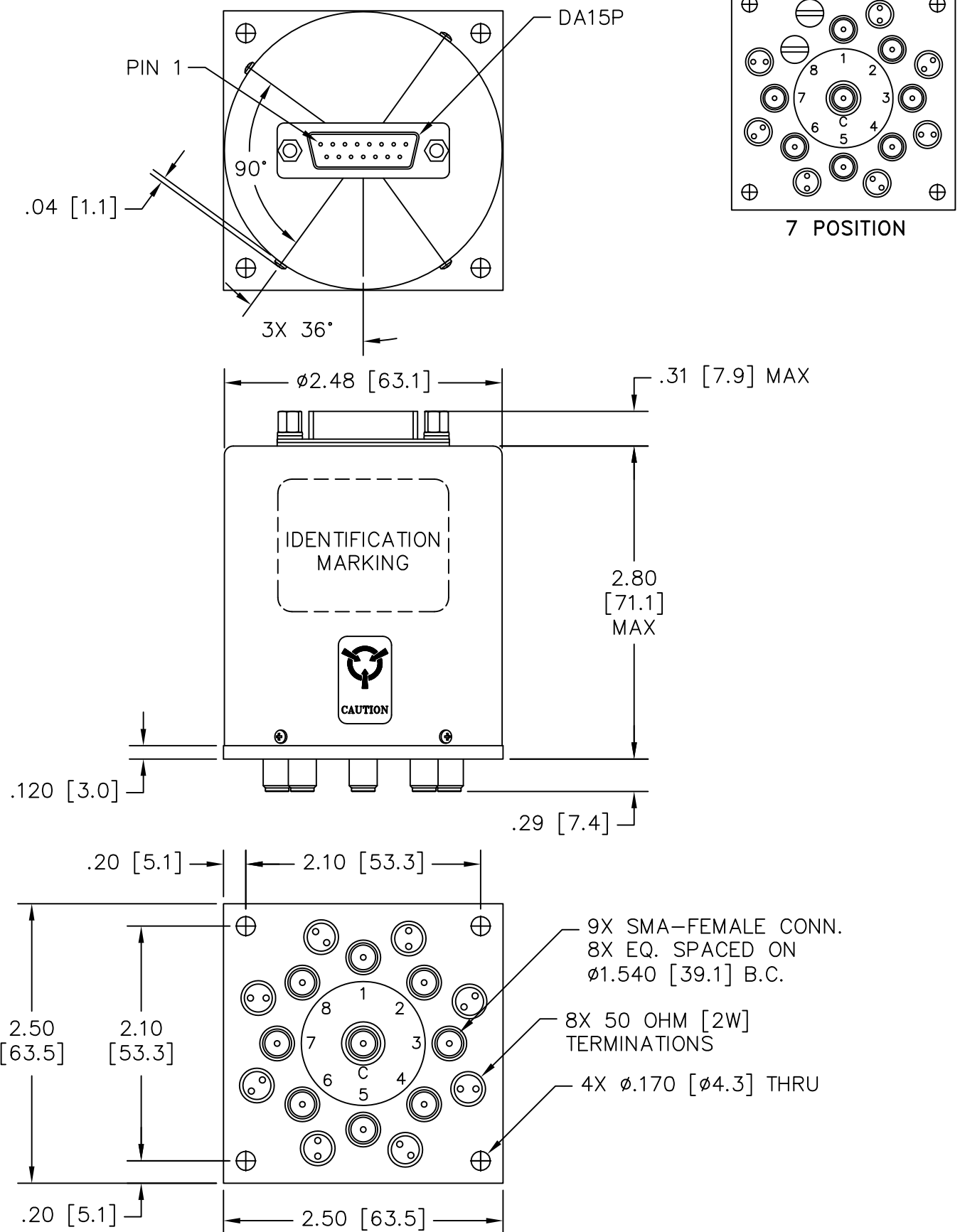


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	12/15/05	J.S.
B	REVISED PER ECO 11231	5/28/15	K.R.

Nominal Coil Voltage	Part Number	
	SP7T	SP8T
12 Vdc	571J-520803A	581J-520803A
15 Vdc	571J-590803A	581J-590803A
24 Vdc	571J-580803A	581J-580803A
28 Vdc	571J-530803A	581J-530803A

REVISIONS	B	B	B					 DowKey[®] Microwave CORPORATION	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
SHEET NO.	1	2	3						
APPROVALS			DATE						
DRAWN S. LEE			11/23/05						
ENG G. NICKLAUS			11/23/05					SWITCH, 7-8 POSITION, NORMALLY OPEN, SMA-FEMALE CONNECTORS, 50 OHM [2W] TERM., TTL-HI CONTROL, DA15P CONNECTOR	
ENG. MGR. R. SZNUK			11/23/05						
SALES MGR. V. HARTER			11/23/05						
Q.A. MGR. R. MATSUMOTO			11/23/05						
MFG. MGR. R. GONZALEZ			11/23/05						
			CODE IDENT. NO. 00471			DWG. NO. 5Y1J-5X0803A			
			SCALE NONE			FINAL ASSY:			SHEET 1 OF 3

