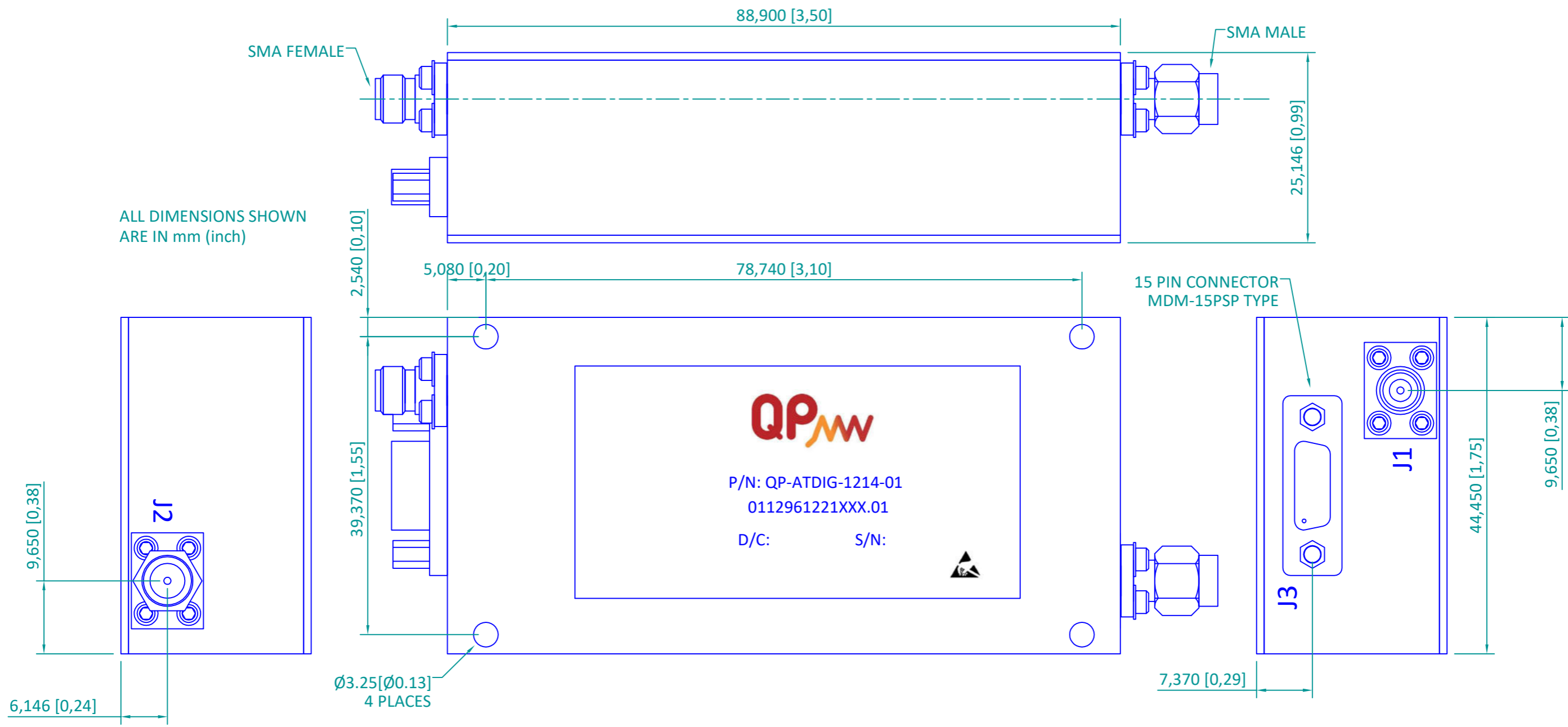


ALL DIMENSIONS SHOWN ARE IN mm (inch)



ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE: 1.2 - 1.4 GHz
 INSERTION LOSS: 3.2 dB MAX.
 ATTENUATION RANGE: 64 dB
 ATTENUATION ACCURACY: ±0.6 dB (0 - 10 dB)
 ±1.0 dB (11 - 20 dB)
 ±1.3 dB (21 - 30 dB)
 ±1.7 dB (31 - 40 dB)
 ±2.4 dB (41 - 64 dB)
 MONOTONICITY: YES
 VSWR: 1.8:1 MAX.
 SWITCHING TIME BETWEEN ATTENUATION STATES (*): 2 µs UP TO 32 dB
 4 µs UP TO 64 dB
 (*): 50% control signal to 10% from the final RF power level
 POWER HANDLING: +20dBm CW MAX.
 +30dBm PULSED (25% DUTY CYCLE)

PHASE SHIFT WITH ATTENUATION FOR A FIXED FREQUENCY WITHIN THE OPERATING RANGE: 40° MAX.
 TRACKING BETWEEN UNITS:
 ATTENUATION TRACKING (IN SETS OF 3 OR 4 UNITS): ±0.75 dB (up to 32 dB)
 ±1.0 dB (up to 50 dB)
 ±1.5 dB (up to 64 dB)
 PHASE TRACKING (FOR ALL UNITS): ±5° WINDOW FROM THE TYPICAL INSERTION PHASE LINE ACROSS THE OPERATING RANGE
 CONNECTORS:
 J1 - SMA FEMALE, STAINLESS STEEL
 J2 - SMA MALE, STAINLESS STEEL
 J3 - 15 PIN MDM-15PSP TYPE,:
 #1-Logic Input MSB
 #2 to 9 Logic Inputs
 #10 - Logic Input LSB
 #11 - Not used
 #12 - Latch
 #13 - +15 Vdc
 #14 - -15 Vdc
 #15 - GND
 FINISH: GOLD PLATING

ENVIRONMENTAL RATINGS

- TEMPERATURE: 0°C TO +70°C (OPERATING)
 -40°C TO +85°C (STORAGE)(**)
 - HUMIDITY: MIL-STD-202G, METHOD 103B 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 (**)
 - THERMAL SHOCK: MIL-STD-202G, METHOD 107G COND. A
 (**)Not tested, by design.



NOTE: The above specifications are subject to change or revision. Specifications are at 25°C unless stated otherwise

	QP microWAVE CÓLQUIDE 6 28231 LAS ROZAS MADRID, SPAIN	APPROVALS	DATE	SIGNED	DESCRIPTION: DIGITAL ATTENUATOR 1.2-1.4 GHz	REV.:	SHEET:
		DRAW	20/07/20	FJI	CODE: QP-ATDIG-1214-01	004	1 OF 1
		CHECKED	20/07/20	BME			
		APPROVED	20/07/20	JAV			