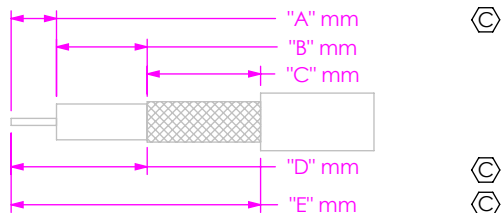


THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

BE25S-XXXXX-XX.X-XX-XXXX

FIG 2
CABLE STRIPPING DIMENSIONS PER CONFIGURATIONS (SEE NOTES 10, 11,12,13)



CABLE CALLOUT END 1
25S: MWC-2550-01 CABLE, WITH PRB4-P-C-X-ST-CS5 CONNECTOR (SEE SHEET 2)

END 2 CONNECTOR (SEE NOTE 15)
-01BJ: SMA-J-C-X-ST-BS5 (SEE SHEET 2)
-01SP: SMA-P-C-X-ST-CS5 (SEE SHEET 2)
-SCC4: PRB4-P-C-X-ST-CS5 (STD. FERRULE) (SEE SHEET 2)
-00SJ: SMP-J-C-XX-ST-CS5 (SEE SHEET 2)
-00RJ: SMP-J-C-XX-RA-CS5 (SEE SHEET 2)
***-92SJ: 292XX-J-C-XX-ST-CS5 (SEE SHEET 3)
***-92SP: 292XX-P-C-XX-ST-CS5 (SEE SHEET 3)

END 2 PLATING OPTION
1: GOLD ALL COMPONENTS
6. ALTERNATE H GOLD / H GOLD / NICKEL
7. ALTERNATE GOLD MEDIUM/ GOLD FLASH
8. ALTERNATE HEAVY GOLD/MEDIUM GOLD
9. ALTERNATE HEAVY GOLD/MEDIUM GOLD
P: HEAVY GOLD / PASSIVATED STAINLESS STEEL (SEE SHEET 2 FOR PLATING SPECIFICS)

OVERALL CABLE LENGTH (MILLIMETERS)
0100-9999 [3.9 - 393.7]
(SEE NOTES 8 & 9)

No. OF PHASE MATCHED CABLES
■ -01: NO PHASE MATCHING (1 CABLE FOR THIS PART NUMBER)
-02: (2 CABLES FOR THIS PART NUMBER)
-04: (4 CABLES FOR THIS PART NUMBER)
-06: (6 CABLES FOR THIS PART NUMBER)
-08: (8 CABLES FOR THIS PART NUMBER)

PHASE MATCHING SPEC (RANGE)
■ -00.0: NO PHASE MATCHING
-02.0: 2.0 PICO-SECOND
-05.0: 5.0 PICO-SECONDS
-10.0: 10.0 PICO-SECONDS (SEE NOTE 14)

STYLE	CABLE CUT LENGTH	
	SUBTRACTOR	HI POT
-01BJ	9.0 [0.35]	1000
-01SP	5.5 [0.22]	1000
-SCC4	1.9 [0.07]	1000
-00SJ	3.8 [0.15]	500
-00RJ	1.7 [0.07]	500
***-92SJ	8.4 [0.33]	1000
***-92SP	9.1 [0.36]	1000

LENGTH	TOLERANCE
0100-0200 [3.92-7.87]	+3.0 [.12]/-0.0 [.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]

PATENT NUMBER
7,544,093

*** = NOT RELEASED
■ = FOR EXISTING CUSTOMERS ONLY

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION
- CABLE CUT LENGTH:
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2)
(SEE TABLE 1 FOR SUBTRACTORS)
- ⊕ ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
- ⊕ ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1
- AFTER FINAL ELECTRICAL TESTS, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL -ET
- CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
- PHASE MATCHED GROUPED FINISHED ASSEMBLIES TO BE PACKAGED IN OPAQUE BAGS. LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
- CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
- CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
- PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
- PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
- PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
- DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm.
- PARTS TO BE PHASE MATCHED PER CO-HD-WI-3062-M.
- FERRULE AND SPRING ARE FREE FLOATING AND ARE NOT STATIONARY.

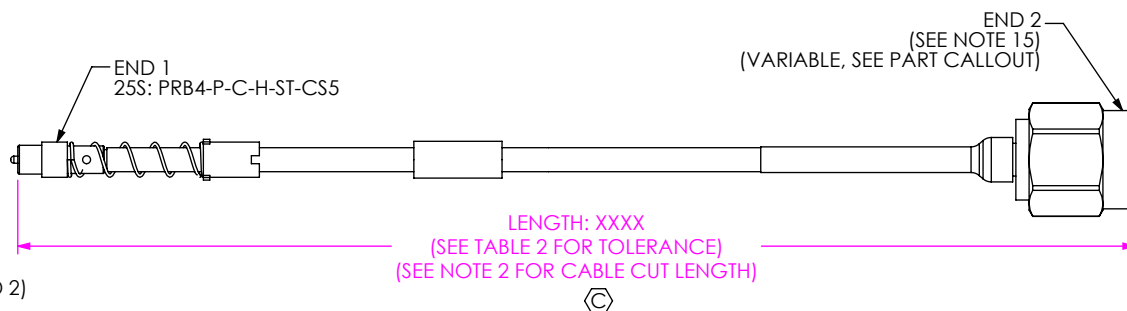


FIG 1
BE25S-01SPX-00.0-00-XXXX SHOWN

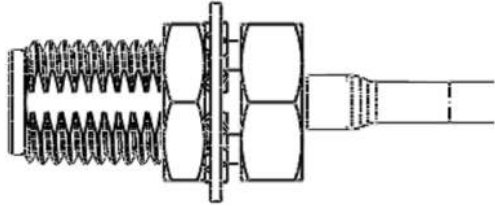
F:\DWG\MISC\MKTG\BE25S-XXXXX-XX.X-XX-XXXX-MKT.SLDDRW

