NOTES:

THIRD ANGLE PROJ.

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	13-Jun-14		NL
B	TITLE WAS CHANGED, ADDED PART NO. PSMP-MSLD-PCTEM ADDED RECOMMENDED MOUNTING HOLE	03-Dec-15	50842	SW

1. MATERIALS AND FINISHES:

BODY - BRASS, GOLD PL. .000008"[0.2um] THICK OVER PHOSPHORUS CONTENT 9%~13% ELECTROLESS NICKEL PL. .000100"[2.5um] THICK OVER MIN PL..000025"[0.64um] COPPER.
CONTACT - BRASS, GOLD PL. .000008"[0.2um] THICK OVER PHOSPHORUS CONTENT 9%~13% ELECTROLESS NICKEL PL. .000100"[2.5um] THICK OVER MIN PL..000025"[0.64um] COPPER.
INSULATOR - LCP

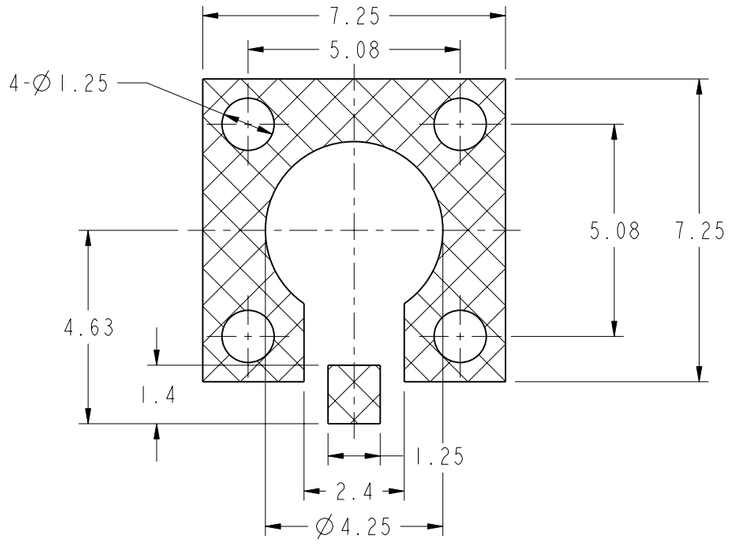
2. ELECTRICAL:

A. IMPEDANCE:50 OHM
B. FREQUENCY RANGE: DC-10 GHz
C. RETURN LOSS: 30 dB MIN.@ DC-4 GHz
25 dB MIN.@ 4-6 GHz
D. INSERTION LOSS: $0.03X\sqrt{f(GHz)}$ dB MAX.
E. INSULATION RESISTANCE:5 GΩ MIN.
F. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN.
G. POWER HANDLING:200 W MAX.@ 2.2 GHz AT 20°C, SEA LEVEL,VSWR 1.0
H. INTERMODULATION(3rd order):160 dBc MIN.@ (2X43dBm)

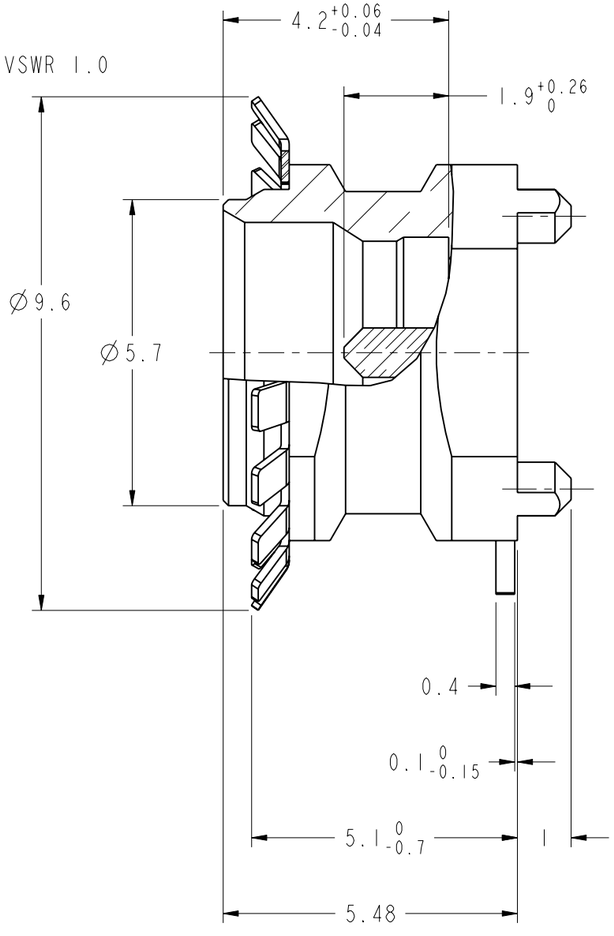
3. MECHANICAL:

