

1.85mm Female Connector Clamp/Solder Attachment for 0.085 Semi-Rigid Coax Cable

PE51748



Configuration

- 1.85mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.085 Semi-Rigid Coax Cable

Features

- Max. Operating Frequency 67 GHz
- Good VSWR of 1.35:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51748, 1.85mm Standard Connector is part of our full line of RF components available for same-day shipping. Our 1.85mm female connector operates up to a maximum frequency of 67 GHz and offers good VSWR of 1.35:1.

Our 1.85mm female connector PE51748 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		67	GHz
VSWR			1.35:1	
Insertion Loss			0.409	dB
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			2.5	mOhms
RF Leakage	100			dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.199 in [30.45 mm]
Width	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	500 Cycles

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO	
Body	Stainless Steel	Passivated

Environmental Specifications

Temperature

Operating Range

-55 to +105 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

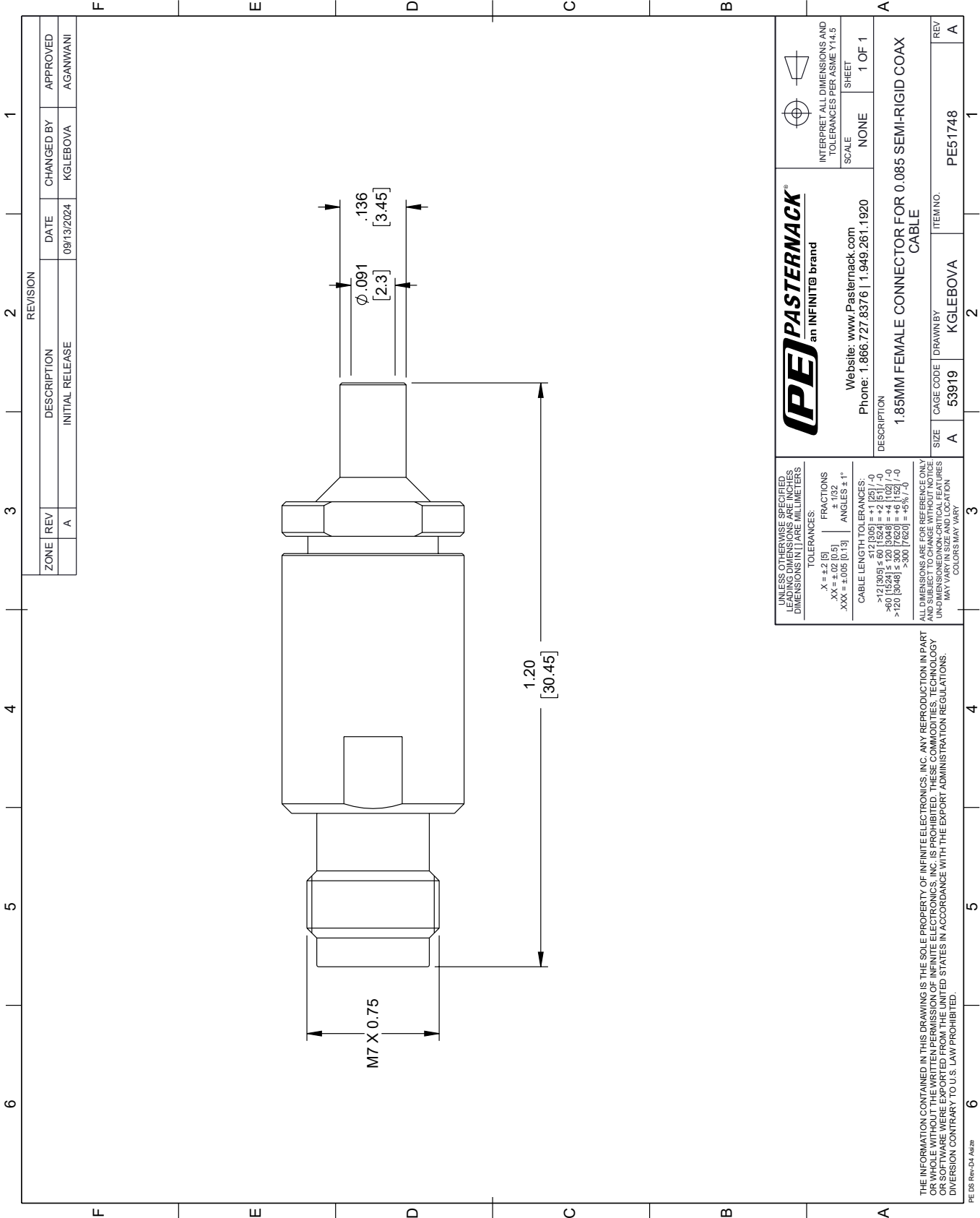
1.85mm Female Connector Clamp/Solder Attachment for 0.085 Semi-Rigid Coax Cable from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Female Connector Clamp/Solder Attachment for 0.085 Semi-Rigid Coax Cable PE51748](#)

URL: <https://www.pasternack.com/1.85mm-female-0.085-semi-rigid-coax-cable-connector-pe51748.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE51748 CAD Drawing
1.85mm Female Connector Clamp/Solder Attachment for 0.085 Semi-Rigid Coax Cable



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		PE PASTERNAK an INFINITE® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE: NONE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		SHEET 1 OF 1	
.XX = ±.02 [0.5]		DESCRIPTION		1.85MM FEMALE CONNECTOR FOR 0.085 SEMI-RIGID COAX CABLE	
.XXX = ±.005 [0.13]		SIZE		CAGE CODE	
ANGLES ± 1°		A		53919	
CABLE LENGTH TOLERANCES:		DRAWN BY		KGLEBOVA	
>12 [305] ≤ 60 [1524] = ±.125 [-0]		ITEM NO.		PE51748	
>60 [1524] ≤ 120 [3048] = ±.125 [-0]		REV		A	
>120 [3048] ≤ 300 [7620] = ±.125 [-0]		COLORS MAY VARY			

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