

DESCRIPTION:

PMI MODEL P16T-100M27G-100-T-DEC IS A SINGLE POLE 16 THROW SOLID STATE ABSORPTIVE SWITCH OPERATING OVER THE 100 MHz TO 27 GHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL INSERTION LOSS OF 10 dB WHILE MAINTAINING A TYPICAL ISOLATION OF 70 dB.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.1 TO 27 GHz
- INSERTION LOSS:..... 8 dB MAX, 0.1-18 GHz
10 dB MAX, 18-27 GHz
- VSWR (IN/OUT):..... 2.5:1 MAX, 0.1-18 GHz
3:1 MAX, 18-27 GHz
- VSWR (OFF):..... 2.5:1 MAX, 0.1-18 GHz
3:1 MAX, 18-27 GHz
- ISOLATION:..... 70 dB MIN, 0.1-1 GHz
90 dB MIN, 1-18 GHz
80 dB MIN, 18-27 GHz
- INPUT POWER:..... 20 dBm CW MAX
- SWITCHING SPEED:..... 100 ns MAX
- DC VOLTAGE :..... 5 V @ 1100 mA
-12 V @ 720 mA
- CONTROL:..... TTL LOGIC SEE LOGIC TABLE
- CONNECTORS:..... 2.92 mm FEMALE
- FINISH:..... PAINTED BLUE
MOUNTING SURFACE
GOLD PLATED
- SIZE:..... 8.00" X 3.00" X 0.67"
- WEIGHT:..... 2 LBS

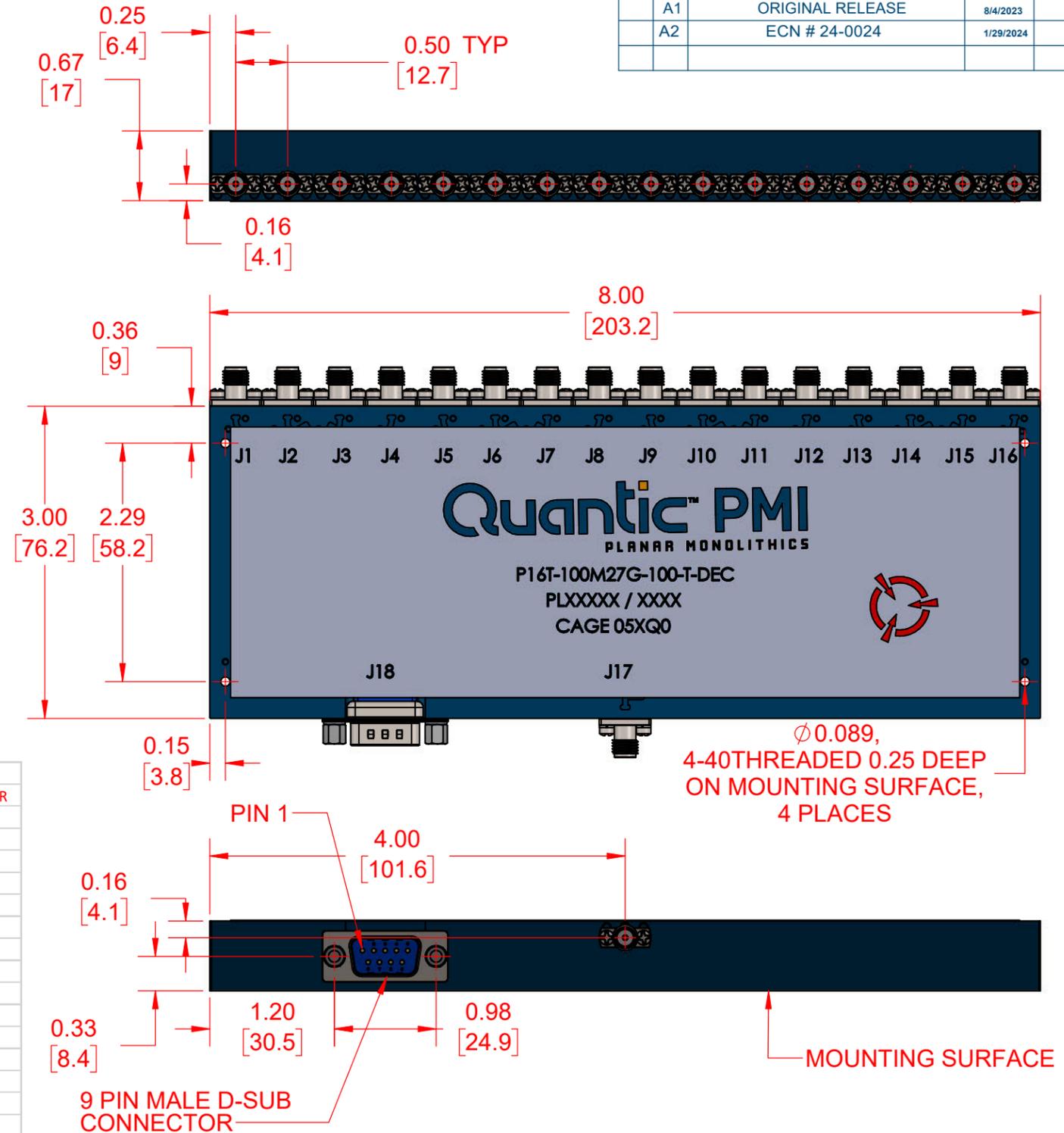
J18	
PIN	FUNCTION
1	CTRL 1
2	CTRL 2
3	CTRL 3
4	CTRL 4
5	N/C
6	+5 VDC
7	GND
8	GND
9	-12 VDC

LOGIC TABLE				
C1	C2	C3	C4	CONNECTOR
0	0	0	0	J1
0	0	0	1	J2
0	0	1	0	J3
0	0	1	1	J4
0	1	0	0	J5
0	1	0	1	J6
0	1	1	0	J7
0	1	1	1	J8
1	0	0	0	J9
1	0	0	1	J10
1	0	1	0	J11
1	0	1	1	J12
1	1	0	0	J13
1	1	0	1	J14
1	1	1	0	J15
1	1	1	1	J16

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/4/2023	
	A2	ECN # 24-0024	1/29/2024	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		APPROVALS		DATE	
FRACTIONS	DECIMALS	ANGLES					
±	.XX ± 0.010	±					
	.XXX ± 0.005						
MATERIAL:		DRAWN	S AZHAR	ISSUED		TITLE	OUTLINE
FINISH:		REDRAWN					P16T-100M27G-100-T-DEC
NEXT ASSY	USED ON					SIZE	B
						FSCM NO.	05XQ0
						DWG NO.	27046920
						REV.	A2
APPLICATION						SCALE	1:1
							SHEET 1 OF 1

PMI CONFIDENTIAL AND PROPRIETARY

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