

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	6/27/01	J.S.
B	REVISED BY ECO #9768	1/06/10	K.R.

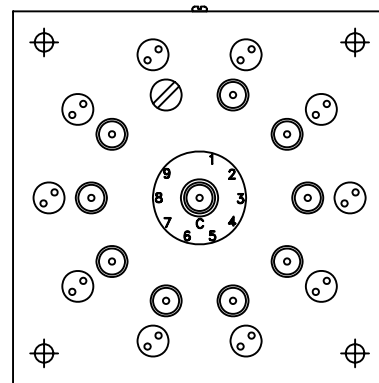
Nominal Coil Voltage	Part Number	
	SP9T	SP10T
12 Vdc	591J-420803A	5A1J-420803A
15 Vdc	591J-490803A	5A1J-490803A
24 Vdc	591J-480803A	5A1J-480803A
28 Vdc	591J-430803A	5A1J-430803A

REVISIONS	B	B	B				 DowKey[®] Microwave CORPORATION A DOVER TECHNOLOGIES COMPANY 4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
SHEET NO.	1	2	3				
APPROVALS	DATE						
DRAWN R. CANNY	4/13/01			SWITCH, 9-10 POS, LATCHING SELF CUTOFF, SMA-FEMALE CONNECTORS, TTL CONTROL CIRCUIT, 50 OHM [2W] TERM., DB25P DC CONNECTOR			
ENG S. LEE	5/29/01						
ENG. MGR. R. SZNUK	5/31/01						
SALES MGR. D. COLETA	6/06/01						
Q.A. MGR. S. EVERETT	6/06/01						
MFG. MGR. M. MARTINEZ	6/06/01			CODE IDENT. NO. 00471	DWG. NO. 5Z1J-4X0803A		
SCALE NONE				FINAL ASSY:		SHEET 1 OF 3	

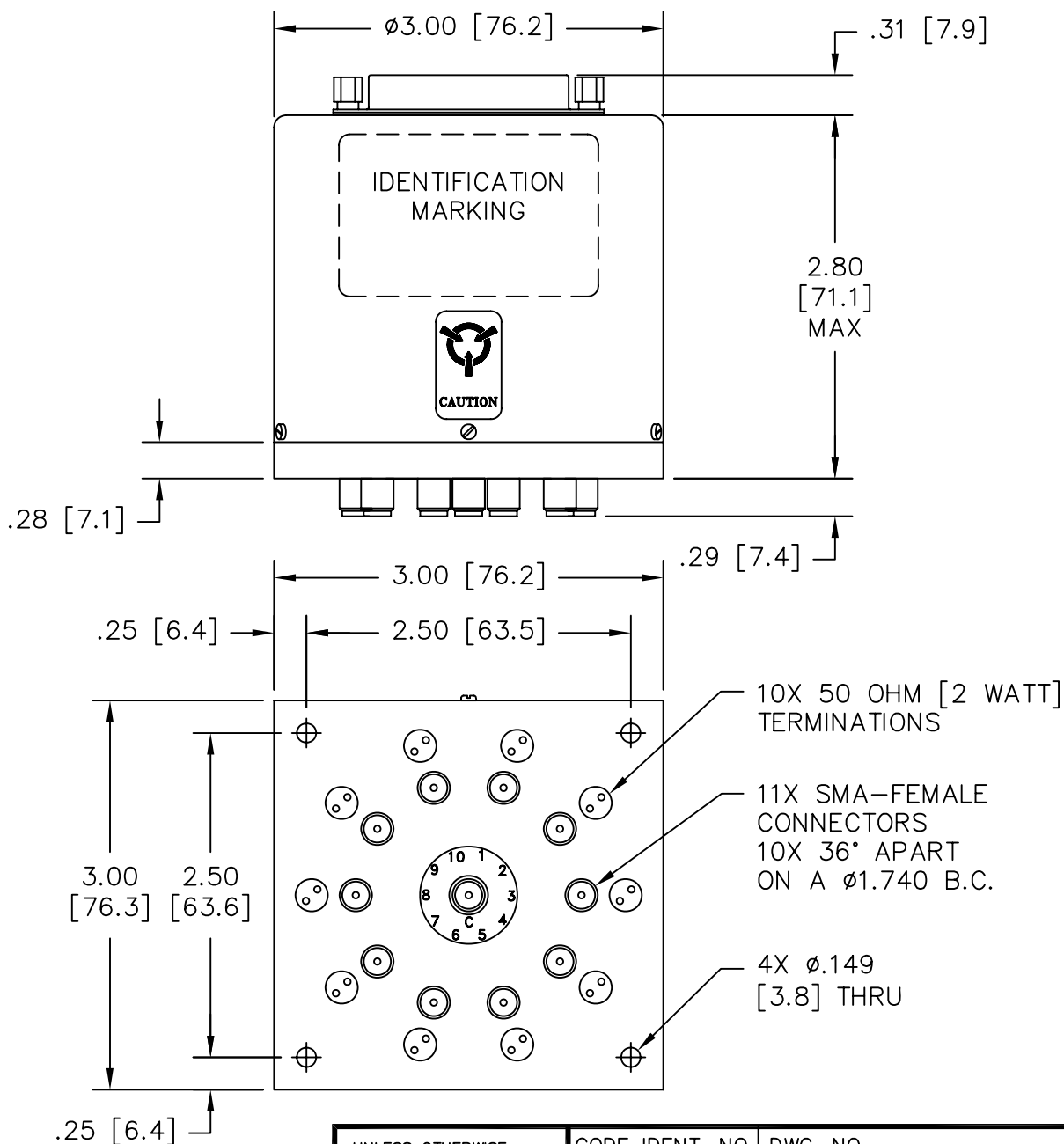
OUTLINE DRAWING:

DB25P CONN

PIN 1



9 POSITION



[] MILLIMETERS

UNLESS OTHERWISE
SPECIFIED TOLERANCES
ARE:
.XXX $\pm .010$ ANGLES: $\pm 3^\circ$
.XX $\pm .030$

CODE IDENT. NO.
00471

DWG. NO.

