

FA1-NARP-PCB-8 Datasheet

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DiGi Electronics Part Number	FA1-NARP-PCB-8-DG
Manufacturer	Amphenol RF
Manufacturer Product Number	FA1-NARP-PCB-8
Description	CONN FAKRA PLUG R/A 50 OHM PCB
Detailed Description	SMB, Fakra Connector Plug, Male Pin 50 Ohms Through Hole, Right Angle Solder

This model FA1-NARP-PCB-8 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

FA1-NARP-PCB-8

Series:

-

Connector Style:

SMB, Fakra

Contact Termination:

Solder

Impedance:

50 Ohms

Mounting Feature:

-

Fastening Type:

Locking Ramp

Number of Ports:

1

Housing Color:

Black, Jet

Center Contact Material:

Brass

Body Material:

Zinc Die Cast

Center Contact Plating:

Gold

Operating Temperature:

-65°C ~ 125°C

Insertion Loss:

0.3dB

Manufacturer:

Amphenol RF

Product Status:

Active

Connector Type:

Plug, Male Pin

Shield Termination:

Solder

Mounting Type:

Through Hole, Right Angle

Cable Group:

-

Frequency - Max:

6 GHz

Features:

Code A

Ingress Protection:

-

Includes:

-

Body Finish:

Nickel

Dielectric Material:

Polytetrafluoroethylene (PTFE)

Mating Cycles:

100

Base Product Number:

FA1-NARP

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Affected

HTSUS:

8536.69.4010

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



Overview

Amphenol RF offers a variety of pre-configured FAKRA to SMA designed with flexible cable types. These 50 ohm assemblies are available in straight plug and jack configurations on popular coax cables and provide reliable performance up to 3 GHz. FAKRA to SMA cable assemblies are ideal for automotive applications such as wireless infrastructure and advanced driver assistance systems (ADAS), and industrial applications like RFID and precision GPS.

FAKRA to SMA cable assemblies are engineered with high-quality connectors that are manufactured using the automotive industry standard FAKRA connector and the compact SMA connector. These connectors feature the snap-on interface and the threaded interface, respectively. The flexibility of the cables utilized allow for this assembly to be extremely versatile.

Features and Benefits

- Designed on flexible cable types for tight spaces
- Available in a variety of standard lengths
- Supports a wide array of applications
- Tests for structural integrity and durability
- No additional tooling required

Applications

- 360° cameras
- Advanced Driver Assistance Systems (ADAS)
- Precision GPS
- RFID
- Drones
- Wireless infrastructure
- Antennas
- Handheld devices
- Test and measurement

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

FAKRA to SMA Cable Assemblies

Pre-Configured 50 Ohm Assemblies on Flexible Cables

Ordering Information

FAKRA to AMC on RG-174

Part Number	Description
095Z820-159-YYY	FAKRA Straight Jack to SMA Straight Jack, Z Code
095Z820-160-YYY	FAKRA Straight Plug to SMA Straight Jack, Z Code
095Z820-161-YYY	FAKRA Straight Jack to SMA Straight Plug, Z Code
095Z820-162-YYY	FAKRA Straight Plug to SMA Straight Plug, Z Code

FAKRA to SMA on RG-58

Part Number	Description
095Z820-163-YYY	FAKRA Straight Jack to SMA Straight Jack, Z Code
095Z820-164-YYY	FAKRA Straight Plug to SMA Straight Jack, Z Code
095Z820-165-YYY	FAKRA Straight Jack to SMA Straight Plug, Z Code
095Z820-166-YYY	FAKRA Straight Plug to SMA Straight Plug, Z Code

Note: 'YYY' denotes length code. See available lengths in chart below.

Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-006	6.00 in (152.40 mm)
-012	12.00 in (304.80 mm)
-018	18.00 in (457.20 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
-M100	39.37 in (1000 mm)
-M200*	78.74 in (2000 mm)
-M300*	118.11 in (3000 mm)

* = only available for RF-58 configurations

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