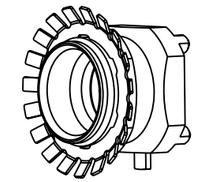
A. MATING CYCLES:100 MIN.
B. ENGAGEMENT FORCE: 45 N MAX
C. DISENGAGEMENT FORCE: 15 N MIN
D. INNER CONTACT RETENTION FORCE: 7 N MIN
E. TEMPERATURE RANGE: -65° C TO 165° C

4. ALLOWABLE COMPRESSION OF EMI RING: 0.4 MM MAX.

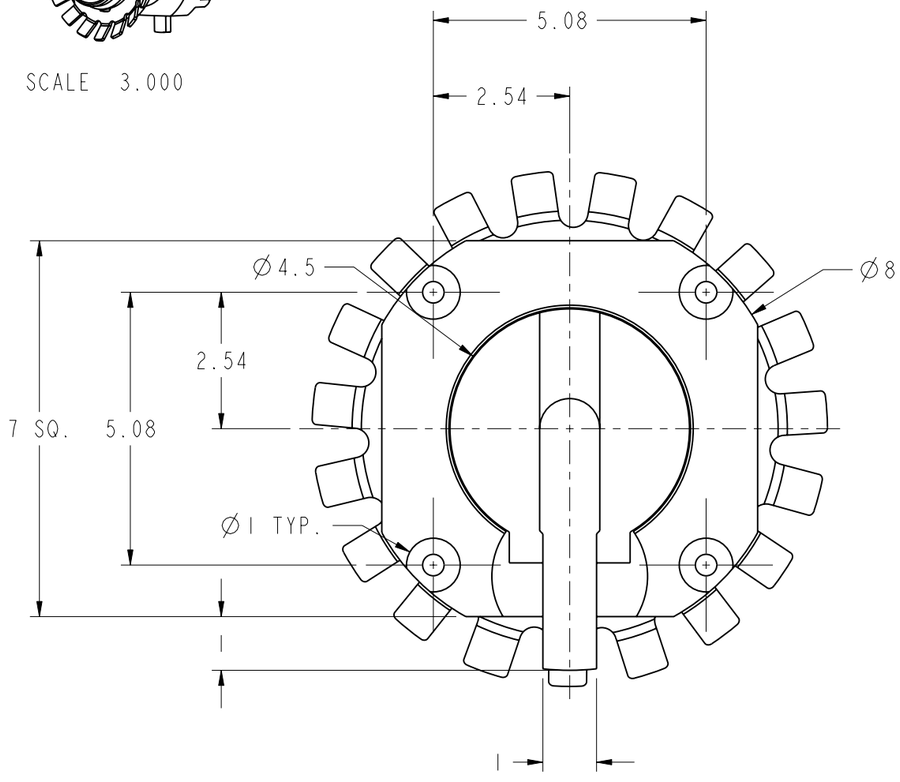


RECOMMENDED MOUNTING HOLE





SCALE 3.000



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm ± 0.05mm | 0.5 - 6mm ±0.1mm | 6 - 30mm ±0.2mm | 30 - 120mm ± 0.3mm | ANGLES ±1°

MATERIAL

REFERENCE
EAR04936
119S10C-40ML5

FINISH

DRAWN STAMN	DATE 03-Dec-15	
ENGINEER F.WANG	DATE 13-Jun-14	
APPROVED RICKSON	DATE 03-Dec-15	
CAD FILE		

TITLE
POWER-SMP
STRAIGHT MALE FOR PCB
LIMITED DETENT

SCALE: 8.0:1.0 | SHEET 2 OF 2

DWG SIZE B | REV B

Amphenol RF
www.amphenolrf.com

DRAWING NO. PSMP1251D1-001-8GPAP8GPA-50
ITEM NO. 671251ABFA12C5F
PART NO. PSMP-MSLD-PCTEM