

## MCX Jack Commercial Grade Connector Solder Attachment .042 inch End Launch PCB



### PE51700

#### Configuration

- MCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: .042 inch End Launch
- Commercial Grade Design

#### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.45:1
- Gold Plated Phosphor Bronze Contact

#### Applications

- General Purpose Test
- PCB Applications

#### Description

Pasternack's PE51700, MCX, Commercial Grade, connector with solder attachment for .042 inch End Launch PCB is part of our full line of RF components available for same-day shipping. Our MCX jack connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.45:1.

Our MCX jack connector PE51700 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		6	GHz
VSWR			1.45:1	
Operating Voltage (AC)			170	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	0.38 in [9.65 mm]
Width	0.25 in [6.35 mm]
Height	0.25 in [6.35 mm]
Weight	0.02 lbs [9.07 g]

#### Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Brass	Gold

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#### Environmental Specifications

**Temperature**

Operating Range

-55 to +155 deg C

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

#### Plotted and Other Data

Notes:

MCX Jack Commercial Grade Connector Solder Attachment .042 inch End Launch PCB 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.

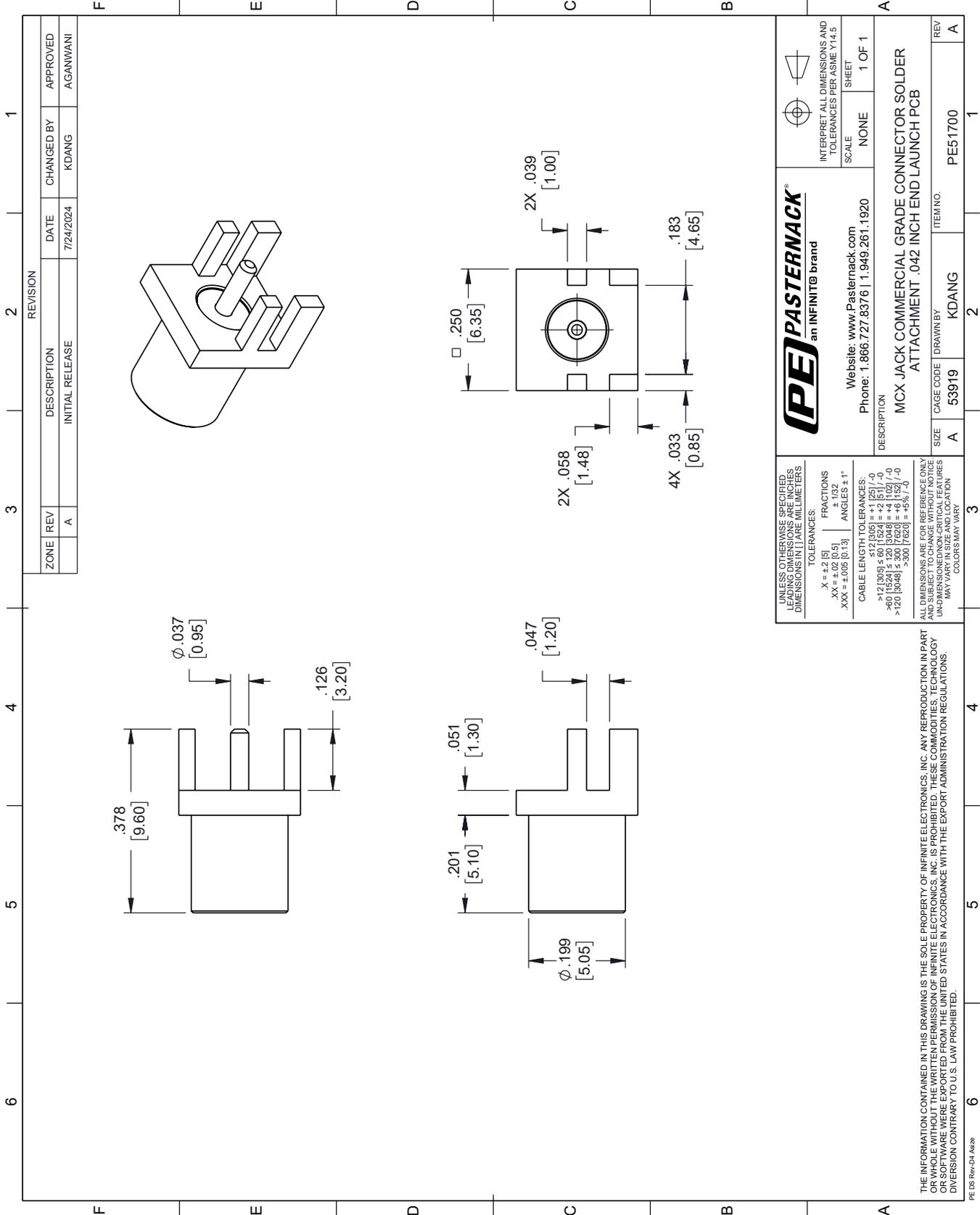
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Jack Commercial Grade Connector Solder Attachment .042 inch End Launch PCB PE51700](#)

URL: <https://www.pasternack.com/mcx-jack-.042-end-launch-pcb-connector-pe51700-p.aspx>

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.

# PE51700 CAD Drawing

MCX Jack Commercial Grade Connector Solder Attachment .042 inch End Launch PCB



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			AGANWANI

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 Phone: 1.866.727.8376 | 1.949.261.1920

SCALE: NONE  
 SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: MCX JACK COMMERCIAL GRADE CONNECTOR SOLDER ATTACHMENT .042 INCH END LAUNCH PCB

SIZE: A  
 CAGE CODE: 53919  
 DRAWN BY: KDANG  
 ITEM NO.: PE51700

REV: A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = +.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

FRACTIONS: ± 1/32  
 ANGLES: ± 1°

CABLE LENGTH TOLERANCES:  
 ≤ 12 [305] ≤ 60 [1524] = +1 [25] / -0  
 > 12 [305] ≤ 60 [1524] = +2 [51] / -0  
 > 60 [1524] ≤ 120 [3048] = +4 [102] / -0  
 > 120 [3048] ≤ 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PE DS Rev-04 Add2