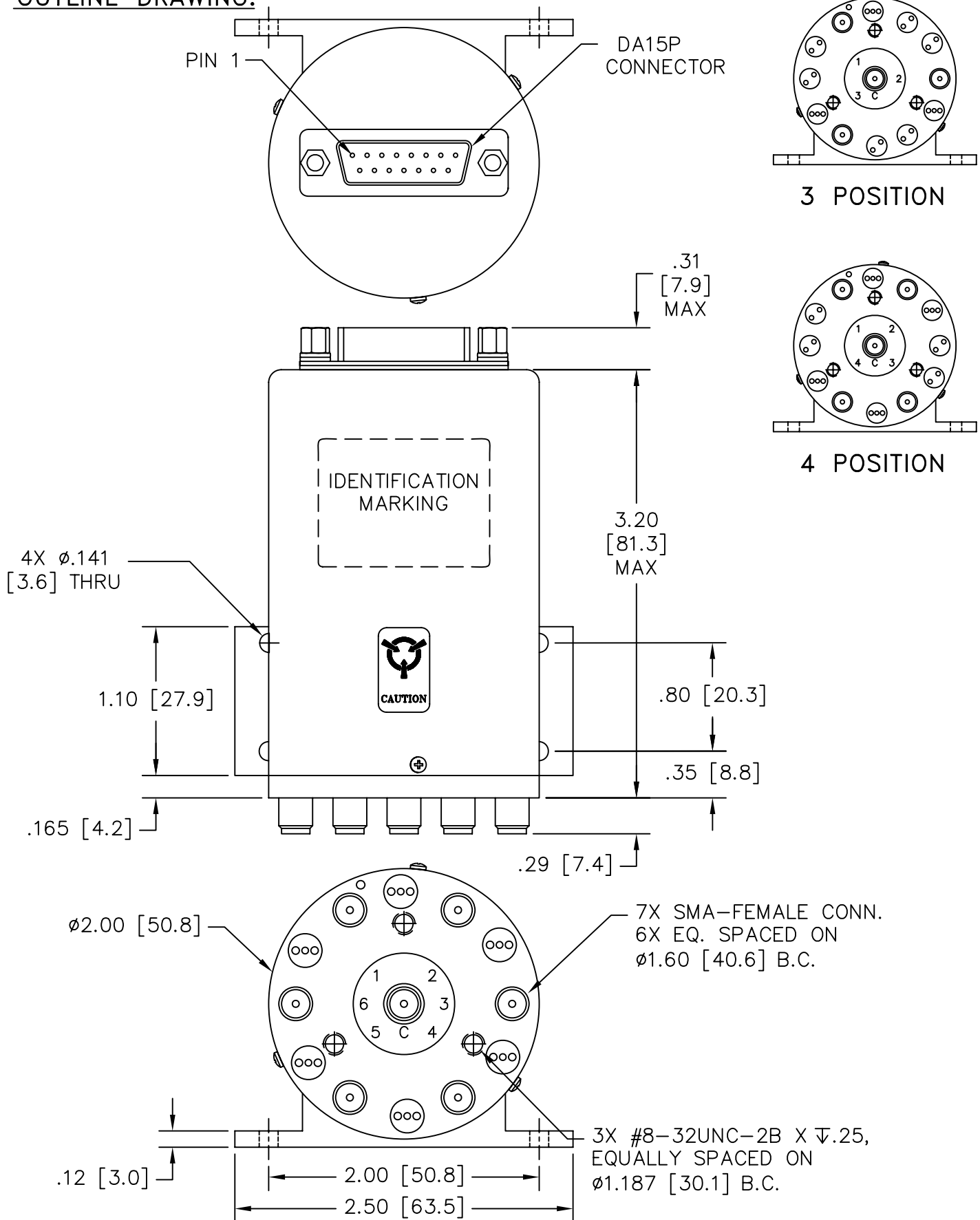


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	6/30/05	J.S.
B	REVISED PER ECO #8288	10/12/05	J.S.

Nominal Coil Voltage	Part Number			
	SP3T	SP4T	SP6T	
12 Vdc	431CJ-520803A	441CJ-520803A	461CJ-520803A	
15 Vdc	431CJ-590803A	441CJ-590803A	461CJ-590803A	
24 Vdc	431CJ-580803A	44C1J-580803A	461CJ-580803A	
28 Vdc	431CJ-530803A	44C1J-530803A	461CJ-530803A	

REVISIONS	B	B	B				 DowKey® Microwave CORPORATION A DOWKEY 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 S. LEE	6/6/05							
ENG S. LEE	6/24/05						SWITCH, 3-6 POSITION, NORMALLY OPEN, SMA-FEMALE CONN., 50 OHM [2W] TERMINATIONS, TTL-HI CONTROL, MTG BRACKET, DA15P CONN.	
ENG. MGR. R. SZNUK	6/24/05							
SALES MGR. V. HARTER	6/29/05							
Q.A. MGR. S. EVERETT	6/28/05							
MFG. MGR. G. NICKLAUS	6/28/05						CODE IDENT. NO. 00471	DWG. NO. 4X1CJ-5X0803A
SCALE NONE							FINAL ASSY:	SHEET 1 OF 3

OUTLINE DRAWING:



[] MILLIMETERS

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

CODE IDENT. NO.
00471

DWG. NO.

