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- NOTES:
- DESIGNED TO BE INSTALLED BY LASER WELDING.
 - SHELL INTERFACE PER MIL-DTL-38999/23 SERIES III
 - CONTACT, ATMOSPHERIC SIDE: #8 BMA COAXIAL PER MIL-STD-348
 - CONTACT, HERMETIC SIDE: SMA PER MIL-STD-348
 - HERMETIC LEAK RATE: $\leq 1 \times 10^{-9}$ CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
 - DIELECTRIC WITHSTANDING VOLTAGE - NO EVIDENCE OF BREAKDOWN OR FLASHOVER WHEN SUBJECTED TO 500 VAC RMS 60 Hz PER MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION SHALL BE 1 SECOND MINIMUM.
 - INSULATION RESISTANCE - GREATER THAN 5,000 MEGOHMS AT $50 \pm 10\%$ VDC AT 25°C IAW MIL-STD-1344, METHOD 3003.
 - ELECTRICAL PERFORMANCE
IMPEDANCE: 50 OHMS NOMINAL
OPERATIONAL FREQUENCY: UP TO 18 GHz
INSERTION LOSS: ≤ 1 db @ 18GHz
 - PART NUMBER SHALL BE IDENTIFIED BY BASE PART NUMBER, TRANSITION MATERIAL, SHELL SIZE/CONTACT ARRANGEMENT, KEY PATTERN AND SMA CONNECTOR DIELECTRIC MATERIAL.

ORDER ACCORDING TO THE FOLLOWING

EXAMPLE: PAE38999S23-BMA-L- MMM - SS-CA - K - D

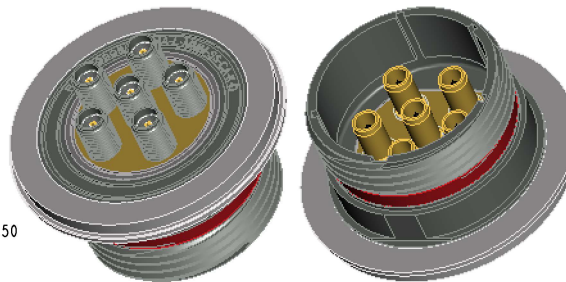
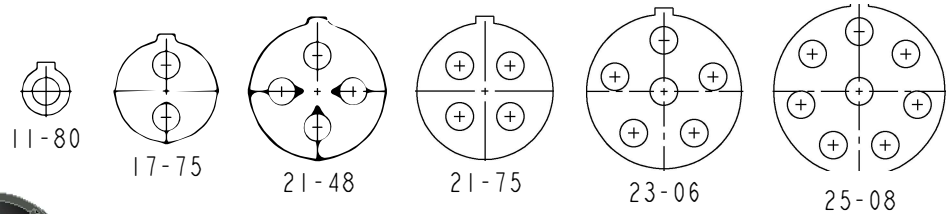
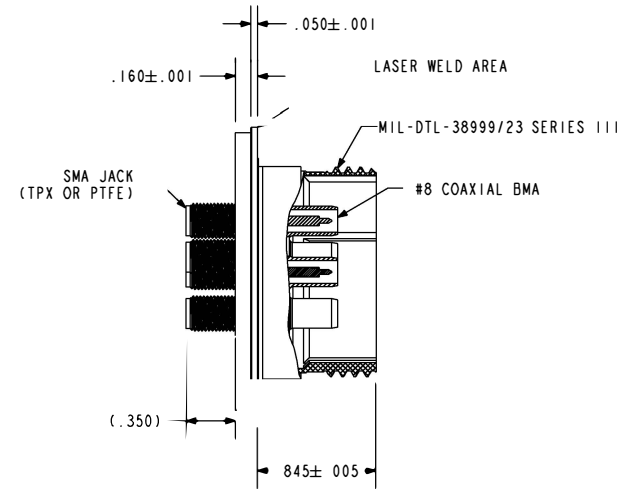
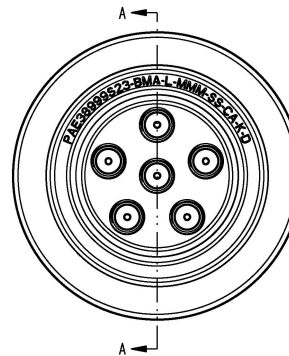
- SMA DIELECTRIC MATERIAL
 - T = TPX
 - P = PTFE (TEFLON)
- KEYWAY PATTERN
 - N
 - A
 - B
 - C
 - D
 - E
- SHELL SIZE AND CONTACT ARRANGEMENT
 - 11-80 (SHELL SIZE 11, 1 CONTACT)
 - 17-75 (SHELL SIZE 17, 2 CONTACTS)
 - 21-48 (SHELL SIZE 21, 4 CONTACTS)
 - 21-75 (SHELL SIZE 21, 4 CONTACTS)
 - 23-06 (SHELL SIZE 23, 6 CONTACTS)
 - 25-08 (SHELL SIZE 25, 8 CONTACTS)
- WELD TRANSITION MATERIAL
 - AL2 ALUMINUM 4032
 - AL7 ALUMINUM 4047
 - SST = STAINLESS 304L
 - TI = TITANIUM GRADE
- BASE PART NUMBER

MATERIALS:

- SHELL AND SMA BARREL: STAINLESS 304L (PASSIVATED)
- FEEDTHRU INSERT: KOVAR ASTM-F15
- BMA OUTER CONTACT: BERYLIUM COPPER ASTM-B196/197
- BMA CENTER PIN: KOVAR ASTM-F15
- INSULATOR: 7070 GLASS
- TRANSITION RING OPTIONS:
 - ALUMINUM 4032
 - ALUMINUM 4047
 - STAINLESS 304L
 - TITANIUM GRADE

