DOCUMENT: 0-PAE38999S23-BMA-L

NOTES:

1. DESIGNED TO BE INSTALLED BY LASER WELDING.
2. SHELL INTERFACE PER MIL-DTL-38999/23 SERIES III
3. CONTACT, ATMOSPHERIC SIDE: #8 BMA COAXIAL PER MIL-STD-348
4. CONTACT, HERMETIC SIDE: SMA PER MIL-STD-348
5. HERMETIC LEAK RATE: <= 1 X 10^{-9} CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
6. 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.
7. INSULATION RESISTANCE - GREATER THAN 5,000 MEGOHMS AT 50±10% VDC AT 25°C IAW MIL-STD-1344, METHOD 3003.
8. ELECTRICAL PERFORMANCE
   IMPEDANCE: 50 OHMS NOMINAL
   OPERATIONAL FREQUENCY: UP TO 18 Ghz
   INSERTION LOSS: <= 1db @ 18Ghz
9. 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

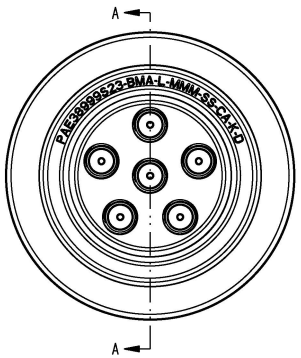
- SMA DIELECTRIC MATERIAL
  - -T = TPX
  - -P = PTFE (TEFLON)
- KEYWAY PATTERN
  - -N
  - -A
  - -B
  - -C
  - -D
  - -E
- SHELL SIZE AND CONTACT ARRANGEMENT
  - -11-80 (SHELL SIZE 11, 1 CONTACT)
  - -17-75 (SHELL SIZE 17, 2 CONTACTS)
  - -21-48 (SHELL SIZE 21, 4 CONTACTS)
  - -21-75 (SHELL SIZE 21, 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

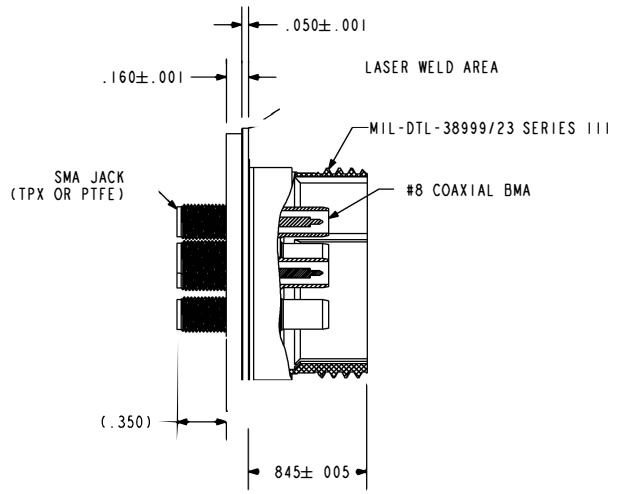
MATERIALS:

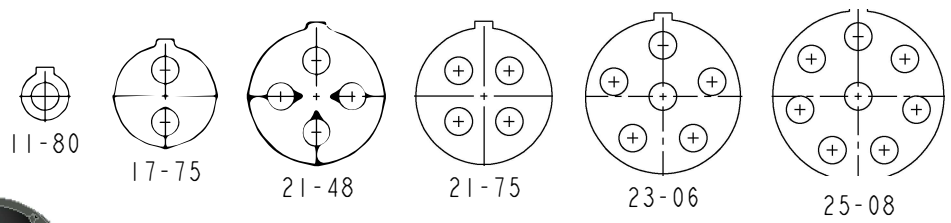
SHELL AND SMA BARREL: STAINLESS 304L (PASSIVATED)
FEEDTHRU INSERT: KOVAR ASTM-F15
BMA OUTER CONTACT: BERYLIUM COPPER ASTM-B196/197
BMA CENTER PIN: KOVAR ASTM-F15
INSULATOR: 7070 GLASS
TRANSITION RING OPTIONS:
- ALUMINUM 4032
- ALUMINUM 4047
- STAINLESS 304L
- TITANIUM GRADE

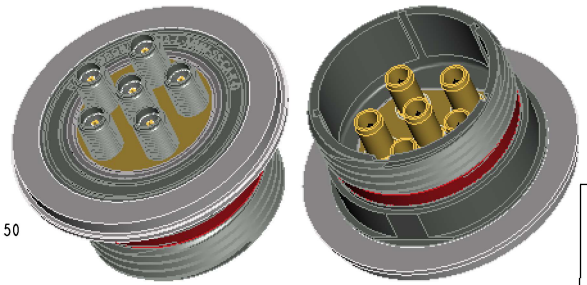
BMA PLATING:
Ni PLATE PER AMS-QQ-N-290, .000100/.000250 THICK
GOLD PLATE PER ASTM-B488, TYPE III CODE A, .000050/.000150

SEE PAGE 2 FOR RECOMENDED HOLE DETAIL.