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE
SPECIFIED TOLERANCES
ARE:
.XXX ±.010 ANGLES: ±3°
.XX ±.030

CODE IDENT. NO.
00471

DWG. NO.
5Y1J-5X0803A

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	1.50:1
1.3 INSERTION LOSS (dB MAX):	0.20	0.30	0.40	0.50
1.4 ISOLATION (dB MIN):	80	75	70	60
1.5 RF POWER (WATTS CW MAX):	100	90	70	60

2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
12	11–14	325mA
15	13–17	265mA
24	20–28	165mA
28	24–32	140mA

2.2 SWITCHING TIME:

15ms MAX

2.3 OPERATING MODE:

NORMALLY OPEN, TTL–HI CONTROL

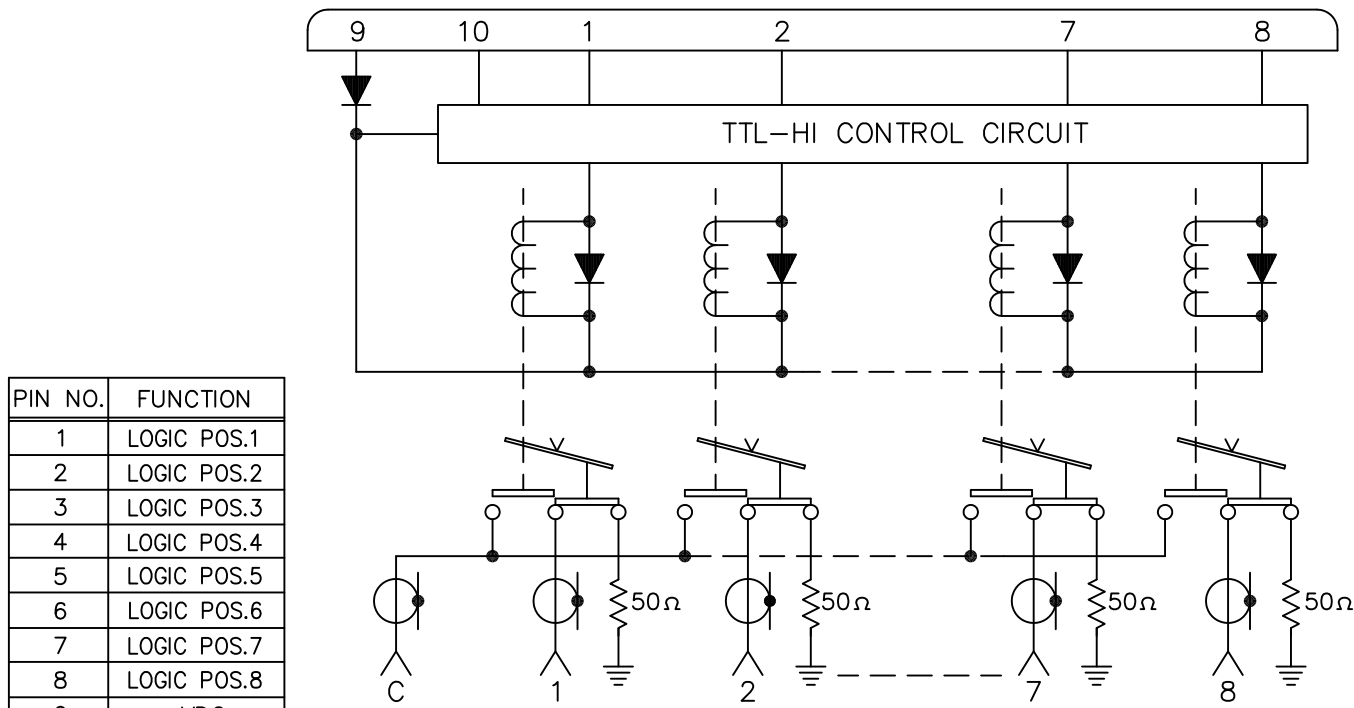
3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	12.0oz. (340g.) NOMINAL
3.3 DESIGN LIFE:	1,000,000 CYCLES

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:



PIN NO.	FUNCTION
1	LOGIC POS.1
2	LOGIC POS.2
3	LOGIC POS.3
4	LOGIC POS.4
5	LOGIC POS.5
6	LOGIC POS.6
7	LOGIC POS.7
8	LOGIC POS.8
9	+VDC
10	-COM
11-15	SPARE

LOGIC LO (OFF) = 0-0.08 Vdc
LOGIC HI (ON) = 2.4-5.5 Vdc

CODE IDENT. NO. 00471	DWG. NO. 5Y1J-5X0803A	REV. B
SCALE NONE	SHEET 3 OF 3	