REVISION D

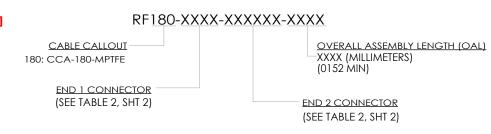
DO NOT

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DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES] ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN





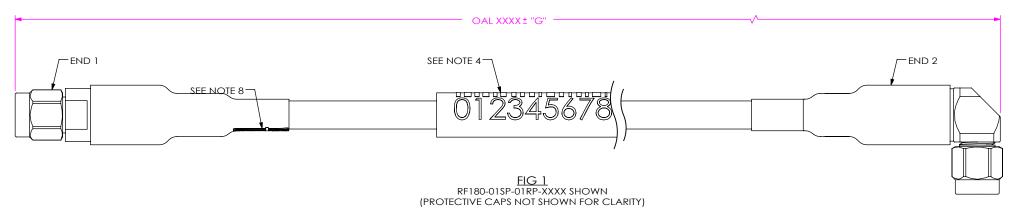


TABLE 1					
OVERALL LENGTH	"G"				
0100-0300 [3.93-11.81]	+5.0 [.20] / -0.0 [.00]				
0301-1500 [11.85-59.01]	+12.0 [.47] / -0.0 [.00]				
1501-3000 [59.09-118.11]	+25.0 [.98] / -0.0 [.00]				
3001-7500 [118.15-295.28]	+50.0 [1.97] / -0.0 [.00]				
7501-9999 [295.31-393.67]	+1% / -0.0 [.00]				

OAL XXXX± "G" <u>FIG 2</u> RF180-01SP-203038-XXXX SHOWN (SEE NOTE 6 & 7) "C" FORMAT: X.X "B" FORMAT: X.X "A" FORMAT: X.X DO NOT LEAVE ANY SPACE BLANK. EACH MUST CONTAIN A NUMERIC CHARACTER 0 THRU 9 PROPRIETARY NOTE

NOTES:

- 1. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
- 2. AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET.
- 3. CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE INDIVIDUALLY PACKAGED IN ESD BAG.
- 4. ASSEMBLY TO BE 100% TESTED FOR RETURN LOSS AND INSERTION LOSS, LABEL EACH INDIVIDUAL CABLE ASSEMBLY WITH 1 LABEL-SER-02, RETURN LOSS SPECIFICATION IS EQUAL TO THE HIGHEST END OPTION LIMIT (SEE TABLE 3).
- 5. TRIM DIELECTRIC AS NEEDED TO MEET FLUSH SPEC.
- 6. DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm[.39"].
- 7. FOR STRIPPED AND TINNED OPTION, BOTH THE CENTER CONDUCTOR & SHIELD ARE TINNED.
- 8. SAMTEC LOGO EXISTS AT END1 ONLY.



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code 55322

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REVISION D

TABLE 2							
END OPTION	SERIES	GENDER	FINISH		CONNECTOR KIT P/N	FIGURE	
			CENTER CONTACT	OUTER CONTACT	(PCI P/N)	FIGURE	
-01SP	SMA	PLUG	50μ" GOLD	PASSIVATED	PRF01-P-C-EP-142-SS (3163)	SHT 3, FIG 3	
-01SJ	SMA	JACK	50μ" GOLD	PASSIVATED	PRF01-J-C-EP-142-SS (3294)	SHT 3, FIG 4	
-01BJ	SMA	JACK	50μ" GOLD	PASSIVATED	PRF01-J-C-EP-142-BS (3297)	SHT 4, FIG 5	
-01RP	SMA	PLUG	50μ" GOLD	PASSIVATED	PRF01-P-C-EP-142-RS (3283)	SHT 4, FIG 6	
-04SP	TNCA	PLUG	50μ" GOLD	PASSIVATED	PRF04-P-C-EP-142-SS (3246)	SHT 5, FIG 7	
-04RP	TNCA	PLUG	50μ" GOLD	PASSIVATED	PRF04-P-C-EP-142-RS (3369)	SHT 5, FIG 8	
-04BJ	TNCA	JACK	50μ" GOLD	PASSIVATED	PRF04-J-C-EP-142-BS (3281)	SHT 6, FIG 9	
-06SP	NTPE	PLUG	50μ" GOLD	PASSIVATED	PRF06-P-C-EP-142-SS (3177)	SHT 6, FIG 10	
-06RP	NTPE	PLUG	50μ" GOLD	PASSIVATED	PRF06-P-C-EP-142-RS (3375)	SHT 7, FIG 11	
-06BJ	NTPE	JACK	50μ" GOLD	PASSIVATED	PRF06-J-C-EP-142-BS (3282)	SHT 7, FIG 12	
**-SING	SINGLE ENDED	-	-	-	-	-	
**->>>>>	STRIPPED & TINNED	-	-	-	-	SHT 1, FIG 2	

