

DESCRIPTION

PMI MODEL: PAT-10G40G-60-T-GPO IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 10 TO 40 GHz
- INSERTION LOSS:..... 6dB MAX
- INSERTION LOSS FLATNESS:.... ±1dB TYPICAL OVER FULL BAND.
- ISOLATION:..... 60dB MIN
CENTRAL FREQ. 15–35 GHz IS CRITICAL
- VSWR:..... 2.0:1 MAX
- POWER HANDLING:..... >200mw CW (+23dBm CW)
- SWITCHING SPEED:..... 10% TO 90% ; 30nsec typical
- CONTROL:..... TTL CONTROL – SEE LOGIC TABLE
- POWER SUPPLY:..... +5VDC @ 100 mA MAX
 -5VDC @ 100 mA MAX
- CONNECTORS:..... GPO (M) LIMITED DETENT
- CONTROL/POWER:..... SOLDER PINS
- SIZE:..... (L) 1.25” X (W) 1.25” X (H) 0.50”
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202G, METHOD 107G COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

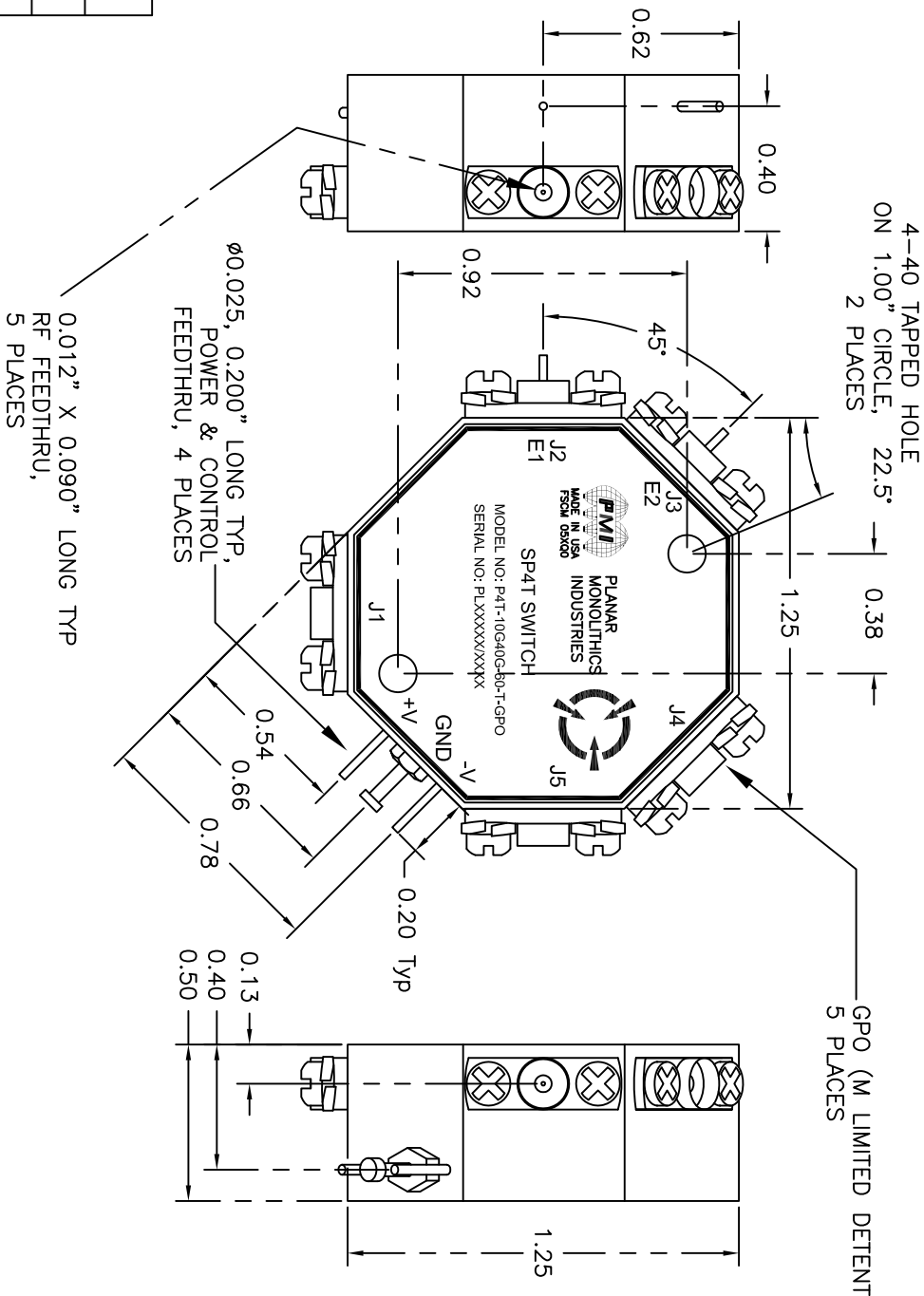
X.XX ±0.010

X.XXX ±0.005

LOGIC TABLE		
2 BIT DECODER		
E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

MECHANICAL OUTLINE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	10/15/12	
	B	MOVED CONTROL PINS	11/15/12	
	C	RF PIN CHANGED FROM 0.015 TO 0.012	11/28/12	



CONFIDENTIAL & PROPRIETARY

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TITLE		PRODUCT FEATURE			
APPROVALS	DATE	PAT-10G40G-60-T-GPO			
DRAWN <i>gfk</i>	10/15/12				
CHECKED		SIZE	FSCM NO.	DWG NO.	REV.
ISSUED		A	05XQ0	27017761	C
SCALE		N:S		SHEET	1 OF 1