<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].</p> <p>TOLERANCES ARE:</p> <table border="0"> <tr> <td>DECIMALS</td> <td>ANGLES</td> </tr> <tr> <td>.X: ±0.3 [.01]</td> <td>2°</td> </tr> <tr> <td>.XX: ±0.13 [.005]</td> <td></td> </tr> <tr> <td>.XXX: ±0.051 [.0020]</td> <td></td> </tr> </table>	DECIMALS	ANGLES	.X: ±0.3 [.01]	2°	.XX: ±0.13 [.005]		.XXX: ±0.051 [.0020]		<p>PROPRIETARY NOTE</p> <p>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.</p>	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code: 55322</p>
	DECIMALS	ANGLES								
.X: ±0.3 [.01]	2°									
.XX: ±0.13 [.005]										
.XXX: ±0.051 [.0020]										
<p>MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1 SEE END 1 AND END 2 ASSEMBLY PRINTS</p>	<p>DESCRIPTION: BULLSEYE 25X CABLE ASSEMBLY</p> <p>DWG. NO. BE25S-XXXXX-XX.X-XX-XXXX</p> <p>BY: TALON Z 01/07/2010 SHEET 1 OF 3</p>									

-01BJ

(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING

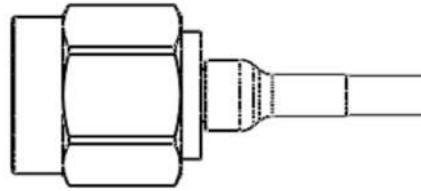
1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMA-J-C-H-ST-BS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BS5
THAT APPLY MUST BE VERIFIED.

-01SP

(STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-X-ST-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING

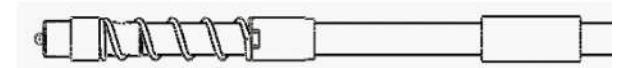
1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMA-P-C-H-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-X-ST-CS5
THAT APPLY MUST BE VERIFIED.

-SCC4

(ROUND TIP/STD. FERRULE)

(USE DRAWING No. PRB4-P-C-X-ST-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING

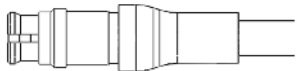
1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: PRB4-P-C-H-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON PRB4-P-C-X-ST-CS5
THAT APPLY MUST BE VERIFIED.

-00SJ

(STRAIGHT JACK)

(USE DRAWING No. SMP-J-C-XX-ST-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

7: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: SMP-J-C-GF-ST-CS5)

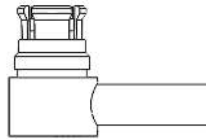
8: 30µ" MIN. GOLD CENTER CONTACT
10µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMP-J-C-HG-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-ST-CS5
THAT APPLY MUST BE VERIFIED.

-00RJ

(RIGHT ANGLE JACK)

(USE DRAWING No. SMP-J-C-XX-RA-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

7: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: SMP-J-C-GF-RA-CS5)

8: 30µ" MIN. GOLD CENTER CONTACT
10µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMP-J-C-HG-RA-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-RA-CS5
THAT APPLY MUST BE VERIFIED.

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SHEET SCALE: 1:1



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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: BULLSEYE 25X CABLE ASSEMBLY

DWG. NO. BE25S-XXXXX-XX.X-XX-XXXX

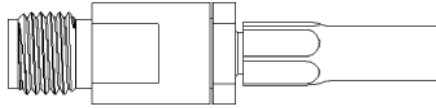
BY: TALON Z 01/07/2010 SHEET 2 OF 3

REVISION J

PATENT NUMBER
7,544,093

***-92SJ
(STRAIGHT JACK)

(USE DRAWING No. 292XX-J-C-XX-ST-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

6: 30μ" MIN. GOLD CENTER CONTACT
30μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PB-J-C-HH-ST-CS5)

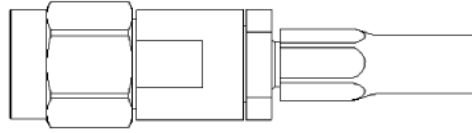
9: 30μ" MIN. GOLD CENTER CONTACT
10μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PB-J-C-HG-ST-CS5)

P: 30μ" MIN. GOLD CENTER CONTACT
PASSIVATED STAINLESS STEEL OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PS-J-C-HP-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-J-C-XX-ST-CS5
THAT APPLY MUST BE VERIFIED.

***-92SP
(STRAIGHT PLUG)

(USE DRAWING No. 292XX-P-C-XX-ST-CS5
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

6: 30μ" MIN. GOLD CENTER CONTACT
30μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PB-P-C-HH-ST-CS5)

9: 30μ" MIN. GOLD CENTER CONTACT
10μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PB-P-C-HG-ST-CS5)

P: 30μ" MIN. GOLD CENTER CONTACT
PASSIVATED STAINLESS STEEL OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: 292PS-P-C-HP-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-P-C-XX-ST-CS5
THAT APPLY MUST BE VERIFIED.

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DWG. NO. BE25S-XXXXXX-XX.X-XX-XXXX

BY: TALON Z 01/07/2010 SHEET 3 OF 3