

ROHS COMPLIANT		REVISION HISTORY			
		REV	DESCRIPTION	DATE	APPROVED
		-	NRN 34838	07/08	STW

PRODUCT DATA DRAWING

Technical drawing of a snap-in connector. The side view shows a cylindrical body with a flange. Dimensions include a total length of .278 [7.06], a flange width of .080 [2.03], a body diameter of $\phi .156$ [3.96], and a panel hole diameter of $\phi .146$ [3.71]. The cross-sectional view shows a 2X wall thickness, a hole diameter of $\phi .178$ [4.52], and a hole depth of $.052 \pm .001$ [1.32 $\pm$ 0.03]. A note indicates 'FOR .093 PANEL'.

MATERIAL:

BODY:

STAINLESS STEEL PER AMS-5640, UNS S30300 (TYPE 1)

SLEEVE,
CONTACT &
RETAINING RING:

BERYLLIUM COPPER PER ASTM B196,
ALLOY No. UNS C17300, TD04

INSULATOR:

PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

FINISH:

BODY:

PASSIVATED PER AMS-QQ-P-35, TYPE II

SLEEVE,
CONTACT &
RETAINING RING:

GOLD PER ASTM B 488, 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 40.0 GHz

VSWR:

1.25:1 DC TO 26.5 GHz
1.35:1 DC TO 40.0 GHz

DWV:

325 VRMS

OPERATING TEMP.:

-55°C TO +125 °C

Technical drawing of a recommended panel hole. It shows a cylindrical hole with a diameter of $\phi .160 \pm .001$ [4.06 $\pm$ 0.03] and a hole depth of $\phi .1715 \pm .0015$ [4.36 $\pm$ 0.04]. The hole has a chamfer with a 30° angle and a width of $.093 \pm .002$ [2.36 $\pm$ 0.05].

RECOMMENDED PANEL HOLE

MATERIAL:	SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: $\pm 1/64$ ANGULAR: X° $\pm 1^{\circ}0'$ X°X' $\pm 15'$ DECIMAL: .X $\pm .030$.XX $\pm .010$.XXX $\pm .005$ INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994	UNLESS OTHERWISE SPECIFIED 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) 2) ALL DIMENSIONS ARE AFTER PLATING. 3) BREAK CORNERS & EDGES .005 R. MAX. 4) CHAM. 1ST & LAST THREADS. 5) SURFACE ROUGHNESS 63+MIL-STD-10. 6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 7) REMOVE ALL BURRS	SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409 TITLE: SMPM MALE FD SNAP-IN FOR .093 PANEL FOR $\phi .047$ S.R. CABLE		
FINISH:	SEE NOTES					
SURFACE AREA:	N/A					
PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED.		THIRD ANGLE PROJECTION	DRAWN:	DAL 07/07/08	SIZE: B CAGE CODE: 95077 DWG. NO. 3202-6000	
			CHECKED:	STW 07/07/08	SCALE: 14:1	
			APPROVED:	STW 07/07/08	SHEET 1 OF 1	