^{**=} END 2 OPTION ONLY

TABLE 3							
END OPTION	MAXIMUM VSWR	MAXIMUM RETURN LOSS	MAXIMUM INSERTION LOSS (IL)	FREQUENCY	PROTECTIVE CAP COLOR		
-01SP	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	BROWN		
-01SJ	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	BROWN		
-01BJ	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	BROWN		
-01RP	1.45:1	-14.72 dB	0.26	DC TO 18 GHz	BROWN		
-04SP	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	RED		
-04RP	1.45:1	-14.72 dB	0.26	DC TO 18 GHz	RED		
-04BJ	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	RED		
-06SP	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	BLACK		
-06RP	1.45:1	-14.72 dB	0.26	DC TO 18 GHz	BLACK		
-06BJ	1.35:1	-16.54 dB	0.19	DC TO 18 GHz	BLACK		

IL Max [dB] for Cable Assembly:

={8.036*SQRT(Freq[GHz])+0.196*Freq[GHz]}*OAL[mm]/30480+ End Option IL#1{See Table 3}+End Option IL#2{See Table 3}

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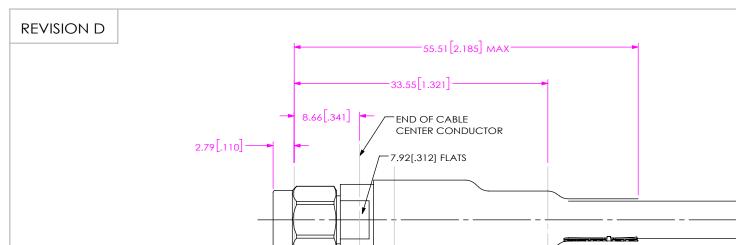
DESCRIPTION:

RF180 CABLE ASSEMBLY

DWG. NO.

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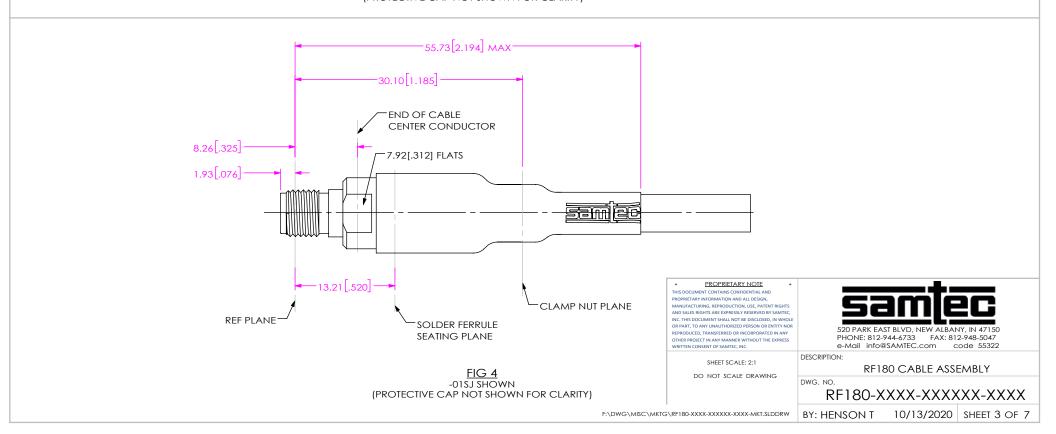
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REF PLANE

FIG 3
-01SP SHOWN
(PROTECTIVE CAP NOT SHOWN FOR CLARITY)

SOLDER FERRULE

SEATING PLANE



CLAMP NUT PLANE

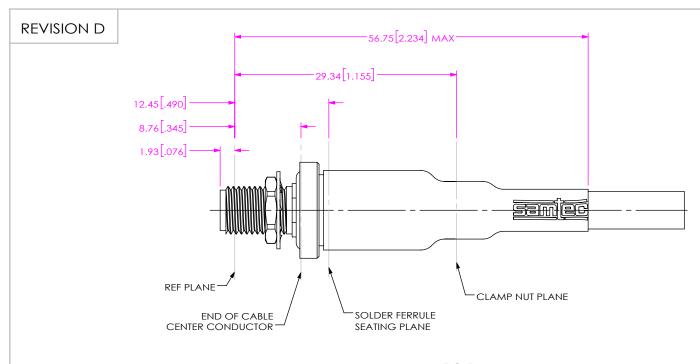


FIG. 5 -01BJ SHOWN (PROTECTIVE CAP NOT SHOWN FOR CLARITY)

