

N Female Bulkhead to WMCX 1.6 Plug Cable 12 Inch Length Usin g 0.81mm Coax, RoHS



TECHNICAL DATA SHEET

ET29020

Ebeestock's WMCX 1.6 series ultra-miniature coaxial cable assemblies (also called 1.6mm WMCX) have a mated connection height of only 1.6mm. They are constructed using a flexible micro-coax cable and are compatible with ultra-miniature products from companies such as Hirose and IPEX cable manufactures. Our WMCX 1.6 plug connectors are comparable in design to the Hirose W.FL series of connectors and the IPEX MHFIII series connectors. Ebeestock also provides three additional connector options for our between-series 0.81mm micro-coax jumper cables including UMCX 2.5, WMCX 1.6 and HMCX32 1.2 low profile connectors with differing form factors and mated heights.

Our WMCX 1.6 between series cables can be ordered with Female Bulkhead versions of SMA, Reverse Polarity SMA and Type N connectors as well as an SMA Male option. These cables provide a convenient connector interface for applications that require and RF signal to be routed to an external RF component such as an antenna or to provide a test point for the RF printed circuit board. These W.FL and MHFIII compatible WMCX 1.6 cable assemblies are available from stock in standard lengths, and custom lengths are available upon request. Standard length WMCX 1.6 cables ship the same day they are ordered.

Features

- 1.6mm mated assembly height
- Operate from DC to 6GHz
- 100% RF and Continuity tested

- Compatible with Hirose W.FL and IPEX MHFIII products
- Small foot print with easy snap on/off mating

Applications

- Wireless LAN, Mini PCI
- Mobile Antenna/GPS/Radio
 Systems
- PDA/PCS/Cellular Handset applications
- Wireless Communications systems (LAN,GSM,PCS, WCDMA, UMTS)

Configuration

Connector 1
Connector 2
Cable Type

N Female Bulkhead WMCX 1.6 Plug 0.81mm

Electrical Specifications

Frequency Range Impedance Max VSWR

DC to 3 GHz 50 Ohms 1.35:1

Performance by Frequency

Frequency 1

Frequency
VSWR
1.35:1
Return Loss
Insertion Loss
0.55 dB

Frequency 2

Frequency 500 MHz VSWR 1.35:1 Return Loss 16.54 dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Female Bulkhead to WMCX 1.6 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS ET29020

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Frequency 5	
Insertion Loss	1.9 dB
VSWR Return Loss	1.35:1 16.54 dB
Frequency	2.5 GHz
Frequency 4	
Insertion Loss	1.25 dB
Return Loss	16.54 dB
VSWR	1.35:1
Frequency 3 Frequency	1000 MHz
Insertion Loss	0.78 dB

Mechanical Specifications

Temperature

Frequency

Return Loss

Insertion Loss

VSWR

Temperature Operating Range -55 to +125 deg C

Size

Length 12 in [304.8 mm]

Cable

Cable Type
Inner Conductor Type
Cable Inner Conductor
Sho of Shields

O.81mm
Stranded
Copper, Silver

No of Shields

Cable Outer Conductor 1 Tinned Copper

Dielectric Type

Jacket Material

FEP

Jacket Diameter 0.032 in [0.81 mm]

Connector 1

Type N Female Bulkhead

Configuration Straight
Mount Method Bulkhead

Inner Conductor Material and Plating Phosphor Bronze, Gold

Body Material and Plating Brass, Nickel

Connector 2

Type WMCX 1.6 Plug

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3 GHz

1.35:1

16.54 dB

2.07 dB

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Configuration Straight

Compliance Certifications (visit for current document) RoHS Compliant

REACH Compliant 12/19/2011

Plotted and Other Data

Notes:

Values at +25 °C, sea level

How to Order

Part Number Configuration:

ET3CA1014

- xx

uu

cm = Centimeters

Length
Base Number

Example: ET29020 = 12 inches long cable

ET3CA1014-100cm = 100 cm long cable

N Female Bulkhead to WMCX 1.6 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

