

DESCRIPTION:

PMI MODEL NUMBER P4T-12G18G-60-5/5-SFF IS A SINGLE POLE, FOUR THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 12GHZ TO 18GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- FREQUENCY: 12.0 GHz TO 18.0 GHz
- INSERTION LOSS: 3.0dB TYPICAL
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1
- SPEED: 50ns MAXIMUM
- POWER INPUT: 500 mW CW MAXIMUM
- CONTROL: TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 120 mA NOMINAL
-5V @ 45 mA NOMINAL
- CONNECTORS: SMA FEMALE CONNECTORS
- CONNECTORS: MICRO SUB-D 9 PIN

PIN OUT TABLE	
Pin No.	Function
1	E1
2	E2
3	N/C
4	N/C
5	N/C
6	GND
7	+V
8	-V
9	GND

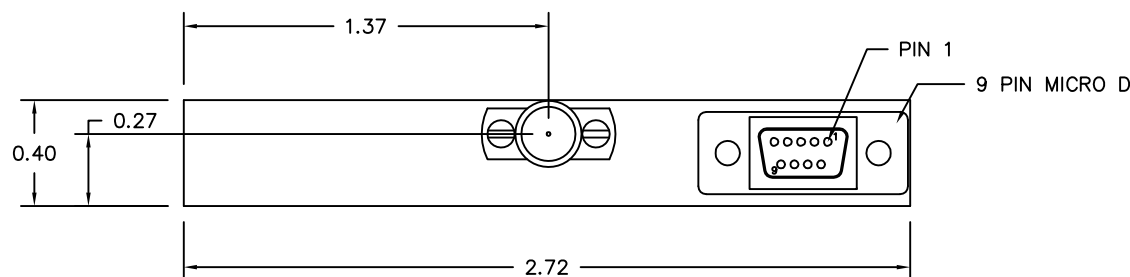
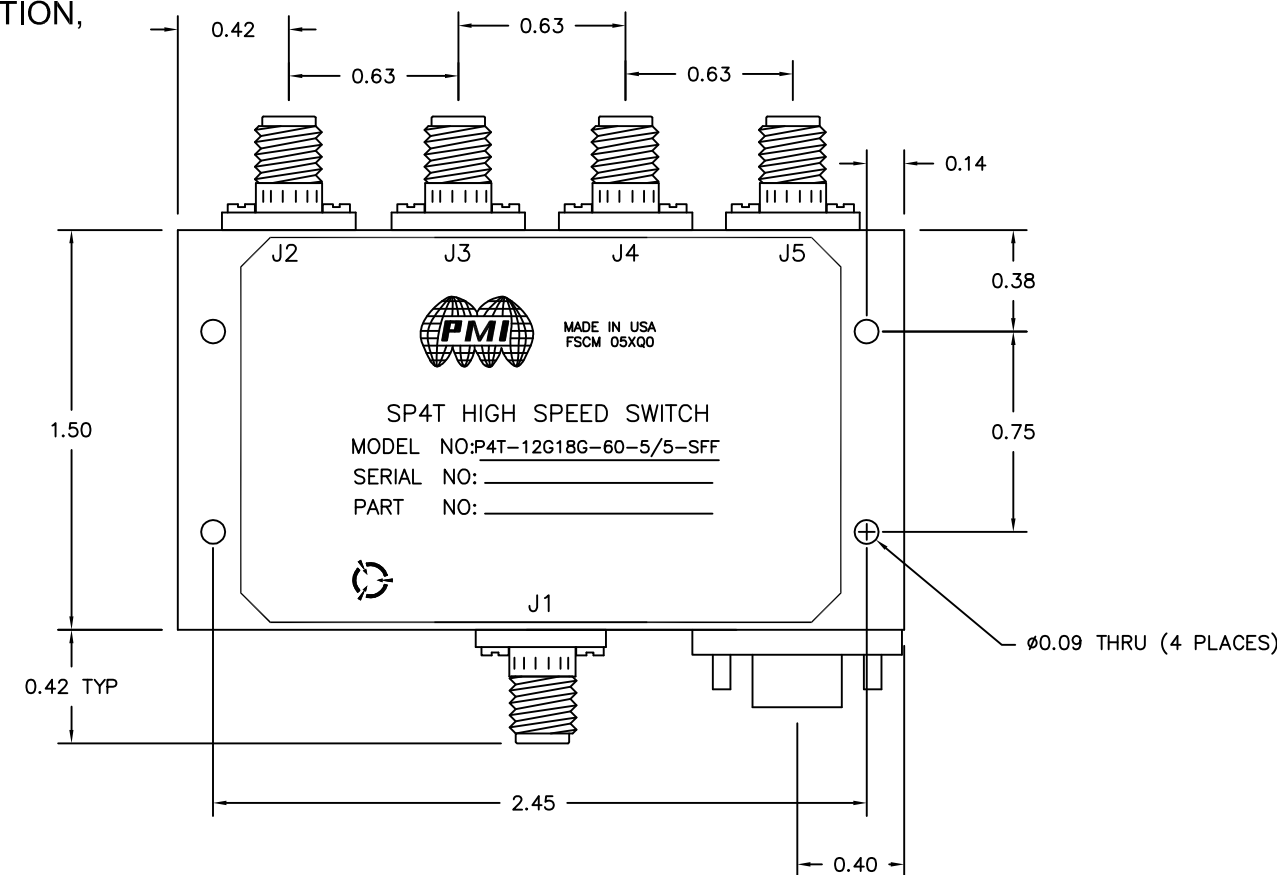
LOGIC TABLE		
2 BIT DECODER		
E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	1/22/10	



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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APPROVALS		DATE	TITLE			
DRAWN <i>KM</i>		1/22/10	PRODUCT FEATURE			
CHECKED			P4T-12G18G-60-5/5-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27012921	A
			SCALE	SHEET		
			N:S	1 OF 1		