

THIS PRODUCT MANUFACTURED
WITH LEAD-FREE PROCESSINGDESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]DO NOT
SCALE FROM
THIS PRINT

FIG 2
CABLE STRIPPING DIMENSIONS
PER CONFIGURATIONS
(SEE TABLE 1)(SEE NOTES 10, 11,12,13)

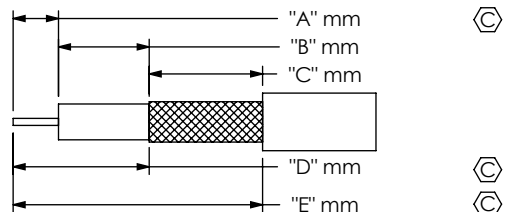


TABLE 1					
CABLE STRIPPING DIMENSIONS				CABLE CUT LENGTH	HI POT
STYLE	"A"	"D"	"E"	SUBTRACTOR	DCV
-01BJ	3.2 [0.13]	3.2 [0.13]	8.4 [0.33]	9.0 [0.35]	1000
-01SP	3.0 [0.12]	3.0 [0.12]	7.3 [0.29]	5.5 [0.22]	1000
-SCC3	2.5 [0.10]	5.8 [0.23]	0.0 [0.00]	1.7 [0.07]	1000
-00SJ	2.2 [0.09]	5.5 [0.22]	0.0 [0.00]	3.8 [0.15]	500
-00RJ	0.9 [0.04]	1.2 [0.05]	3.8 [0.15]	1.7 [0.07]	500

TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE	
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]

NOTES:

- ⑥ REPRESENTS A CRITICAL DIMENSION
- CABLE CUT LENGTH:
$$= (\text{LENGTH: XXXX}) - (\text{SUBTRACTOR FOR END 1}) - (\text{SUBTRACTOR FOR END 2})$$

(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.
- 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.

CABLE CALLOUT END 1
25M: CCA-25M CABLE WITH
PRB3-P-C-X-ST-CA5 CONNECTOR
(SEE SHEET 2).

END 2 CONNECTOR
(SEE NOTE 15)
-01BJ: SMA-J-C-X-ST-BH5 (SEE SHEET 2)
-01SP: SMA-P-C-X-ST-CA5 (SEE SHEET 2)
-SCC3: PRB3-P-C-X-ST-CA5 (STD. FERRULE) (SEE SHEET 2)
-00SJ: SMP-J-C-XX-ST-CA5 (SEE SHEET 2)
-00RJ: SMP-J-C-XX-RA-CA5 (SEE SHEET 2)

END 2 PLATING OPTION
1: GOLD ALL COMPONENTS
7. ALTERNATE GOLD MEDIUM/ GOLD FLASH
8. ALTERNATE HEAVY GOLD/MEDIUM GOLD
(SEE SHEET 2 FOR PLATING SPECIFICS)

PATENT NUMBER
7,544,093

BE25M-XXXXX-XX.X-XX-XXXX

OVERALL CABLE LENGTH (MILLIMETERS)
(SEE NOTES 8 & 9)
0100-9999 [3.9 - 393.7]
(STOCKED LENGTHS AS FOLLOWS)
-0152: (6 INCHES)
-0305: (12 INCHES)
-0457: (18 INCHES)
-0914: (36 INCHES)

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
-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 AVAILABLE WITH -0457 AND -0914 CABLE LENGTH
**NOT AVAILABLE WITH -0914 CABLE LENGTH

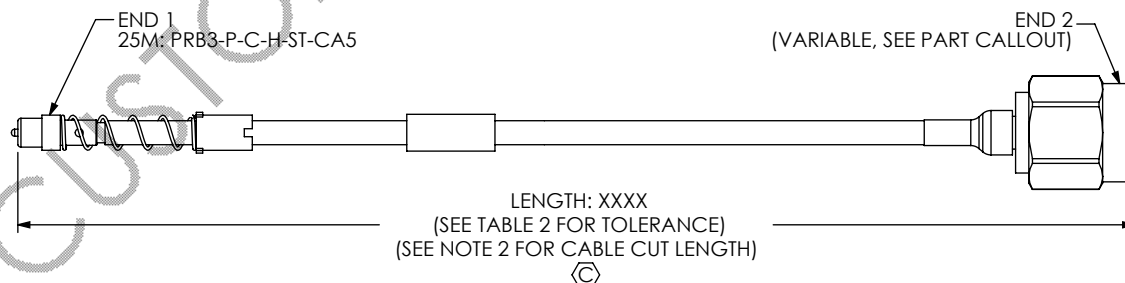


FIG 1
BE25M-01SPX-00.0-00-XXXX SHOWN

F:\DWG\MISC\MKTG\BE25M-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
SEE END 1 AND END 2 ASSEMBLY PRINTS

SHEET SCALE: 2:1

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

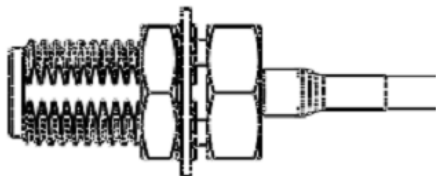
DESCRIPTION:
BULLSEYE 25X CABLE ASSEMBLY

DWG. NO.
BE25M-XXXXX-XX.X-XX-XXXX

BY: TALON Z 01/07/2010 SHEET 1 OF 2

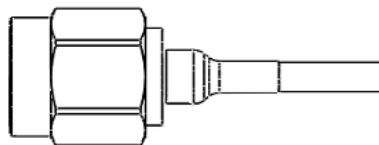
-01BJ

(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BH5
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-BH5)

NOTE:
 ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BH5
 THAT APPLY MUST BE VERIFIED.

-01SP
(STRAIGHT PLUG)(USE DRAWING No. SMA-P-C-X-ST-CA5
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-CA5)

NOTE:
 ALL CRITICAL DIMENSIONS ON SMA-P-C-X-ST-CA5
 THAT APPLY MUST BE VERIFIED.

-SCC3

(ROUND TIP/STD. FERRULE)

(USE DRAWING No. PRB3-P-C-X-ST-CA5
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: PRB3-P-C-H-ST-CA5)

NOTE:
 ALL CRITICAL DIMENSIONS ON PRB3-P-C-X-ST-CA5
 THAT APPLY MUST BE VERIFIED.

-00SJ

(STRAIGHT JACK)

(USE DRAWING No. SMP-J-C-XX-ST-CA5
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-CA5)

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-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-ST-CA5
 THAT APPLY MUST BE VERIFIED.

-00RJ

(RIGHT ANGLE JACK)

(USE DRAWING No. SMP-J-C-XX-RA-CA5
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-CA5)

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-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-RA-CA5
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SHEET SCALE: 1:1

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.

BE25M-XXXXXX-XX.X-XX-XXXX

BY: TALON Z

01/07/2010

SHEET 2 OF 2