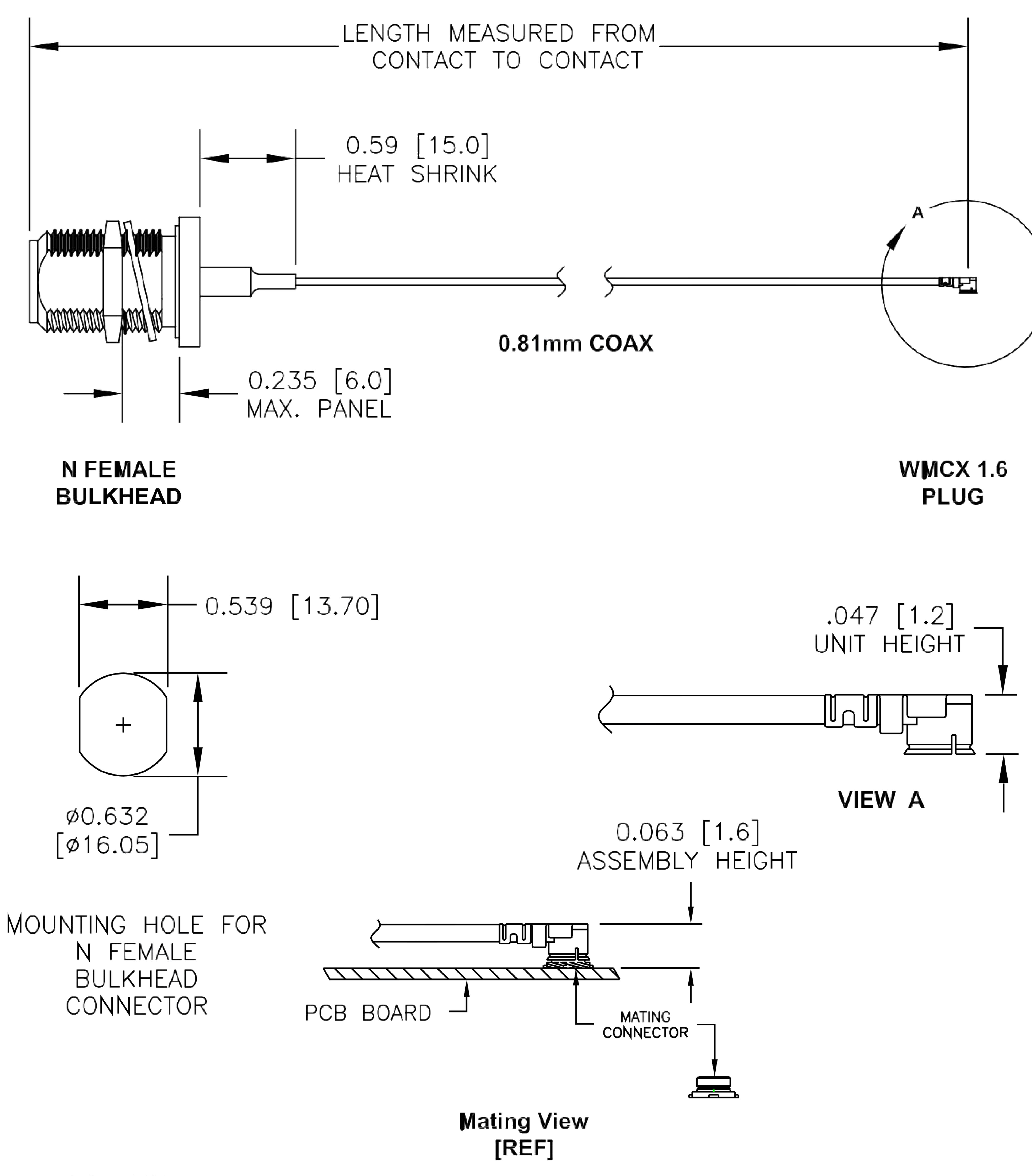
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URL: https://www.ebeestock.com/n-female-bulkhead-to-wmcx-1-6-plug-cable-12-inch-length-using-0-81mm-coax-rohs-0029020

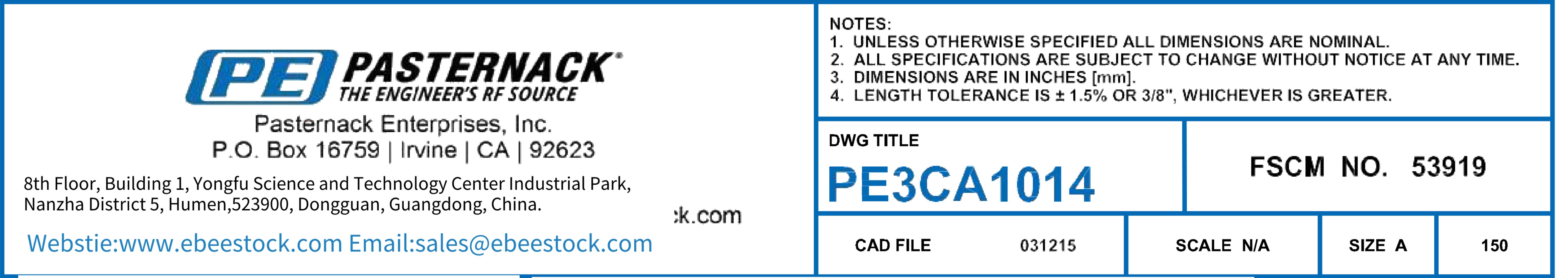
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UMCX connectors are similar to U.FL*
*U.FL is a Registered Trademark of
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