

**DESCRIPTION:**

PMI MODEL PEC-100M6G-3T-SFF-ROHS IS A SINGLE POLE, THREE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 100 MHz TO 6 GHz FREQUENCY RANGE

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 100 MHz TO 6 GHz (OPTIMIZED FOR 640 MHz)
- INSERTION LOSS:..... 2.0 dB MAX @ 640 MHz
- VSWR:..... 2.0:1 MAX
- ISOLATION:..... 70 dB MIN
- P1dB:..... +23 dBm MIN
- SWITCHING SPEED:..... 100 ns MAX
- POWER SUPPLY:..... +5 VDC @ 250 mA MAX  
-12 VDC @ 120 mA MAX
- CONTROL LOGIC:..... TTL LOGIC, SEE TRUTH TABLE
- CONNECTORS:..... SMA FEMALE CONNECTORS
- FINISH:..... PAINTED BLUE
- ROHS/REACH:..... COMPLIANT

LOGIC TABLE		
TTL1	TTL2	PATH
0	0	J1-J4
0	1	J2-J4
1	0	J3-J4
1	1	UNDEFINED

**ENVIRONMENTAL RATINGS:**

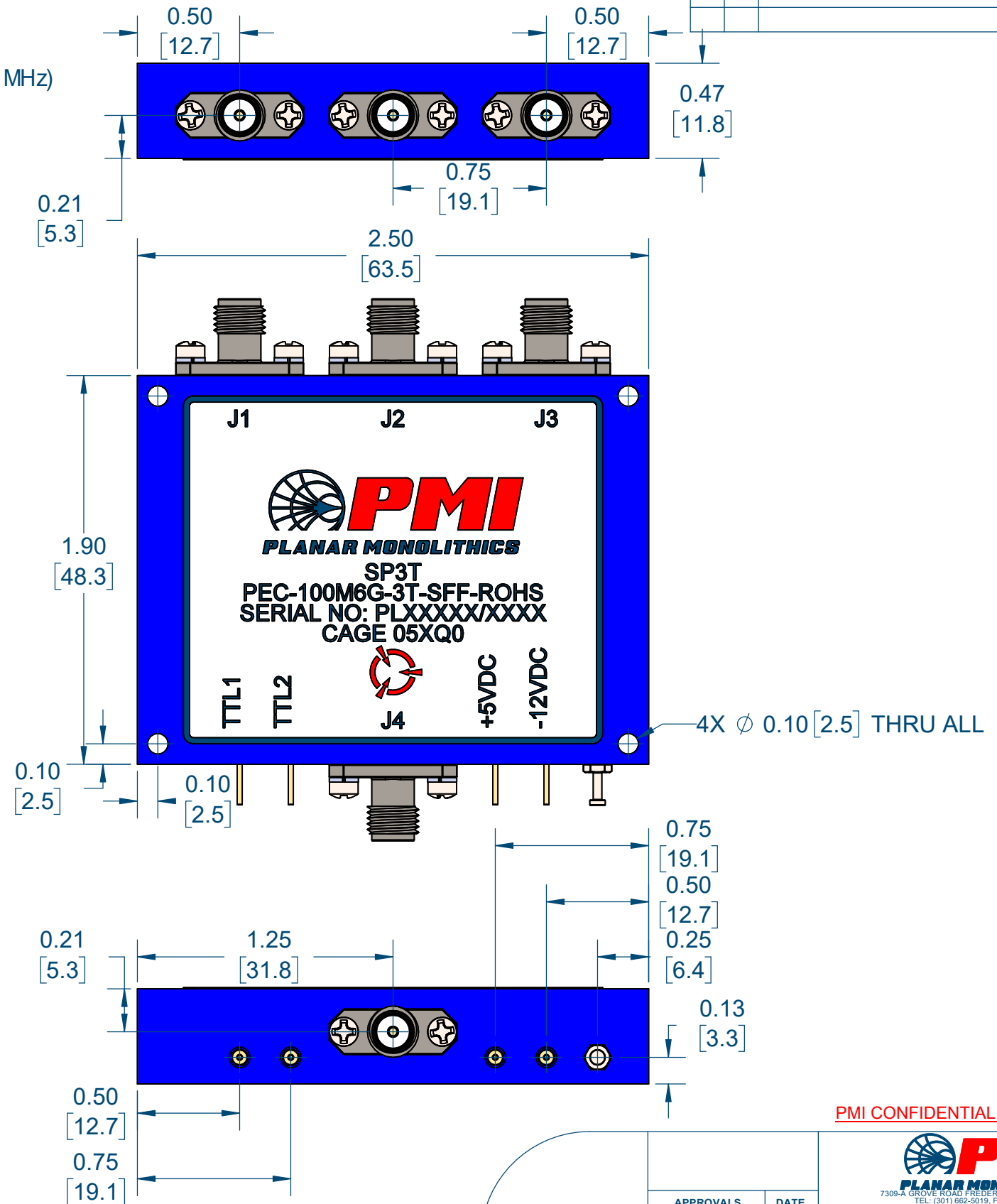
- TEMPERATURE:..... -45°C TO +85°C (OPERATING)  
-54°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. C
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- SALT FOG:..... MIL-STD-202, METHOD 101D+EST COND. B
- FUNGUS:..... MIL-STD-810, METHOD 508.5
- EMI/EMC:..... MIL-STD-461E

NOTE: ENVIRONMENTAL TESTING AND ESS WILL BE MET, BUT ACTUAL TESTING IS NOT DONE BY PMI

ACTUAL SCREENING IS AVAILABLE FOR AN ADDITIONAL CHARGE

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/27/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN <b>D. HOSCHAR</b> REDRAWN ISSUED		DATE 1/27/2026	TITLE OUTLINE PEC-100M6G-3T-SFF-ROHS		REV. A1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                    .XX ± 0.02                    ± .XXX ± 0.01	SIZE B	FSCM NO. 05XQ0	DWG NO. 27053900	SCALE 1.5:1	SHEET 1 OF 1