- BMA PLATING:
 - Ni PLATE PER AMS-QQ-N-290, .000100/.000250 THICK
 - GOLD PLATE PER ASTM-B488, TYPE III CODE A, .000050/.000150

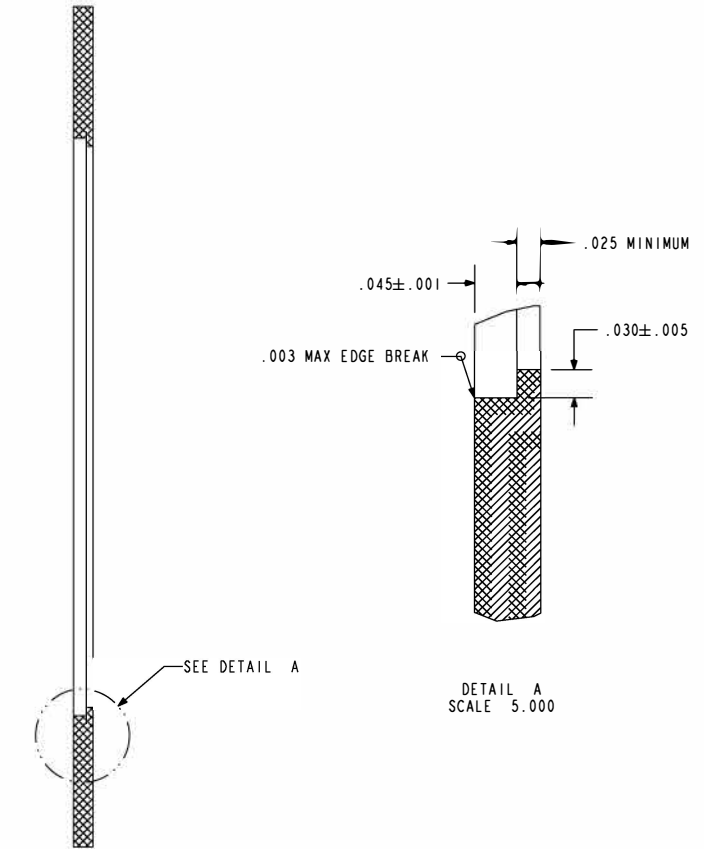
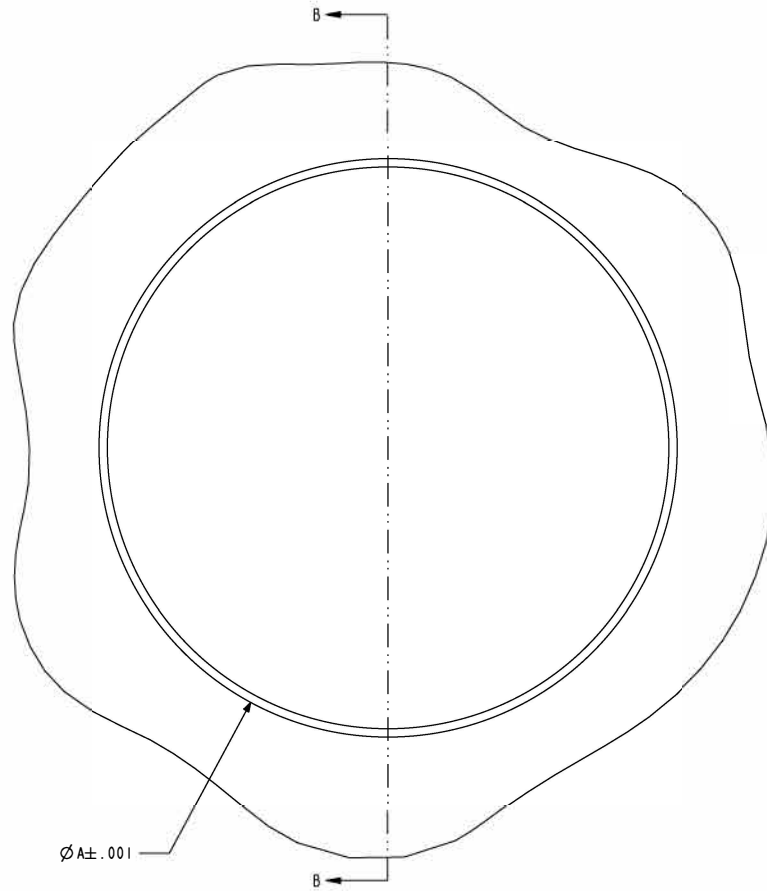
SEE PAGE 2 FOR RECOMMENDED HOLE DETAIL.



HERMETIC SOLUTIONS GROUP
Enabling Technology

TITLE:	RECEPTICAL, 38999/23, SERIES III, SMA/BMA, LASER WELDABLE	THIRD ANGLE PROJECTION
JIC:	EAR	
VERSION:	A. -	RELEASE DATE:
SALES DRAWING	02-04-15	CAGE CODE:
64567	SCALE:	SHEET:
0.500	1 OF 2	DOCUMENT:
		0-PAE38999S23-BMA-L

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SECTION B-B

DETAIL A
SCALE 5.000

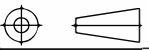
RECOMENDED HOLE DETAIL

SHELL SIZE	A
11	1.255
17	1.629
21	1.940
23	2.066
25	2.192



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