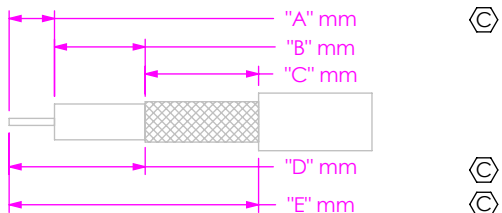


**THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

**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)

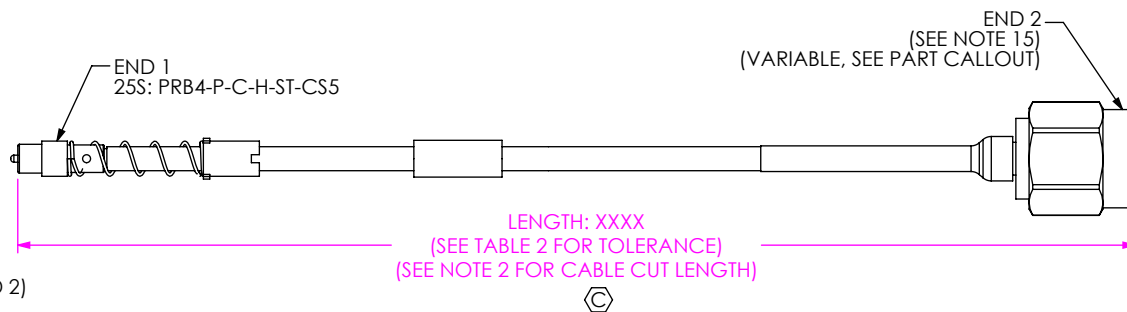
**PHASE MATCHING SPEC (RANGE)**  
 ■ -00.0: NO PHASE MATCHING  
 -02.0: 2.0 PICO-SECOND  
 -05.0: 5.0 PICO-SECONDS  
 -10.0: 10.0 PICO-SECONDS (SEE NOTE 14)

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

STYLE	CABLE CUT LENGTH	HI POT
	SUBTRACTOR	DCV
-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



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

**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.

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

**UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].**  
**TOLERANCES ARE:**  
 DECIMALS ANGLES  
 .X: ±0.3 [.01] 2°  
 .XX: ±0.13 [.005]  
 .XXX: ±0.051 [.0020]

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**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
 SEE END 1 AND END 2 ASSEMBLY PRINTS



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

**DESCRIPTION:**  
BULLSEYE 25X CABLE ASSEMBLY

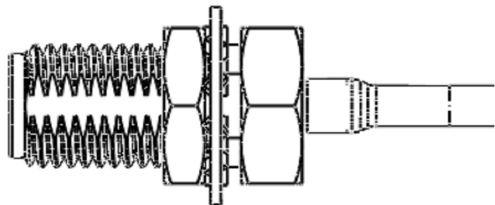
DWG. NO.  
**BE25S-XXXXX-XX.X-XX-XXXX**

BY: TALON Z 01/07/2010 SHEET 1 OF 3

**-01BJ**

(STRAIGHT BULKHEAD JACK)

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



PLATING

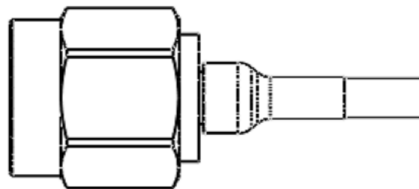
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-BS5)

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)

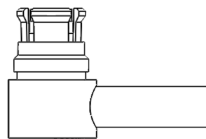
8: 30µ" MIN. GOLD CENTER CONTACT  
10µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMP-J-C-HG-ST-CS5)

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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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
BULLSEYE 25X CABLE ASSEMBLY

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

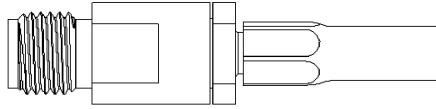
BY: TALON Z 01/07/2010 SHEET 2 OF 3

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)

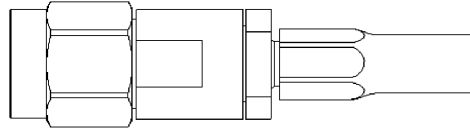
9: 30µ" MIN. GOLD CENTER CONTACT  
10µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PB-J-C-HG-ST-CS5)

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  
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PHONE: 812-944-6733 FAX: 812-948-5047  
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DESCRIPTION: BULLSEYE 25X CABLE ASSEMBLY

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