

6 5 4 3 2 1

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13202	04/30/2024	KGLEBOVA	KHIETPAS

F

F

E

E

D

D

C

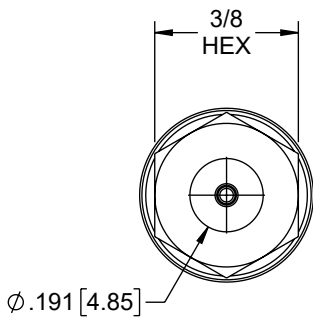
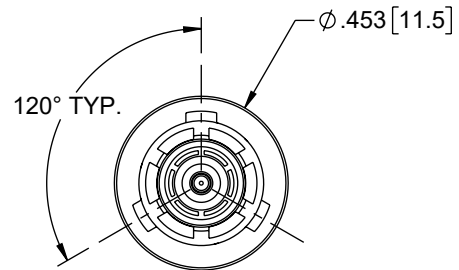
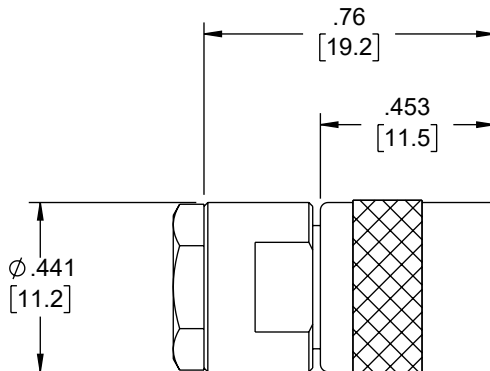
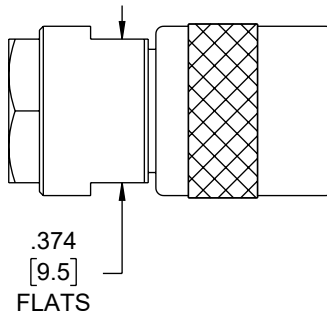
C

B

B

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

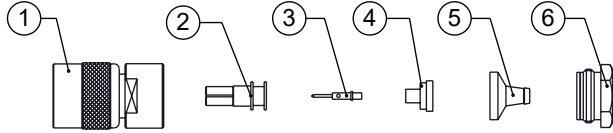
DESCRIPTION  
78 OHM TRS SUBMINIATURE 3-SLOT PLUG 1553 CONNECTOR  
CRIMP/SOLDER ATTACHMENT FOR FMBC-30-02003, TWC-78-1

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	SREITER	FMCN10-10030-231	B

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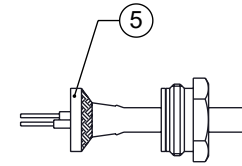
6 5 4 3 2 1

# ASSEMBLY INSTRUCTIONS



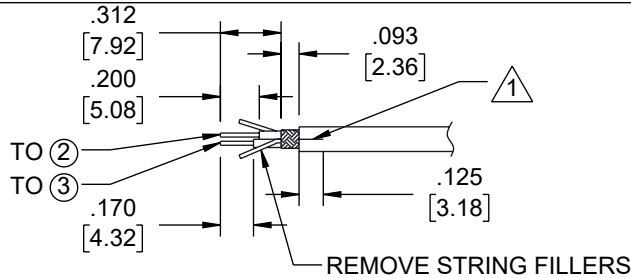
- ① BODY ASSEMBLY
- ② INNER SHIELD
- ③ CONTACT
- ④ DUAL ENTRY DIELECTRIC
- ⑤ CONE
- ⑥ CLAMP NUT

## STEP 3



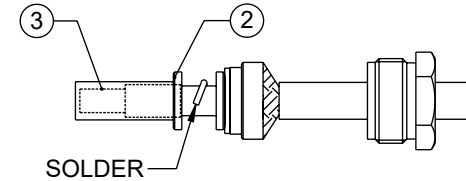
- PUSH ⑤ UNDER BRAID UNTIL BRAID IS FLUSH WITH EDGE OF ⑤.

## STEP 1



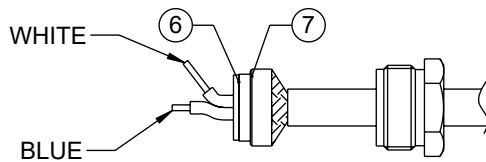
- STRIP CABLE AS SHOWN. (⚠ LATERAL SLITS 180° APART MAY BE REQUIRED FOR INFLEXIBLE JACKET MATERIALS).

## STEP 4



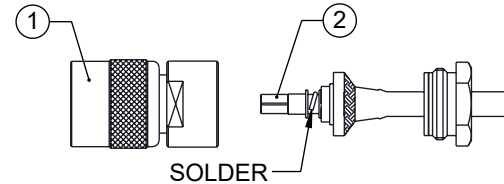
- INSERT CONDUCTORS THROUGH ④ WITH BLUE CONDUCTOR THROUGH CENTER HOLE AND WHITE CONDUCTOR THROUGH SIDE SLOT, INSTALL ③ OVER BLUE CENTER CONDUCTOR AND SOLDER.

## STEP 2



- PLACE ⑥ ONTO CABLE.
- LIGHTLY TIN CONDUCTORS AND FLARE BRAID TO ALLOW FREE ENTRY OF ⑤.

## STEP 5



- INSERT ② OVER ③ & ④.
- SOLDER WHITE CONDUCTOR TO ②. BETWEEN RIDGES, BEING CAREFUL NOT TO ALLOW SOLDER TO EXTEND ABOVE RIDGES.
- PLACE ① OVER ENTIRE ASSEMBLY. BRING UP ⑥ TO ① AND TIGHTEN ASSEMBLY TO 25-30 IN LB TORQUE.



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SCALE NONE SHEET 2 OF 2

### DESCRIPTION

78 OHM TRS SUBMINIATURE 3-SLOT PLUG 1553 CONNECTOR  
 CRIMP/SOLDER ATTACHMENT FOR FMBC-30-02003, TWC-78-1

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
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