

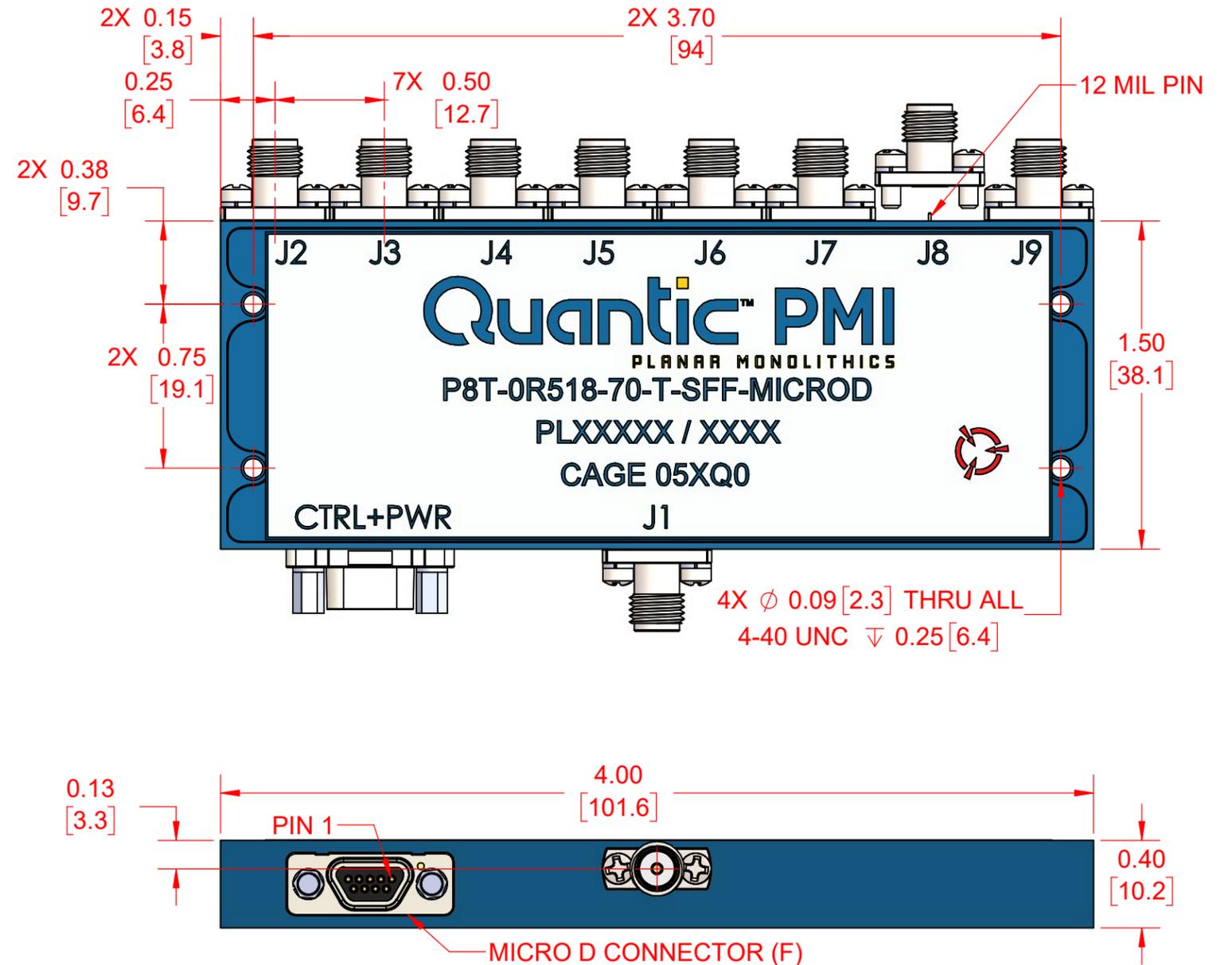
DESCRIPTION:

PMI MODEL P8T-0R518-70-T-SFF-MICROD IS A SINGLE POLE EIGHT THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.5 TO 18.0 GHz
- INSERTION LOSS:..... 5 dB MAX
- ISOLATION:..... 0.5 GHz TO 2 GHz: 60 dB MIN
2 GHz TO 18 GHz: 70 dB MIN
- VSWR:..... IN/OUT 2.0:1 MAX
TERMINATED OUT 2.0:1 MAX
- RISE/FALL TIME:..... 10 ns TYP, 15 ns MAX
- DELAY ON/OFF:..... 75 ns TYP, 100 ns MAX
- INPUT POWER:..... +20 dBm CW MAX
- SURVIVAL POWER:..... 1 WATT CW MAX (+30 dBm)
- POWER SUPPLY:..... +5 VDC @ 400 mA MAX
-5 VDC @ 100 mA MAX
- CONTROL:..... TTL LOGIC (SEE LOGIC TABLE)
- CONNECTORS:..... SMA (F) REMOVABLE
- CONTOL CONNECTOR:..... MICRO D CONNECTOR (F)
- SIZE:..... 4.00" (L) X 1.50" (W) X 0.40" (H)
- FINISH:..... PAINTED BLUE

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/10/23	
	B1	ECN # 24 - 0137	05/13/24	
	B2	ECN # 25-0240	8/15/25	



E1	E2	E3	FUNCTION
0	0	0	J1-J2 "LOW LOSS"
0	0	1	J1-J3 "LOW LOSS"
0	1	0	J1-J4 "LOW LOSS"
0	1	1	J1-J5 "LOW LOSS"
1	0	0	J1-J6 "LOW LOSS"
1	0	1	J1-J7 "LOW LOSS"
1	1	0	J1-J8 "LOW LOSS"
1	1	1	J1-J9 "LOW LOSS"

Pin	Function
1	E1
2	E2
3	E3
4	N/C
5	N/C
6	+VDC
7	GND
8	GND
9	-VDC

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 213B 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 107 COND. A

PMI CONFIDENTIAL AND PROPRIETARY

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	REISSUED		10/10/23	
FINISH:		ISSUED					
NEXT ASSY	USED ON						
APPLICATION							
TITLE				OUTLINE			
P8T-0R518-70-T-SFF-MICROD				P8T-0R518-70-T-SFF-MICROD			
SIZE	FSCM NO.	DWG NO.	REV.				
B	05XQ0	27047020	B2				
SCALE	1.5:1			SHEET 1 OF 1			

Quantic PMI
PLANAR MONOLITHICS

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