

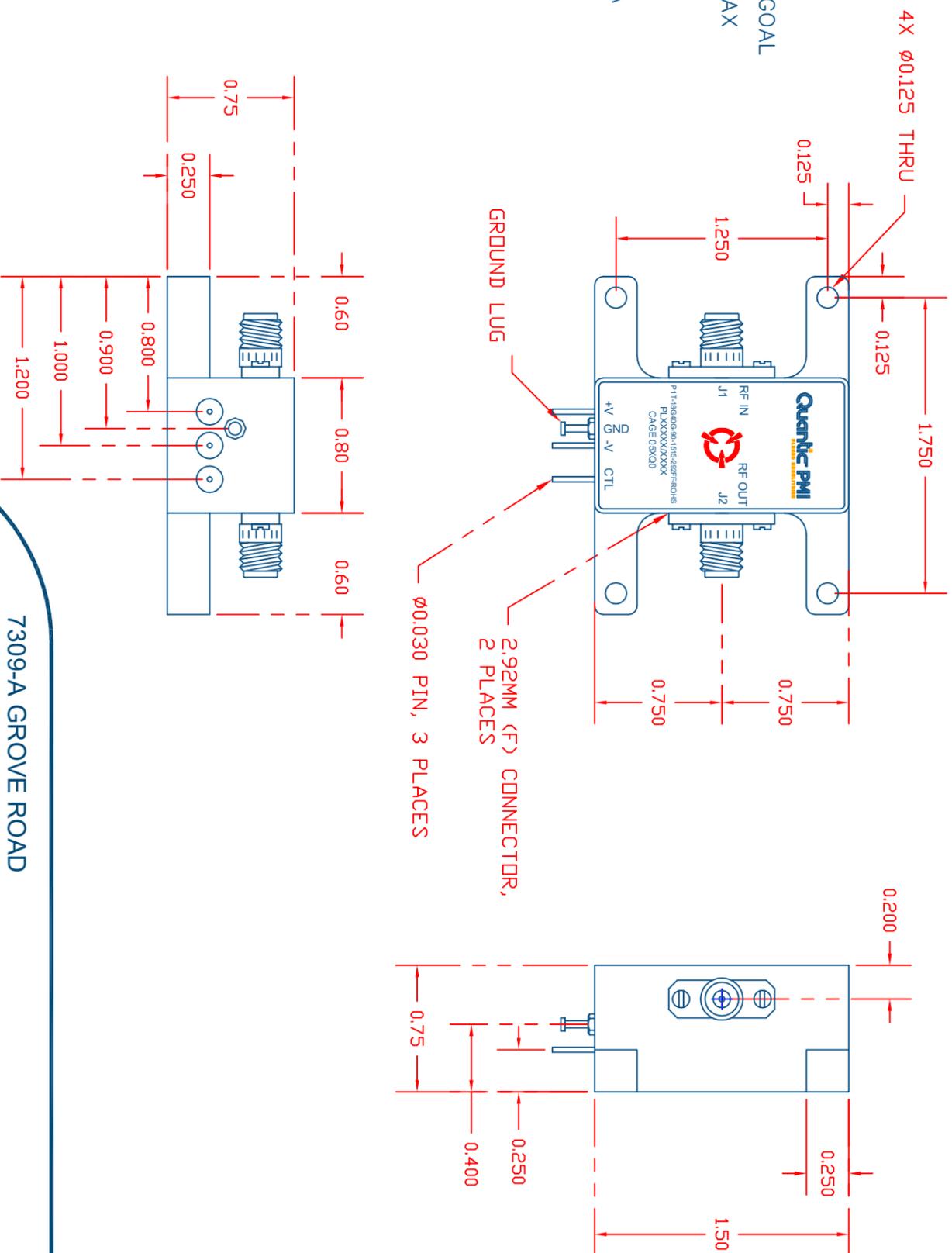
DESCRIPTION

PMI MODEL P1T-18G40G-90-1515-292FF-ROHS IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 15 TO 25 ns. THE FREQUENCY RANGE IS 18 TO 40 GHz. THIS SWITCH HAS > 90 dB ISOLATION.

REVISIONS		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
	A1	ORIGINAL RELEASE	9/26/23

SPECIFICATIONS

- FREQUENCY RANGE: 18 TO 40 GHz
- ISOLATION: 90 dB MIN
- INSERTION LOSS: 5.0 dB MAX
- VSWR IN / OUT: 2:1 MAX, 1.5:1 GOAL
- INPUT POWER: +23 dBm CW MAX
- RF SWITCHING SPEED: 25 ns MAX (10% TO 90% RF) 15 ns GOAL
- DC VOLTAGE: ±15 V @ 100mA
- CONTROL SIGNAL: 0 VDC ON
+5 VDC OFF
- CONNECTORS IN/OUT: 2.92 mm (F)
- FINISH: Gold Plated



ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE DR REVISION

7309-A GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.quanticmpi.com
EMAIL: sales@quanticmpi.com
ISO 9001 CERTIFIED

Quantic PMI
PLANNED MONOLITHICS

TITLE: **OUTLINE**

P1T-18G40G-90-1515-292FF-ROHS

APPROVALS

DATE

DRAWN

J. A. S. H. A. R.

9/26/23

REDRAWN

ISSUED

SIZE

FSCM NO.

DWG NO.

SCALE

N/S

SHEET

1 OF 1

REV.

A1