

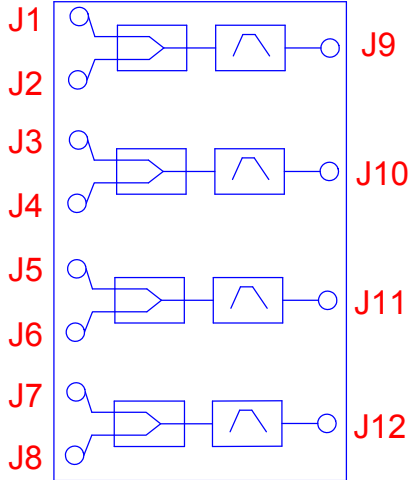
DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PIMA-26-4C-PD2-BPF IS AN INTEGRATED MICROWAVE ASSEMBLY CONSISTING OF 4 INDEPENDENT CHANNELS. EACH CHANNEL INCORPORATES A 2-WAY POWER DIVIDER AND A BANDPASS FILTER.

SPECIFICATIONS:

- EACH CHANNEL
- FREQUENCY:..... 2 - 6 GHz
 - INSERTION LOSS:..... 4.5 dB MAX (ABOVE 3 dB)
 - VSWR:..... 2.0 : 1 MAX
 - ISOLATION:..... 15 dB MIN
 - AMPLITUDE BALANCE (3-5 GHz):..... ± 0.5 dB MAX, ± 0.1 dB GOAL
 - PHASE BALANCE (3-5 GHz):..... ± 5° MAX, ± 1° GOAL
 - FILTER PASSBAND..... 3 - 5 GHz
 - FILTER REJECTION : BELOW 2667 MHz >= 55 dB
ABOVE 5333 MHz >= 55 dB
 - PASSBAND FLATNESS:..... ± 1 dB (3.2 - 4.8 GHz)
 - WEIGHT:..... 400 g
 - CONNECTORS:..... SMA FEMALE X 12
BLUE HARD EPOXY POLIMIDE COATING
IAW MIL - C-22750, TYPE 1 OVER EPOXY
 - FINISH:..... POLIMIDE PRIMER IAW MIL-P-2377,
TYPE 1, CLASS 1 OR 3.

- CHANNEL TO CHANNEL
- NUMBER OF CHANNELS:..... 4
 - ISOLATION:..... 60 dB MIN

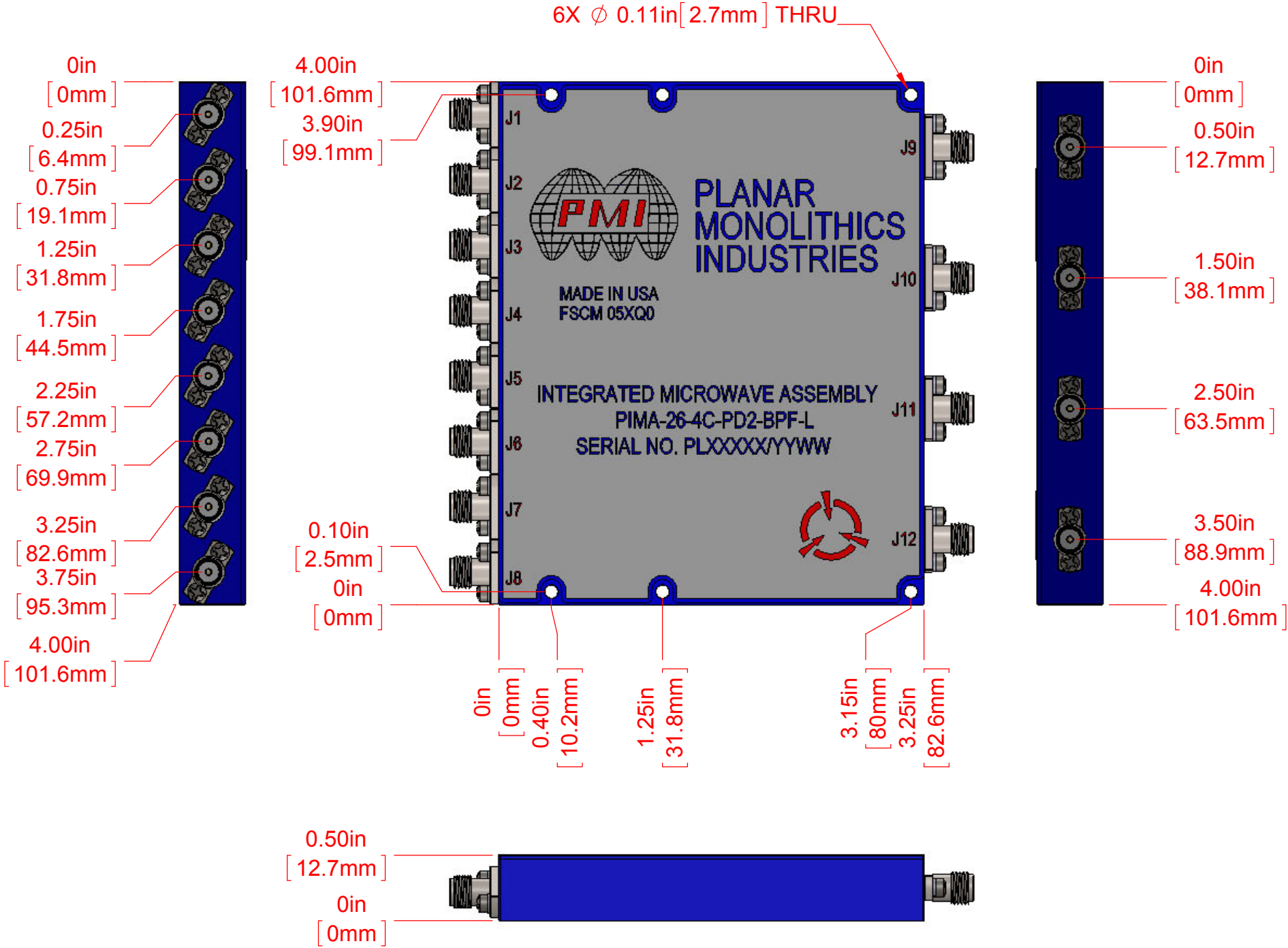
BLOCK DIAGRAM



- ENVIRONMENTAL RATINGS:**
- TEMPERATURE:..... 0°C TO +50°C (OPERATING)
-40°C TO +70°C (STORAGE)
 - HUMIDITY:..... MIL-STD-202, 5 TO 95% NON-CONDENSING
 - SHOCK:..... RTCA / DO-160G, SECTION 7.0 COMPLIANT
 - VIBRATION:..... RTCA / DO-160G, SECTION 8.0 TABLE 8-1 FOR FIXED WING TURBOFAN, CATEGORY S CURVE C
 - ALTITUDE:..... MIL-STD-202, 15000 FT
 - FUNGI:..... RTCA / DO-160G, SECTION 13 / MIL-STD-810F, METHOD 508.5 (FUNGUS)
 - FLAMMABILITY:..... RTCA / D0 - 313

NOTE: PRODUCT IS NOT HERMETICALLY SEALED

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	INITIAL RELEASE	07/19/19	



PMI CONFIDENTIAL AND PROPRIETARY

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						APPROVALS		DATE
						DRAWN	GJR	06/13/19
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			TITLE					
			OUTLINE					
			PIMA-26-4C-PD2-BPF					
			ISSUED	SIZE	FSCM NO.	DWG NO.	REV.	
			B	05XQ0	27036980	A1		
			SCALE 1:1			SHEET 1 OF 1		