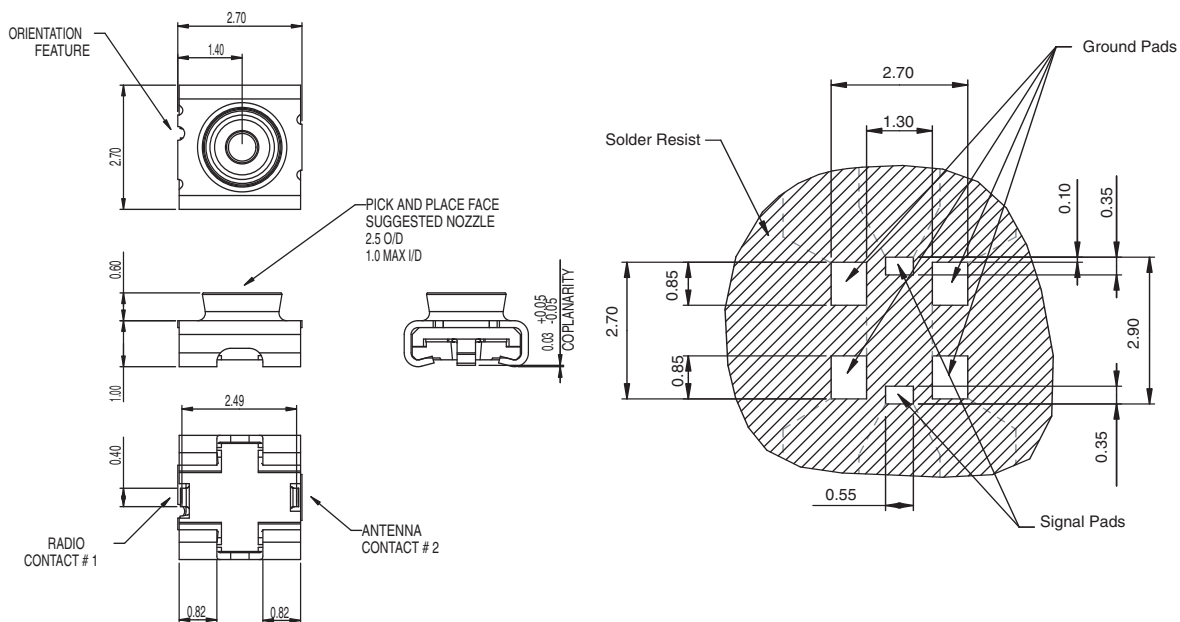
Packaging sytle

Tape and reel to EIA-481

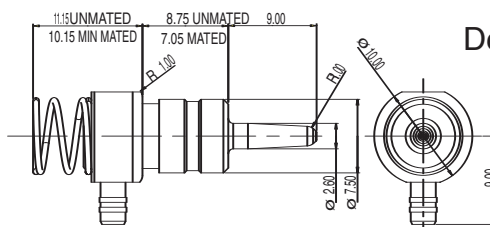
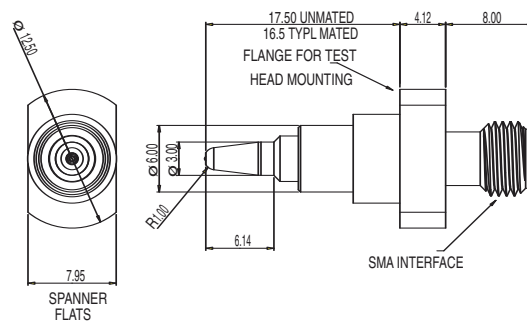
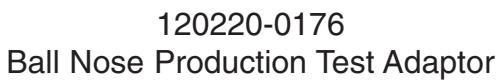
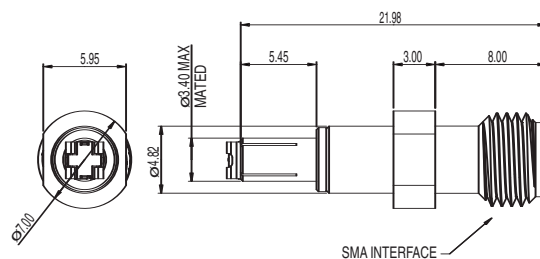
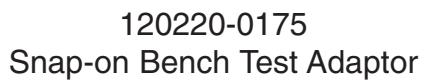
Packaging size