5Z1J-4X0803A

REV.
B

SCALE NONE

SHEET 2 OF 3

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	DC-4	4-8	8-12.4	12.4-18
1.2 VSWR (RATIO MAX):	1.20:1	1.30:1	1.40:1	1.60:1
1.3 INSERTION LOSS (dB MAX):	0.20	0.30	0.40	0.60
1.4 ISOLATION (dB MIN):	70	65	60	55
1.5 RF POWER (WATTS CW MAX):	100	70	60	45

2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
12	11-14	415mA
15	13-17	330mA
24	20-28	210mA
28	24-32	180mA

2.2 SWITCHING TIME: 20ms MAX

2.3 OPERATING MODE: LATCHING SELF CUT-OFF, TTL CONTROL

3. MECHANICAL:

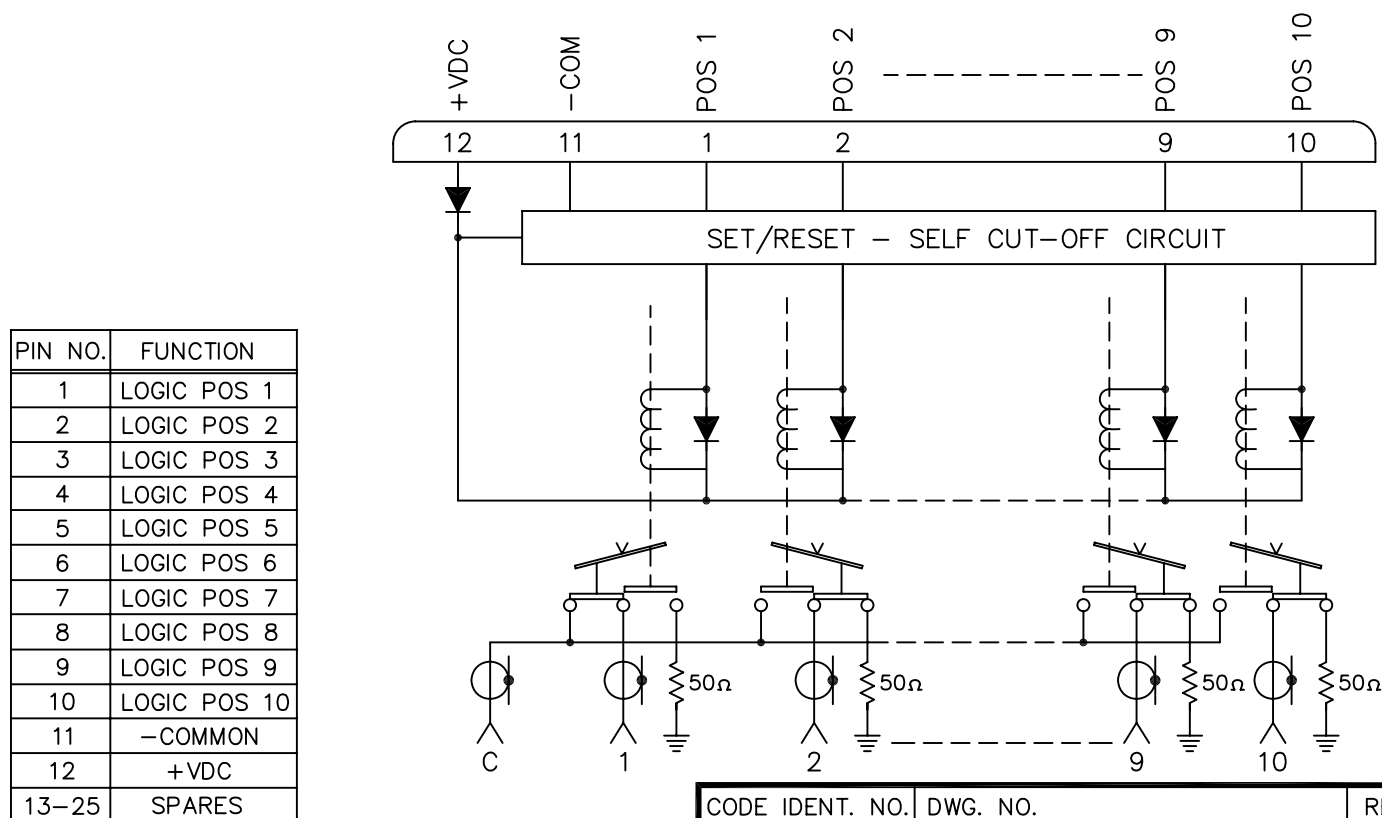
3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	15.3oz. (434g.) NOMINAL
3.3 DESIGN LIFE:	1,000,000 CYCLES MIN

4. ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE:	-25°C TO +65°C
4.2 STORAGE TEMPERATURE:	-55°C TO +85°C
4.3 SEAL:	SAND AND DUST

SCHEMATIC:

SCHEMATIC SHOWN WITH POSITION 1 SELECTED



LOGIC LO (OFF) = 0.0 - 0.8 VDC
LOGIC HI (ON) = 2.4 - 5.5 VDC

CODE IDENT. NO. 00471	DWG. NO. 5Z1J-4X0803A	REV. B
SCALE NONE	SHEET 3 OF 3	