

ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
-	REL. NRN 35514	09/17/09	STW
A	REV. DCN 37481	04/19/10	PJS
B	DCN 39509	11/12	STW

Technical drawing of an SMPS Male Full Detent connector. The drawing shows a side view of the component with various dimensions and features labeled. Key dimensions include: overall length .252 [6.40], overall width $\phi .104$ [2.64], and a smaller width $\phi .077$ [1.96]. A feature labeled 'SMPS MALE INTERFACE FULL DETENT' points to a specific part of the connector. A dimension of .158 [4.01] is shown 'TO CABLE STOP'. A feature labeled 'RP' is also indicated. A note at the bottom left states: (.049 [1.24]).

MATERIAL:

BODY & CONTACT:

INSULATOR:

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

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

FINISH:

BODY & CONTACT:

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:

VSWR:

50 OHMS

1.20:1 DC TO 40.0 GHz TYPICAL

1.30:1 TO 65.0GHz TYPICAL

INSERTION LOSS:

DWV:

OPERATING TEMP.:

.12 X SQRT(F(F IN GHz))

250 VRMS

-55°C TO +125 °C

ENGAGEMENT:

2.0 LBS TYPICAL

DISENGAGEMENT:

2.0 LBS TYPICAL

MATERIAL:	SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: $\pm 1/64$ ANGULAR: X° $\pm 1'0''$ 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	
FINISH:	SEE NOTES			TITLE: SMPS MALE FULL DETENT FOR $\phi .047$ SEMI-RIGID CABLE	
SURFACE AREA:	N/A			SIZE B	CAGE CODE 95077
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: JMC 08/11/09	SCALE: 20:1	
		CHECKED: STW 09/17/09	APPROVED: STW 09/17/09		

SHEET 1 OF 1

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