REVISION X

DO NOT SCALE FROM THIS PRINT

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

PI THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

RF23C-XXXX-XXXX-XXXX CABLE CALLOUT 23C: MWC-2350CU-01 CABLE **END 1 CONNECTOR**

(SEE TABLE 2, SHT 2)

OVERALL ASSEMBLY LENGTH (OAL)

XXXX (MILLIMETERS) (0100 MIN) (SEE NOTE 6)

END 2 CONNECTOR (SEE TABLE 2, SHT 2)

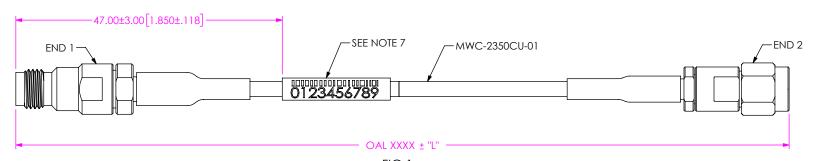
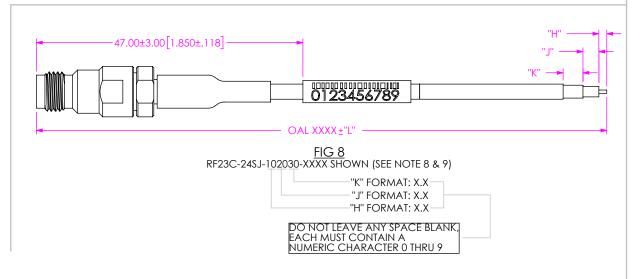


FIG 1 RF23C-24SJ-92SP-XXXX SHOWN (PROTECTIVE CAPS NOT SHOWN FOR CLARITY)

TABLE 1						
OVERALL LENGTH	"L"					
0100-0300 [5.98-11.81]	+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]					



NOTES:

- 1. NOTE DELETED.
- NOTE DELETED.
- 3. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
- 4. CABLE ASSEMBLY TO HAVE PROTECTIVE CAP ASSEMBLED ON EACH END AND TO BE INDIVIDUALLY PACKAGED IN ESD BAG.
- 5. NOTE DELETED.
- 6. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
- 7. 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.
- 8. DIM "H", "J", AND "K" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM
- VALUE OF 9.9mm[.39"].

 9. FOR STRIPPED AND TINNED OPTION, BOTH THE CENTER CONDUCTOR IS TINNED.

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING REPRODUCTION USE PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

MATERIAL . DO NOT SCALE DRAWING DESCRIPTION: CENTER CONTACTS: COPPER ALLOY SHEET SCALE: 3:2

OUT CONTACTS:
-MOSP/-MOSJ/-01SP/-01BJ/-01SB: COPPER ALLOY
-24SP/-24SJ/-92SJ/-92SJ/-00BC/
-00BF/-00BL/-00BS: STAINLESS STEEL

INSULATORS: -MOSP/-MOSJ/-01SP/-01BJ/-01SB/-00BC -00BF/-00BL/-00BS: VIRGIN PTFE FLUOROCARBON -24SP/-24SJ/-92SP/92SJ: ULTEM

F:\DWG\MISC\MKTG\RF23C-XXXX-XXXX-MKT.SLDDRW



520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com

RF23C CABLE ASSEMBLY

DWG, NO.

RF23C-XXXX-XXXX-XXXX

BY: PETER D

3/7/2017 | SHEET 1 OF 8

REVISION X

TABLE 2									
END		GENDER	FINISH		CONNECTOR KIT P/N				
OPTION	SERIES		CENTER CONTACT	OUTER CONTACT	CABLE BODY	(PCI P/N)	FIGURE		
-24SP	2.40 MM	PLUG	50μ" GOLD	PASSIVATED	PASSIVATED	PRF24-P-C-EP-23C-SS (4181)	SHT 3, FIG 2		
-24SJ	2.40 MM	JACK	50μ" GOLD	PASSIVATED	PASSIVATED	PRF24-J-C-EP-23C-SS (4182)	SHT 3, FIG 3		
-92SP	2.92 MM	PLUG	30μ" GOLD	PASSIVATED	PASSIVATED	292-P-C-HP-ST-CU3 (N/A)	SHT 4, FIG 4		
-92SJ	2.92 MM	JACK	30μ" GOLD	PASSIVATED	PASSIVATED	292-J-C-HP-ST-CU3 (N/A)	SHT 4, FIG 5		
-M0SP	SMPM	PLUG, FULL DETENT	50μ" GOLD	50μ" GOLD	3µ" GOLD	PRFM0-P-C-EE-23C-SD (N/A)	SHT 5, FIG 6		
-M0SJ	SMPM	JACK	50μ" GOLD	50μ" GOLD	3μ" GOLD	PRFM0-J-C-EE-23C-SD (N/A)	SHT 5, FIG 7		
-01SP	SMA	PLUG	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF01-P-C-EG-23C-SD (N/A)	SHT 6, FIG 9		
-01BJ	SMA	BULKHEAD JACK	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF01-J-C-EG-23C-BD (N/A)	SHT 6, FIG 10		
-01SB	SMA	SEALED BULKHEAD JACK	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF01-J-C-EG-23C-BD-1 (N/A)	SHT 7, FIG 11		
-00SJ	SMP	JACK	50μ" GOLD	50μ" GOLD	50μ" GOLD	PRF00-J-C-EE-23C-SD (N/A)	SHT 7, FIG 12		
-00MJ	SMP	R/A JACK	50μ" GOLD	50μ" GOLD	50μ" GOLD	PRF00-J-C-EE-23C-RD (N/A)	SHT 8, FIG 13		
-00BC	SMP	BULKHEAD PLUG, CATCHER'S MITT	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF00-PC-C-EG-23C-BD (N/A)	SHT 8, FIG 14		
-00BF	SMP	BULKHEAD PLUG, FULL DETENT	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF00-PF-C-EG-23C-BD (N/A)	SHT 8, FIG 14		
-00BL	SMP	BULKHEAD PLUG, LIMITED DETENT	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF00-PL-C-EG-23C-BD (N/A)	SHT 8, FIG 14		
-00BS	SMP	BULKHEAD PLUG, SMOOTH BORE	50μ" GOLD	10μ" GOLD	10μ" GOLD	PRF00-PS-C-EG-23C-BD (N/A)	SHT 8, FIG 14		
**-SING	SINGLE ENDED	-	-	-	-	-	-		
**->>>>	STRIPPED & TINNED	-	-	-	-		SHT 1, FIG 8		