6000 per reel

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Accessories



Details available on request

Cradle Accessories Available

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Product Support Locations

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易迪拓培训课程列表: <http://www.edatop.com/peixun/rfe/129.html>



射频工程师养成培训课程套装

该套装精选了射频专业基础培训课程、射频仿真设计培训课程和射频电路测量培训课程三个类别共 30 门视频培训课程和 3 本图书教材;旨在引领学员全面学习一个射频工程师需要熟悉、理解和掌握的专业知识和研发设计能力。通过套装的学习,能够让学员完全达到和胜任一个合格的射频工程师的要求...

课程网址: <http://www.edatop.com/peixun/rfe/110.html>

ADS 学习培训课程套装

该套装是迄今国内最全面、最权威的 ADS 培训教程,共包含 10 门 ADS 学习培训课程。课程是由具有多年 ADS 使用经验的微波射频与通信系统设计领域资深专家讲解,并多结合设计实例,由浅入深、详细而又全面地讲解了 ADS 在微波射频电路设计、通信系统设计和电磁仿真设计方面的内容。能让您在最短的时间内学会使用 ADS,迅速提升个人技术能力,把 ADS 真正应用到实际研发工作中去,成为 ADS 设计专家...

课程网址: <http://www.edatop.com/peixun/ads/13.html>



HFSS 学习培训课程套装



该套课程套装包含了本站全部 HFSS 培训课程,是迄今国内最全面、最专业的 HFSS 培训教程套装,可以帮助您从零开始,全面深入学习 HFSS 的各项功能和在多个方面的工程应用。购买套装,更可超值赠送 3 个月免费学习答疑,随时解答您学习过程中遇到的棘手问题,让您的 HFSS 学习更加轻松顺畅...

课程网址: <http://www.edatop.com/peixun/hfss/11.html>

CST 学习培训课程套装

该培训套装由易迪拓培训联合微波 EDA 网共同推出,是最全面、系统、专业的 CST 微波工作室培训课程套装,所有课程都由经验丰富的专家授课,视频教学,可以帮助您从零开始,全面系统地学习 CST 微波工作的各项功能及其在微波射频、天线设计等领域的设计应用。且购买该套装,还可超值赠送 3 个月免费学习答疑...

课程网址: <http://www.edatop.com/peixun/cst/24.html>



HFSS 天线设计培训课程套装

套装包含 6 门视频课程和 1 本图书,课程从基础讲起,内容由浅入深,理论介绍和实际操作讲解相结合,全面系统的讲解了 HFSS 天线设计的全过程。是国内最全面、最专业的 HFSS 天线设计课程,可以帮助您快速学习掌握如何使用 HFSS 设计天线,让天线设计不再难...

课程网址: <http://www.edatop.com/peixun/hfss/122.html>

13.56MHz NFC/RFID 线圈天线设计培训课程套装

套装包含 4 门视频培训课程,培训将 13.56MHz 线圈天线设计原理和仿真设计实践相结合,全面系统地讲解了 13.56MHz 线圈天线的工作原理、设计方法、设计考量以及使用 HFSS 和 CST 仿真分析线圈天线的具体操作,同时还介绍了 13.56MHz 线圈天线匹配电路的设计和调试。通过该套课程的学习,可以帮助您快速学习掌握 13.56MHz 线圈天线及其匹配电路的原理、设计和调试...

详情浏览: <http://www.edatop.com/peixun/antenna/116.html>



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- ※ 成立于 2004 年,10 多年丰富的行业经验,
- ※ 一直致力并专注于微波射频和天线设计工程师的培养,更了解该行业对人才的要求
- ※ 经验丰富的一线资深工程师讲授,结合实际工程案例,直观、实用、易学

联系我们:

- ※ 易迪拓培训官网: <http://www.edatop.com>
- ※ 微波 EDA 网: <http://www.mweda.com>
- ※ 官方淘宝店: <http://shop36920890.taobao.com>