


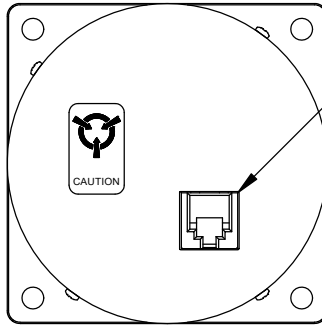
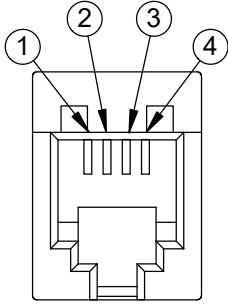
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED PER ECO 9328	6/16/08	K.R.
C	REVISED AND REDRAWN PER ECO 12758	3/29/22	A.Z.

Nominal Coil Voltage	Part Number
12 Vdc	581K-420853N

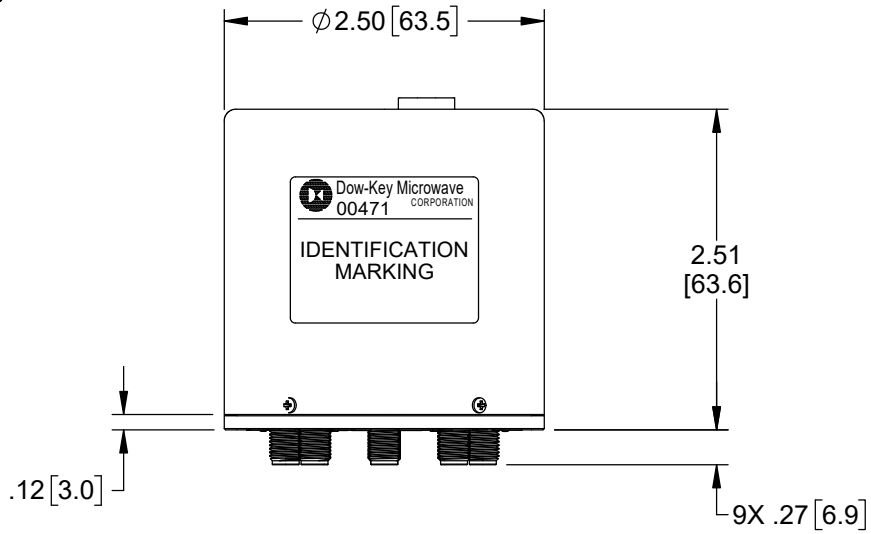
APPROVALS	DATE	 DowKey[®] Microwave CORPORATION <small>A DOVER TECHNOLOGIES COMPANY</small>	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734		
DRAWN SARA LEE	3/22/2022		SWITCH, SP8T, LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS CAN BUS INTERFACE, DC-26.5 GHz		
ENGINEERING G. NICKLAUS	3/24/2022				
QUALITY K. PATTERSON	3/24/2022				
MANUFACTURING R. GARCIA	3/24/2022		CODE IDENT. NO. 00471	DWG. NO. 581K-420853N	SCALE NONE

OUTLINE DRAWING:

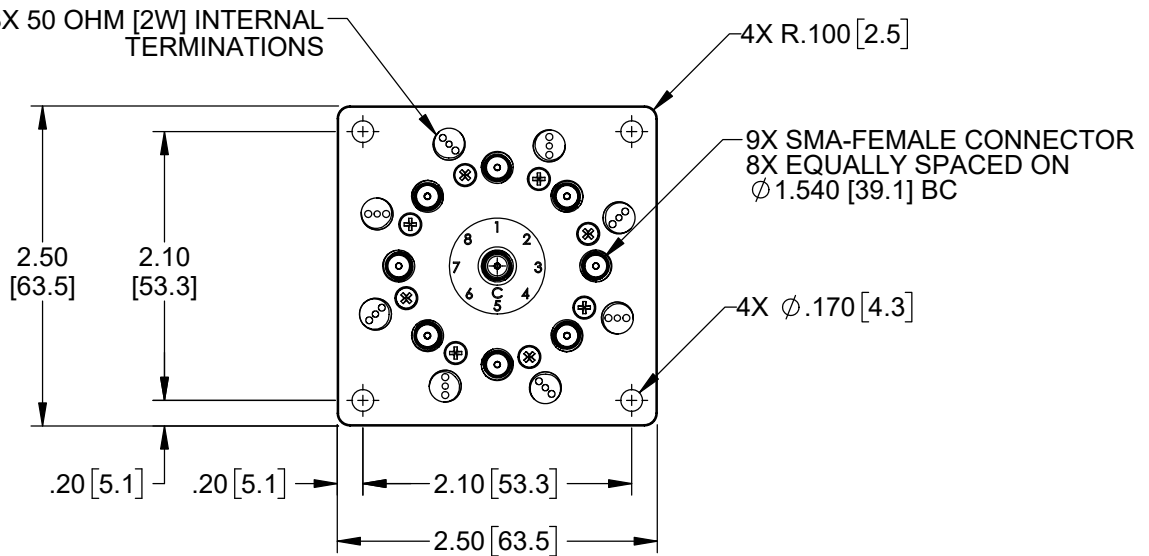
CAN BUS INTERFACE
CONTROL CONNECTOR



MODULAR JACK-VERTICAL
STANDARD PROFILE
SMALL PANEL CUT-OUT
(MOLEX 95503-2441)



8X 50 OHM [2W] INTERNAL
TERMINATIONS



[] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XXX ±.010 ANGLES: ±3° .XX ±.030	CODE IDENT. NO. 00471	DWG. NO. 581K-420853N	REV. C
	SCALE NONE	SHEET 2 OF 4	

SPECIFICATION:

