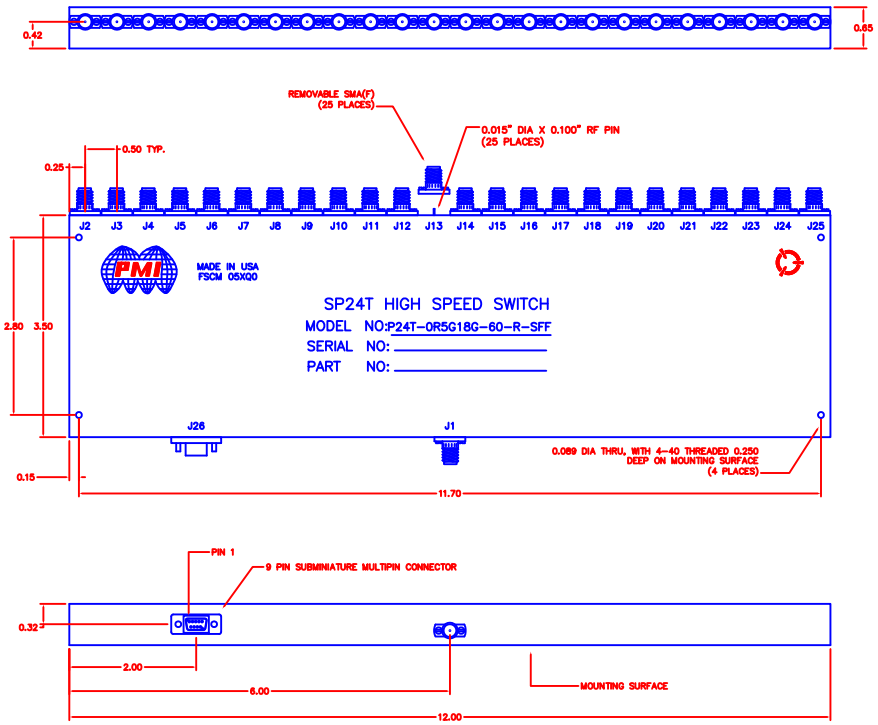
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	1/11/11	

DESCRIPTION:

PMI MODEL NUMBER P24T-0R5G18G-60-R-SFF IS A SINGLE POLE, TWENTY-FOUR THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 500MHZ TO 18GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 7.5dB MAX.
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAX.
- SPEED: 100ns MAXIMUM
- POWER INPUT: +20dBm CW MAXIMUM
- CONTROL: 5 BIT - TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 1200mA NOMINAL
  -5V @ 100mA NOMINAL
- CONNECTORS: SMA FEMALE CONNECTORS
- CONNECTORS: MICRO SUB-D 9 PIN



PIN OUT TABLE	
Pin No.	Function
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

LOGIC TABLE					
5 BIT DECODER					
E1	E2	E3	E4	E5	FUNCTION
0	0	0	0	0	J1-J2 "Low Loss"
0	0	0	0	1	J1-J3 "Low Loss"
0	0	0	1	0	J1-J4 "Low Loss"
0	0	0	1	1	J1-J5 "Low Loss"
0	0	1	0	0	J1-J6 "Low Loss"
0	0	1	0	1	J1-J7 "Low Loss"
0	0	1	1	1	J1-J8 "Low Loss"
0	1	0	0	0	J1-J9 "Low Loss"
0	1	0	0	1	J1-J10 "Low Loss"
0	1	0	1	0	J1-J11 "Low Loss"
0	1	0	1	1	J1-J12 "Low Loss"
0	1	1	0	0	J1-J13 "Low Loss"

LOGIC TABLE - CONT					
5 BIT DECODER					
E1	E2	E3	E4	E5	FUNCTION
0	1	1	0	1	J1-J14 "Low Loss"
0	1	1	1	0	J1-J15 "Low Loss"
0	1	1	1	1	J1-J16 "Low Loss"
1	0	0	0	0	J1-J17 "Low Loss"
1	0	0	0	1	J1-J18 "Low Loss"
1	0	0	1	0	J1-J19 "Low Loss"
1	0	0	1	1	J1-J20 "Low Loss"
1	0	1	0	0	J1-J21 "Low Loss"
1	0	1	0	1	J1-J22 "Low Loss"
1	0	1	1	0	J1-J23 "Low Loss"
1	0	1	1	1	J1-J24 "Low Loss"
1	1	0	0	0	J1-J25 "Low Loss"

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +95°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
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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ISO 9001:2008 CERTIFIED

APPROVALS	DATE
DRAWN KM	1/11/11
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P24T-0R5G18G-60-R-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	–

SCALE N:S SHEET 1 OF 1