^{** =} END 2 OPTION ONLY *=NOT RELEASED

TABLE 3								
END OPTION	MAXIMUM RETURN LOSS	MAXIMUM VSWR (PER END)	MAXIMUM INSERTION LOSS (IL) (PER END)	FREQUENCY	PROTECTIVE CAP COLOR			
-24SP	21.53	1.183	03+.035*SQRT(Freq[GHz]	DC TO 50 GHz	GREEN			
-24SJ	21.53	1.183	.03+.04*SQRT(Freq[GHz]) DC TO 50 G		GREEN			
-92SP	21.53	1.183	.03+.03*SQRT(Freq[GHz]) DC TO 40 GHz		YELLOW			
-92SJ	21.53	1.183	.03+.03*SQRT(Freq[GHz]) DC TO 40 GHz		YELLOW			
-M0SP	26.87	1.095	.03+.05*SQRT(Freq[GHz])—	DC TO 18 GHz	GRAY			
-101001	21.53	1.183	1.001.00 0 (411(1104[0112])	18 GHz TO 50 GHz	GIVAT			
-M0SJ	26.87	1.095	.03+.05*SQRT(Freg[GHz])	DC TO 18 GHz	GRAY			
-101033	21.53	1.183	1.001.00 0Q((((Teq[O(12])	18 GHz TO 50 GHz				
-01SP	23.69	1.140	.03+.03*SQRT(Freq[GHz])	DC TO 26.5 GHz	BROWN			
-01BJ	23.69	1.140	.03+.03*SQRT(Freq[GHz])	DC TO 26.5 GHz	BROWN			
-01SB	23.69	1.140	.03+.03*SQRT(Freq[GHz])	DC TO 26.5 GHz	BROWN			
-00SJ	25.08	1.118	.03+.03*SQRT(Freq[GHz])	DC TO 26.5 GHz	WHITE			
-00SJ	19.90	1,225	.03+.03 SQRT(FTeq[GHZ])	26.5 GHz TO 40 GHz				
-00MJ	25.08	1.118	.03+.03*SQRT(Freq[GHz])	DC TO 26.5 GHz	WHITE			
-00BC	25.08	1.118		DC TO 26.5 GHz	GRAY			
-00BC	19.90	1.225	.03+.03*SQRT(Freq[GHz])	26.5 GHz TO 40 GHz	GRAY			
-00BF	25.08	1.118	03± 03*SOPT/EroalGHz1)	DC TO 26.5 GHz	GRAY			
	19.90	1.225	.03+.03*SQRT(Freq[GHz])	26.5 GHz TO 40 GHz	GRAT			
-00BL	25.08	1.118	03+ 03*SORT(Fred[GHz])	DC TO 26.5 GHz	GRAY			
	19.90	1.225	.03+.03*SQRT(Freq[GHz])	26.5 GHz TO 40 GHz	515			
-00BS	25.08	1.118	03± 03*COPT/EroalGU-1)	DC TO 26.5 GHz	GRAY			
	19.90	1.225		26.5 GHz TO 40 GHz	0.311			

IL Max [dB] for cable assembly:

 $= \{19.65*SQRT(Freq[GHz]) + 1.16*Freq[GHz]\}*OAL[mm]/30480 + End Option IL\#1\{See \ Table \ 3\} + End Option IL\#2\{See \ Tab$

*=NOT RELEASED

VSWR MAX FOR CABLE ASSEMBLY:

= END OPTION VSWR#1{SEE TABLE 3}*END OPTION VSWR#2{SEE TABLE 3}

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC. INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

DESCRIPTION:

RF23C CABLE ASSEMBLY

SHEET SCALE: 3:2

DWG. NO.

RF23C-XXXX-XXXX-XXXX

3/7/2017 SHEET 2 OF 8

F:\DWG\MISC\MKTG\RF23C-XXXX-XXXX-MKT.SLDDRW BY: PETER D