1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC- 4	4- 8	8-12.4	12.4-18	18- 26.5
1.2 VSWR (RATIO MAX)	1.20:1	1.30:1	1.40:1	1.50:1	1.70:1
1.3 INSERTION LOSS (dB MAX)	0.20	0.30	0.40	0.50	0.70
1.4 ISOLATION (dB MIN)	80	75	70	60	55
1.5 RF POWER (WATTS CW MAX)	125	90	75	60	45
AT SEA LEVEL, +40°C, LOAD VSWR 1:1					
1.6 IMPEDANCE (NOMINAL)	50 OHMS				

2.0 ACTUATION DATA:

2.1 OPERATING VOLTAGE	11-14 VDC (12 VDC NOMINAL)
2.2 OPERATING CURRENT	500 mA TYP @ 12 VDC & 20°C
2.3 SWITCHING TIME	15mS MAX
2.4 OPERATING MODE	LATCHING SELF CUT-OFF

3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT	SP8T
3.2 RF CONTACTS	BREAK BEFORE MAKE
3.3 WEIGHT	11oz (312g) NOMINAL
3.4 DESIGN LIFE	1,000,000 CYCLES MINIMUM

4.0 ENVIRONMENTAL:

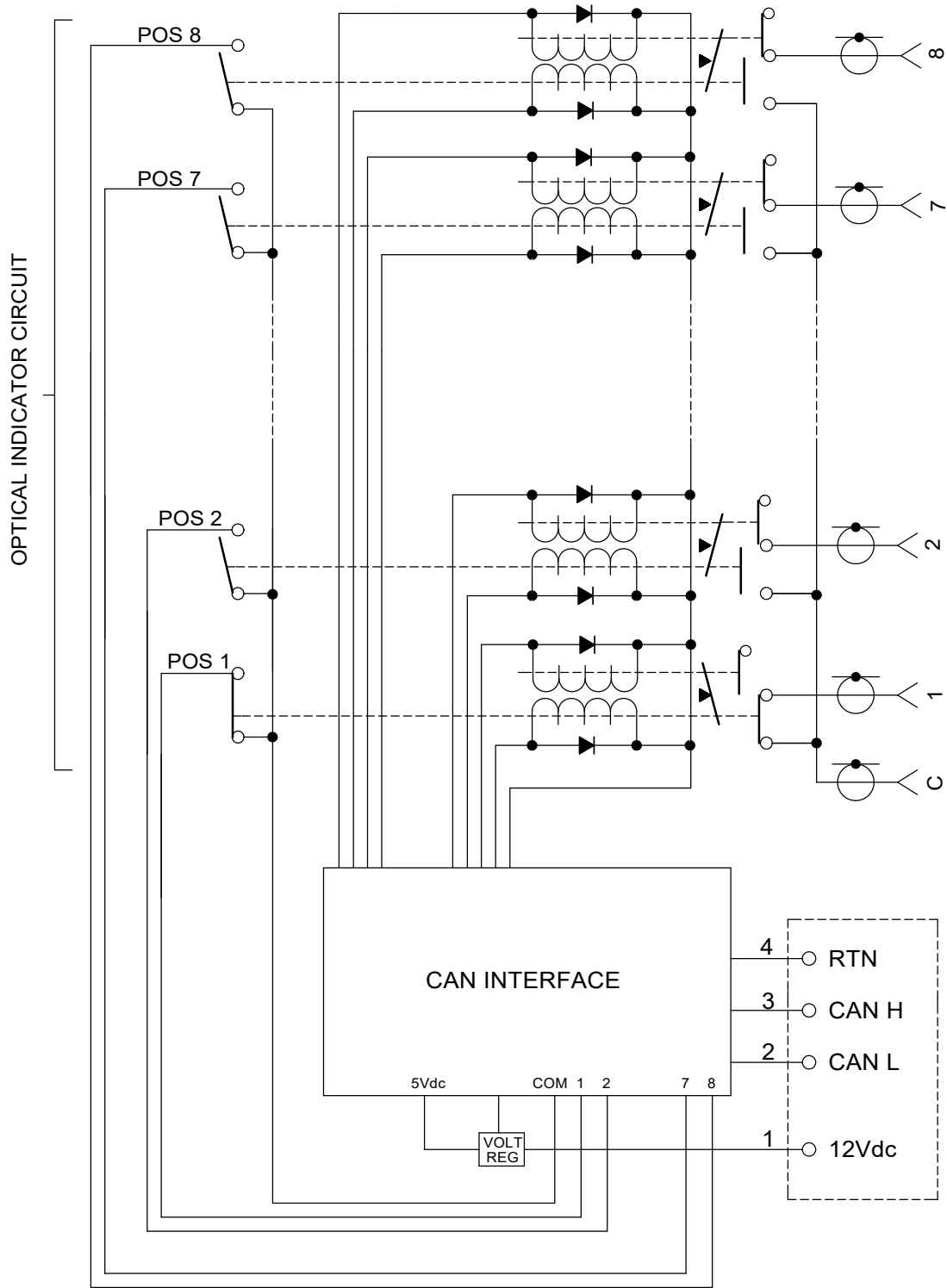
4.1 OPERATING TEMPERATURE	0°C TO +65°C
4.2 STORAGE TEMPERATURE	-25°C TO +85°C
4.3 SEAL	SAND AND DUST

5.0 FINISH:

5.1 RF CAVITY	ALUMINUM, ELECTROLESS NICKEL
5.2 ENCLOSURE	ALUMINUM, ELECTROLESS NICKEL
5.3 RF CONNECTOR SHELLS	CRES PASSIVATE

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SCALE NONE		SHEET 3 OF 4

SCHEMATIC:



SCHEMATIC SHOWN WITH POSITION 1 CLOSED

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SCALE NONE	SHEET 4 OF 4	