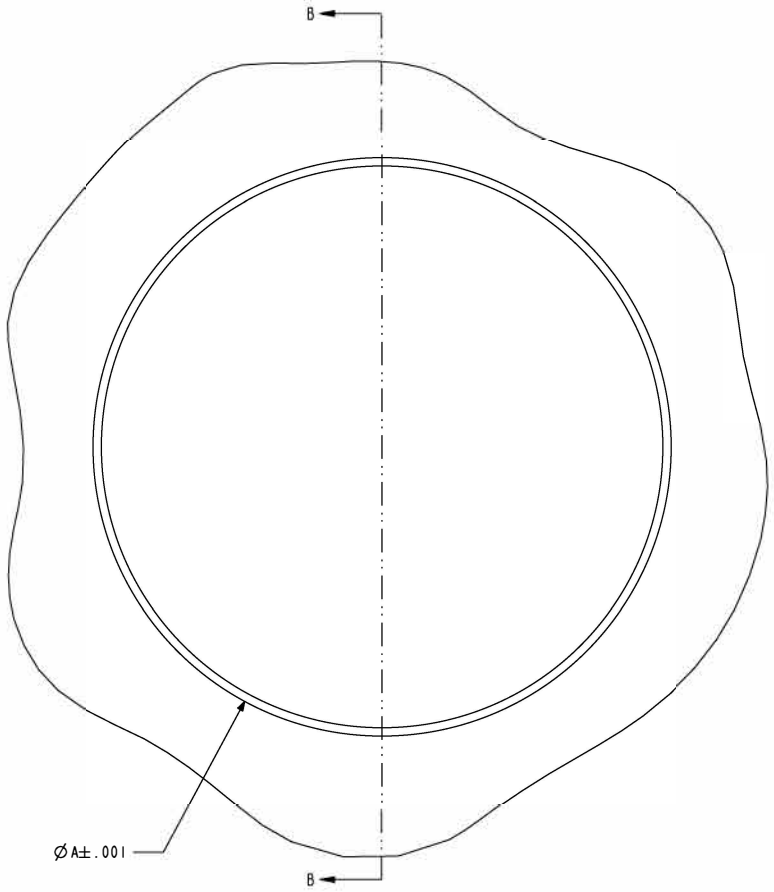


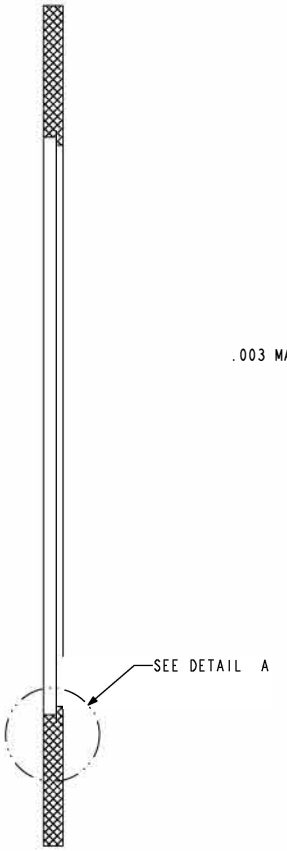


HERMETIC SOLUTIONS GROUP
Enabling Technology

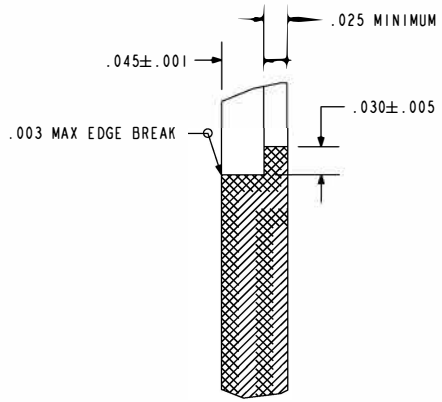
TITLE: RECEPTICAL, 38999/23, SERIES III, SMA/BMA, LASER WELDABLE					THIRD ANGLE PROJECTION
					J/C: EAR
VERSION: A.-	RELEASE DATE: 02-04-15	SALES DRAWING	CAGE CODE: 64567	SCALE: 0.500	SHEET: 1 OF 2
					DOCUMENT: 0-PAE38999S23-BMA-L

A





SECTION B-B



DETAIL A
SCALE 5.000

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

RECOMENDED HOLE DETAIL

Pacific Aerospace & Electronics, Inc
434 Olds Station Rd. Wenatchee, Washington 98801
WWW.PACAERO.COM

TITLE: RECEPTICAL, 38999/23, SERIES III, SMA/BMA, LASER WELDABLE

THIRD ANGLE PROJECTION

EAR

CAGE CODE: 64567

SHEET: 2 OF 2

DOCUMENT: 0-PAE38999S23-BMA-L