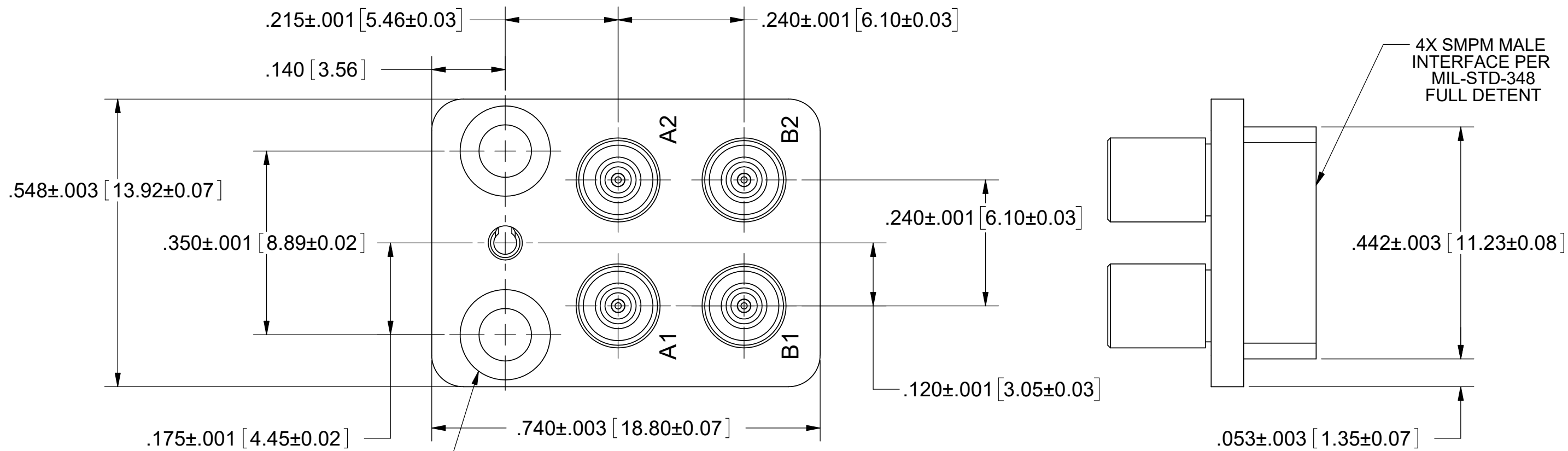


PRODUCT DATA DRAWING

REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
B	DCN 42423	06/16	STW
C	DCN 48135	11/18	STW



2X ϕ .100 THRU
 \surd 100° INCL. TO ϕ .172

4X
 ϕ .160±.002 [4.06±0.05]

4X
 SMPM MALE INTERFACE
 PER MIL-STD-348
 CATCHERS MIT

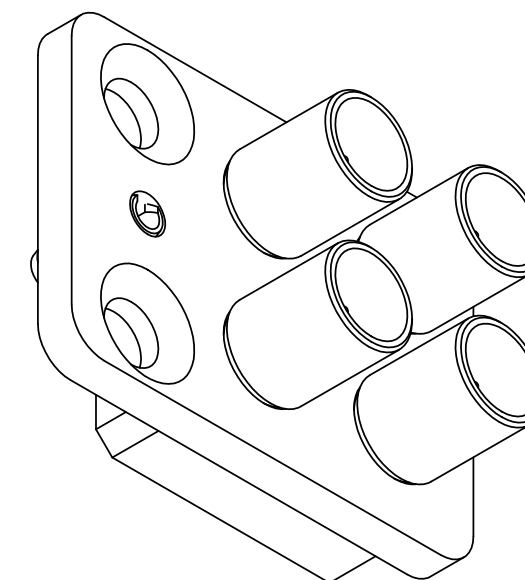
4X
 (.259 [6.58])

(2X .125 [3.18])

ϕ .065±.001 [1.65±0.03]
 ALIGNMENT PIN

.245±.003 [6.22±0.07] .460±.003 [11.68±0.08]

- MATERIAL:**
- FLANGE:** STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1.
- SPRING PINS:** STAINLES STEEL PER ASTM A313, ALLOY UNS S30200, TYPE 302.
- CONTACTS & SMPM BODIES:** BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04.
- INSULATORS:** PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B.
- FINISH:**
- FLANGE & SPRING PINS:** PASSIVATED PER AMS-2700.
- CONTACTS & SMPM BODIES:** GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27, OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.
- PERFORMANCE:**
- IMPEDANCE:** 50 OHMS
- FREQ. RANGE:** DC TO 18.0 GHZ
- VSWR:** 1.30:1 DC TO 18.0 GHZ
- INSERTION LOSS:** .03 X SQRT(F IN GHZ))
- DWV:** 1000 VRMS
- OPERATING TEMP.:** -55°C TO +125°C
- ENGAGEMENT:** 2.5 LBS MIN CATCHERS MIT
 4.5 LBS MIN FULL DETENT
- DISENGAGEMENT:** 1.5 LBS MAX.CATCHERS MIT
 6.5 LBS MAX. FULL DETENT

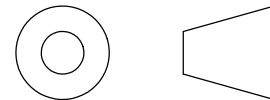


MATERIAL:	SEE NOTES
FINISH:	SEE NOTES
DO NOT SCALE DRAWING	
PROPRIETARY	
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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 ANGULAR: \pm 1°
 ONE PLACE DECIMAL \pm .030
 TWO PLACE DECIMAL \pm .010
 THREE PLACE DECIMAL \pm .005

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED:

- ALL DIMENSIONS ARE AFTER PLATING.
- BREAK CORNERS & EDGES R.005 MAX.
- CHAMFER 1ST AND LAST THREAD.
- SURFACE ROUGHNESS 63 PER MIL-STD-10.
- DIA'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
- REMOVE ALL BURRS.

DRAWN:	JMC 01/05/11
CHECKED:	STW 01/06/11
APPROVED:	STW 01/06/11
E.M. SIMULATION:	N/A

SV Microwave, Inc. <small>2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409</small>			
TITLE: VITA 67.1 BACKPLANE 4 PORT MODULE			
SIZE	CAGE CODE	DWG. NO.	
C	95077	SF1132-6037	
SCALE: 5:1		SHEET 1 OF 1	