

### 20KV Female Bulkhead Hermetically Sealed Connector 0.425 inch Pin Terminal Solder Attachment

The Fairview Microwave FMCN45845 is designed for high voltage applications and is rated to 20KV. This 20KV female bulkhead connector utilizes solder attachment for the contact. Our 20KV female bulkhead terminal connector from Fairview Microwave has an interface type of Pin.

The Fairview Microwave 20KV female bulkhead coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 20KV terminal cable connector has a brass body with nickel over copper plating. Our 20KV female bulkhead connector uses brass contact with gold over nickel over copper plating material. This 20KV female bulkhead terminal RF connector is RoHS and REACH compliant, you can find this 20KV female terminal connector datasheet specifications above.

Fairview Microwave standard straight female 20KV bulkhead connector will ship the same day. Our bulkhead 20KV standard straight 20KV female high voltage connector is part of over one million RF, microwave, and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom standard cable assemblies that will ship quickly from our location.

#### Electrical Specifications

Description	Min	Typ	Max	Units
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

#### Mechanical Specifications

Size	
Length	3.89 in [98.81 mm]
Width/Dia.	0.93 in [23.62 mm]
Height	0.93 in [23.62 mm]
Weight	0.0382 lbs [17.33 g]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold over nickel over copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicone	
Washer	Brass	Tinned Copper



#### Configuration:

- 20KV Female Connector
- MIL-STD-202
- Straight Body Geometry
- Pin Interface Type
- Solder Attachment
- Bulkhead

#### Features:

- Hermetically Sealed
- Gold over nickel over copper Plated Brass Contact
- High Density PE Insulator

#### Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- High Voltage Pulsed RF Transmission

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## Environmental Specifications

### Temperature

Operating Range  
Salt Spray

-55 to +85 deg C  
MIL-STD-202, Method 101, Condiiton B

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

## Plotted and Other Data

Notes:

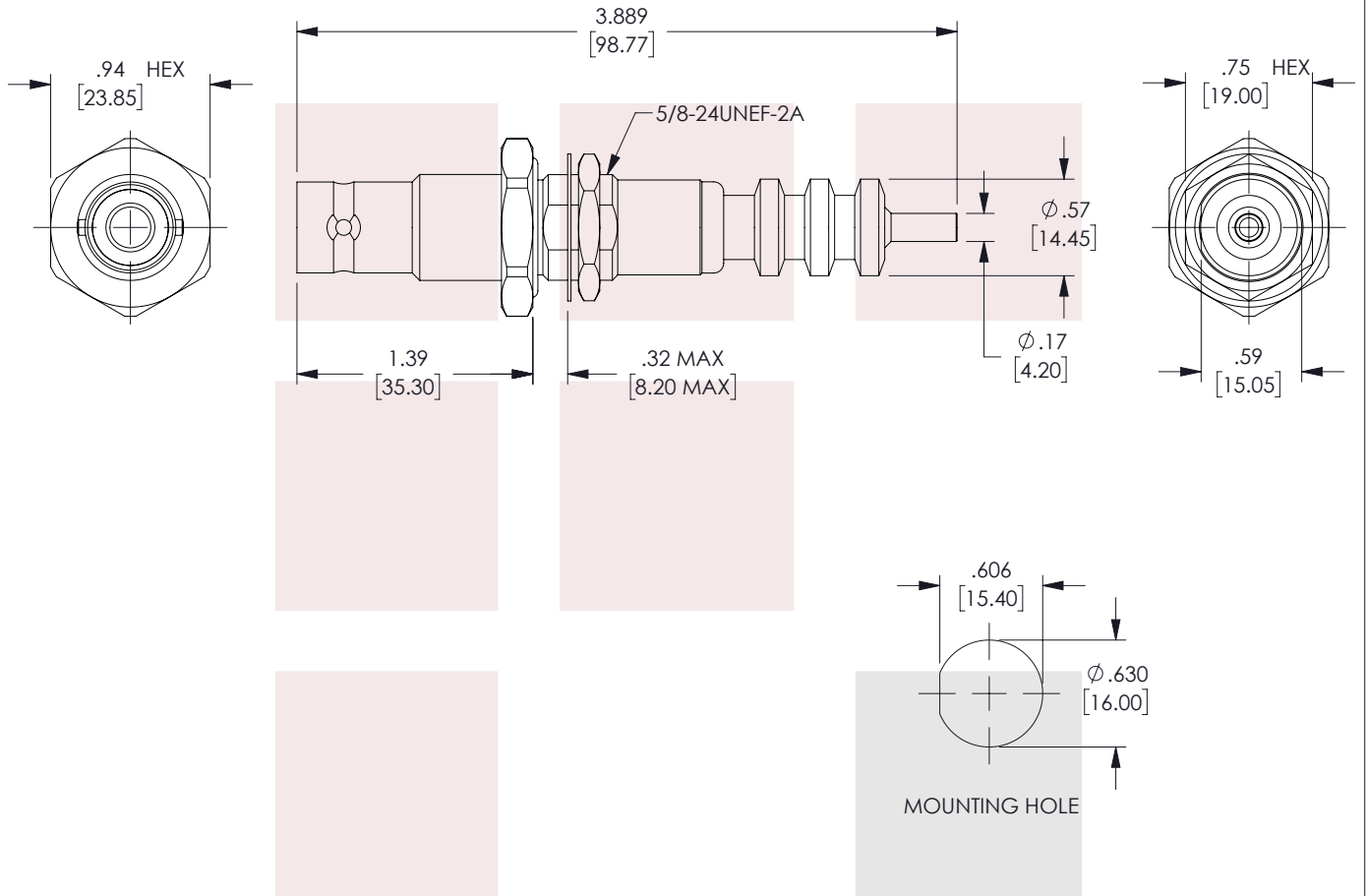
20KV Female Bulkhead Hermetically Sealed Connector 0.425 inch Pin Terminal Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20KV Female Bulkhead Hermetically Sealed Connector 0.425 inch Pin Terminal Solder Attachment FMCN45845](#)

URL: <https://www.fairviewmicrowave.com/20kv-female-pin-terminal-connector-fmcn45845-p.aspx>

The information contained in 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/21/2022	VJIWATODE



NOTES:

- HERMETICITY OF  $1 \times 10^{-6}$  cc/sec.

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TITLE

20KV Female Bulkhead Hermetically Sealed Connector  
0.425 inch Pin Terminal Solder Attachment

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY DMAY	ITEM NO. FMCN45845	REV A
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