

DESCRIPTION:

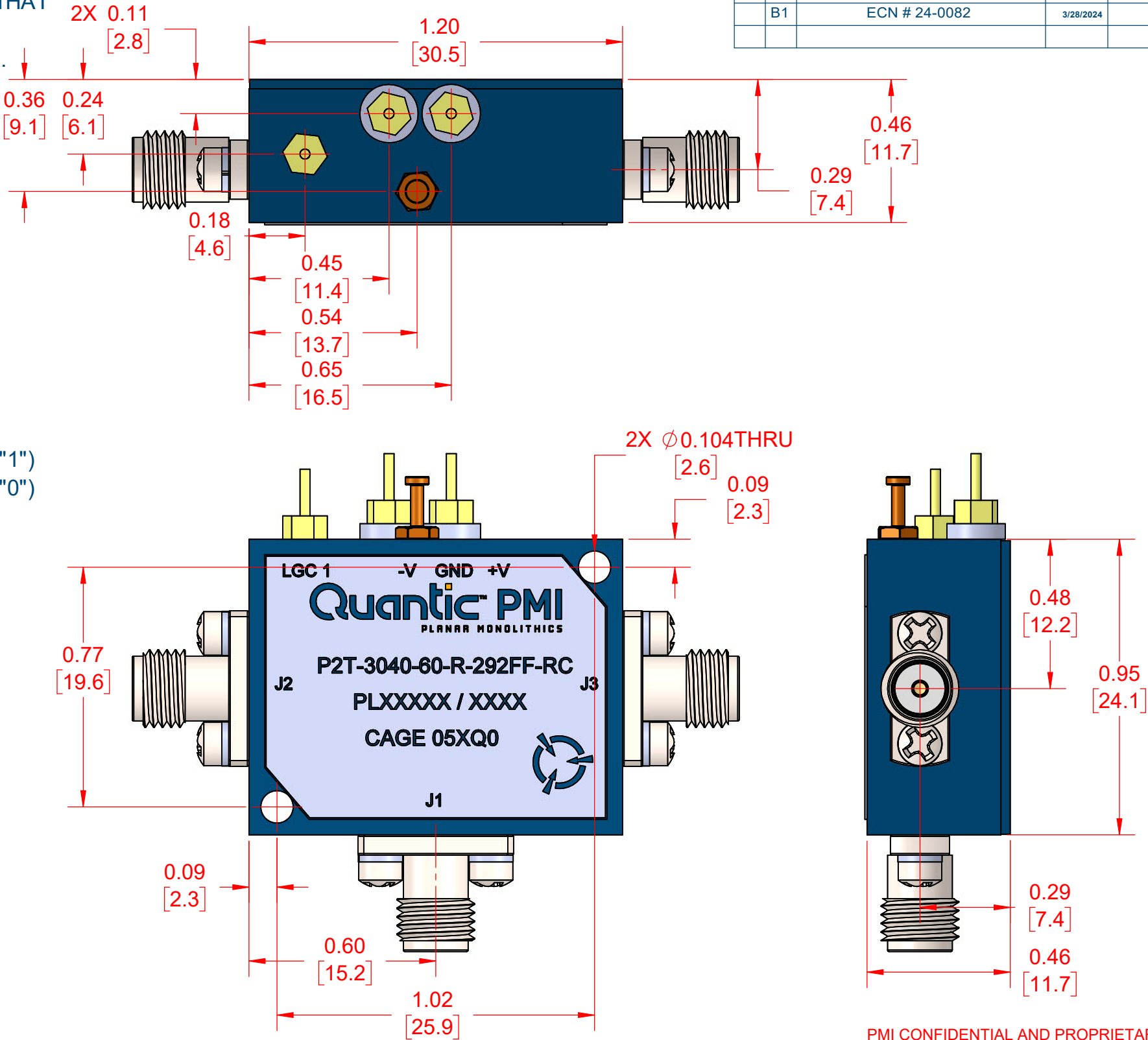
PMI MODEL P2T-3040-60-R-292FF-RC IS A SINGLE POLE, TWO THROW SWITCH THAT OPERATES OVER THE 30GHz TO 40GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 30 TO 40 GHz
- ISOLATION:..... 60 dB MIN
- INSERTION LOSS:..... 3.5 dB MAX @ 25°C
4.0 dB MAX OVER TEMP
- VSWR (ON POSITION):..... 2.0:1 TYP, 2.5:1 MAX
- SWITCHING SPEED:..... 100ns MAX
- RF POWER CAPABILITY:..... +20 dBm MAX
- POWER SUPPLY :..... +5VDC @ 75 mA TYP
-5VDC @ 50 mA TYP
- CONTROL SIGNAL:..... J1-J2 - ON (LGC1 "0"), J1-J2 - OFF (LGC "1")
J1-J3 - ON (LGC1 "1"), J1-J3 - OFF (LGC "0")
- CONNECTORS:..... 2.92mm FEMALE CONNECTORS
- CONTROL CONNECTIONS:..... SOLDER PINS
- SIZE:..... (L) 1.2" X (W) 0.95" X (H) 0.46"
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°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 107D COND. A



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		QUANTIC PMI PLANAR MONOLITHICS	
FRACTIONS	DECIMALS	ANGLES			
±	.XX ± 0.010 .XXX ± 0.005	±			
MATERIAL:		APPROVALS		DATE	
FINISH:		DRAWN		11/20/2023	
NEXT ASSY		REDRAWN			
USED ON		ISSUED			
APPLICATION					
				TITLE	
				OUTLINE	
				P2T-3040-60-R-292FF-RC\	
				SIZE	
				B	
				FSCM NO.	
				05XQ0	
				DWG NO.	
				27047600	
				REV.	
				B1	
				SCALE	
				2.5:1	
				SHEET 1 OF 1	