

6

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REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13202	04/12/2024	KGLEBOVA	KHIETPAS

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E

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C

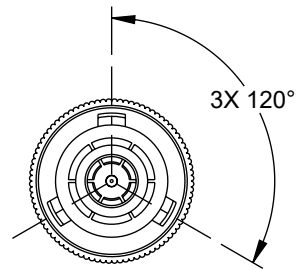
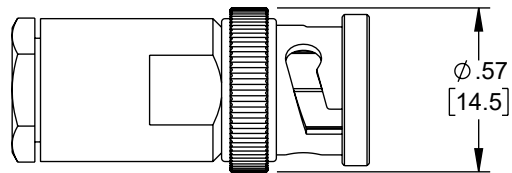
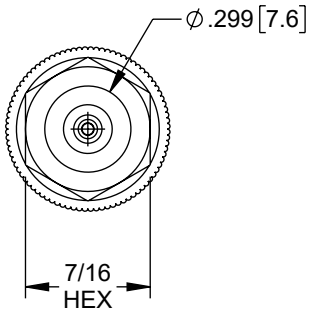
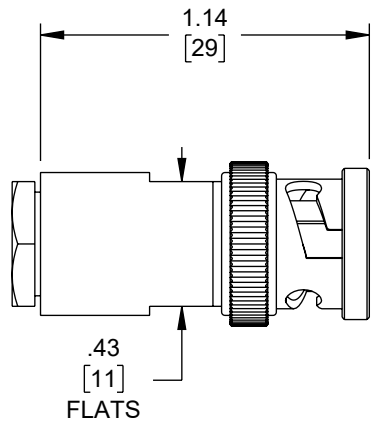
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B

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A

A



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

TOLERANCES:  
X = ±.2 [5] | FRACTIONS ± 1/32  
XX = ±.02 [0.5] | ANGLES ± 1°  
.XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
≤12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE  
UN-DIMENSIONED/NON-CRITICAL FEATURES  
MAY VARY IN SIZE AND LOCATION  
COLORS MAY VARY



Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
Phone: 1.800.715.4396 | 1.972.649.6678

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE NONE	SHEET 1 OF 2

DESCRIPTION  
**78 OHM TRB 3-SLOT PLUG 1553 CONNECTOR CLAMP/SOLDER ATTACHMENT FOR FMBC-30-02001, TWC-78-2**

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SIZE A	CAGE CODE 3FKR5	DRAWN BY SREITER	ITEM NO. FMCN10-06030-210	REV B
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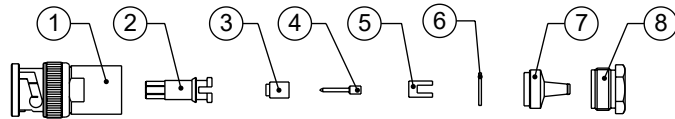
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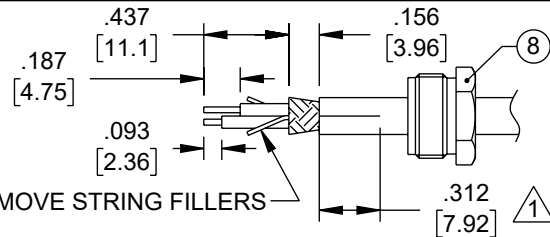
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# ASSEMBLY INSTRUCTIONS



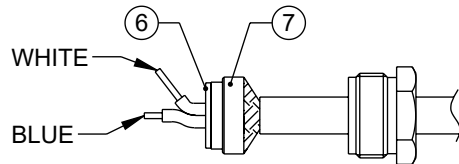
- ① BODY ASSEMBLY
- ② INNER SHIELD
- ③ DIELECTRIC
- ④ CONTACT
- ⑤ NOTCHED INSERT
- ⑥ INSULATING WASHER
- ⑦ CONE
- ⑧ CLAMP NUT

## STEP 1



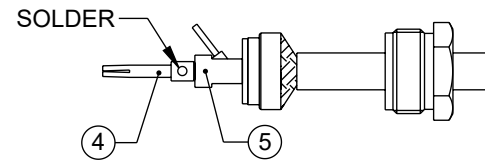
- PLACE ⑧ ONTO CABLE.
- STRIP CABLE AS SHOWN AND FLARE BRAID TO ALLOW FREE ENTER OF ⑦. (▲ LATERAL SLITS 180° APART MAY BE REQUIRED FOR INFLEXIBLE JACKET MATERIALS).
- LIGHTLY TIN CENTER CONDUCTOR.

## STEP 2



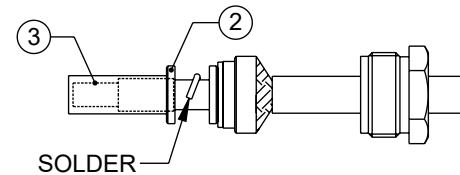
- PUSH ⑦ UNDER BRAID UNTIL BRAID IS FLUSH WITH EDGE OF ⑦.
- INSTALL ⑥ OVER CONDUCTORS AND SEAT AGAINST ⑦.
- BEND LONGER BARED CONDUCTOR AT RIGHT ANGLE AND POSITION OTHER CONDUCTOR TO CENTER OF CABLE.

## STEP 3



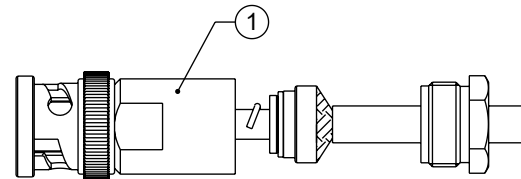
- PLACE ⑤ OVER CONDUCTORS WITH CENTER CONDUCTOR THRU CENTER HOLE AND OTHER CONDUCTOR THRU SIDE SLOT UNTIL SEATED AGAINST ⑥ OR ⑦.
- INSTALL ④ OVER CENTER CONDUCTOR. SEAT AGAINST ⑤ AND SOLDER IN PLACE.

## STEP 4



- PLACE ③ OVER ④ UNTIL BOTTOMED.
- INSTALL ② OVER ③ & ⑤ WITH CONDUCTOR THRU SIDE SLOT UNTIL BOTTOMED.
- WRAP CONDUCTOR BETWEEN ② RIDGES AND SOLDER. BEING CAREFUL NOT TO ALLOW SOLDER OR CONDUCTOR TO EXTEND ABOVE ② RIDGES.

## STEP 5



- BRING ⑧ UP ONTO TAPERED PORTION OF CABLE.
- ASSEMBLE ① OVER ENTIRE ASSY AND ENGAGE WITH ⑧.
- WRENCH TIGHTEN TO 25-35 IN LBS TORQUE.



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SCALE NONE SHEET 2 OF 2

DESCRIPTION  
78 OHM TRB 3-SLOT PLUG 1553 CONNECTOR CLAMP/SOLDER ATTACHMENT FOR FMBC-30-02001, TWC-78-2

SIZE A	CAGE CODE 3FKR5	DRAWN BY SREITER	ITEM NO. FMCN10-06030-210	REV B
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