4X1CJ-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):	85	75	70	60
1.5 RF POWER (WATTS CW MAX):	100	50	35	25

2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
12	11-14	345mA
15	13-17	300mA
24	20-28	200mA
28	24-32	160mA

2.2 SWITCHING TIME:	15ms MAX
2.3 OPERATING MODE:	NORMALLY OPEN, TTL-HI CONTROL
2.4 TTL CURRENT OFF (0-0.8Vdc):	0mA @ 0 Vdc
2.5 TTL CURRENT ON (2.4-5.5Vdc):	1.35mA MAX @ 3.85 Vdc

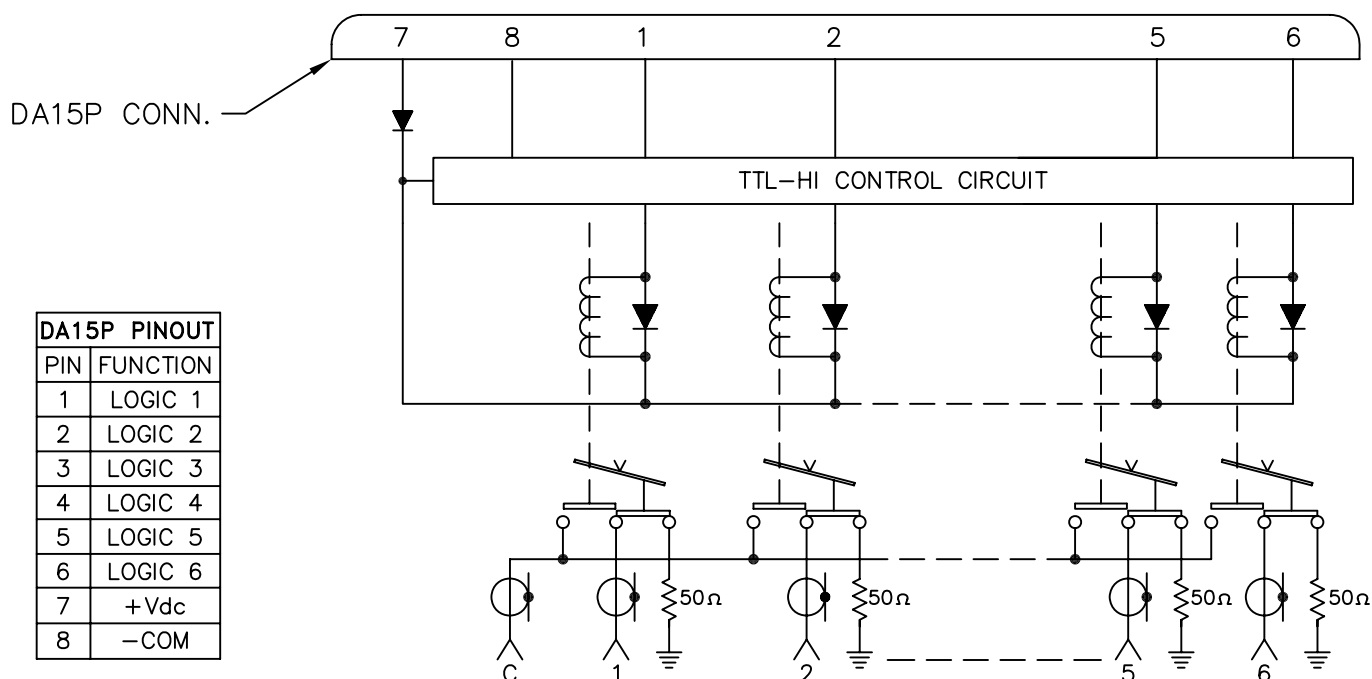
3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	11oz. (312g.) 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:



"0" = 0.0V-0.8V

"1" = 2.4V-5.5V

SCHEMATIC SHOWN IN NORMALLY OPEN POSITION.

CODE IDENT. NO. 00471	DWG. NO. 4X1CJ-5X0803A	REV. B
SCALE NONE	SHEET 3 OF 3	