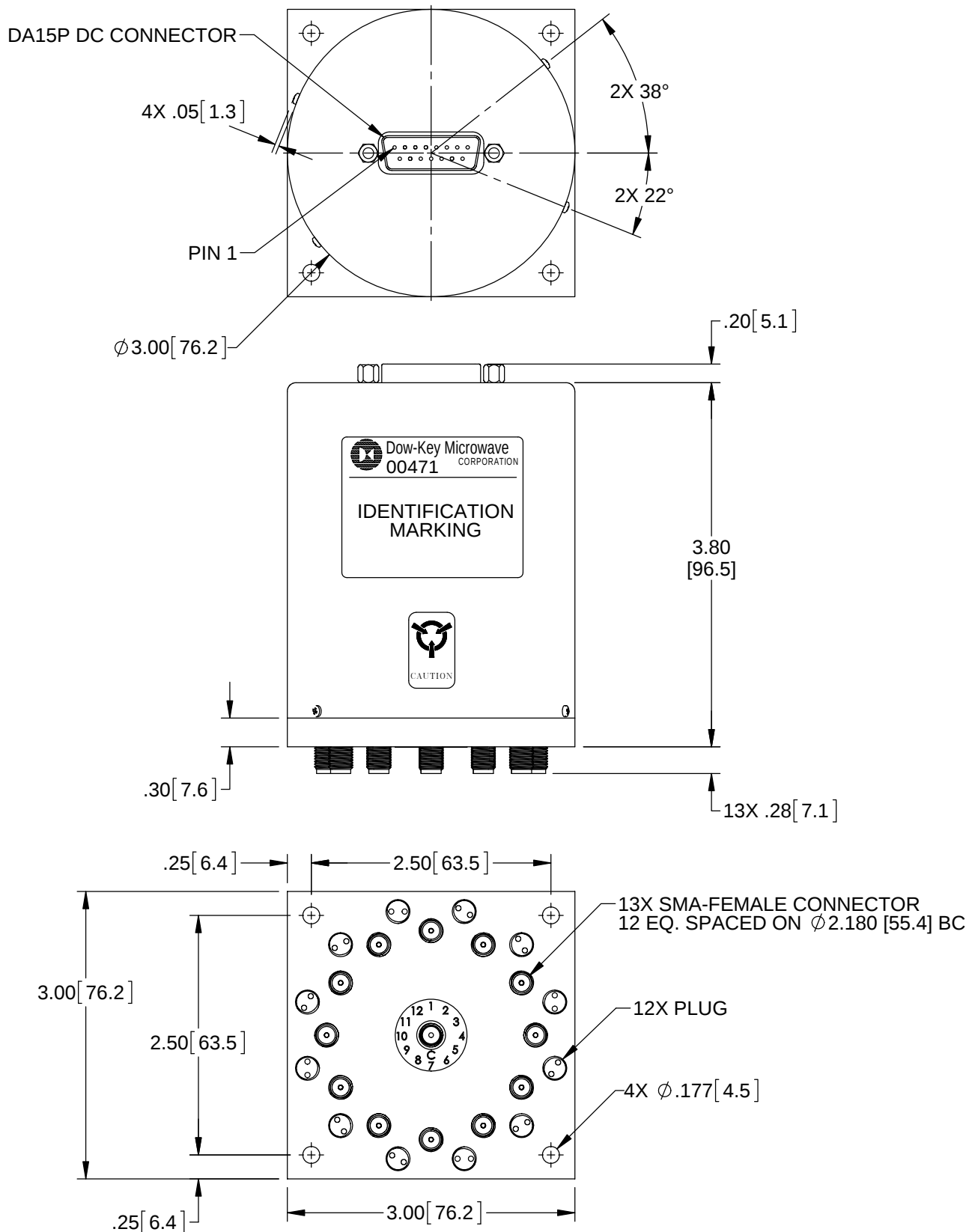


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED AND REDRAWN PER ECO 11335	11/18/15	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	5C1J-4208
15 Vdc	5C1J-4908
24 Vdc	5C1J-4808
28 Vdc	5C1J-4308

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 SARA LEE		11/11/2015							
ENGINEERING G. WITTS		11/12/2015							
QUALITY S. LYNCH		11/17/2015							
MANUFACTURING J. LEE		11/17/2015					SW, SP12T, LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS DA15P DC CONNECTOR		
		CODE IDENT. NO.		DWG. NO.					
		00471		5C1J-4X08					
		SCALE		NONE		FINAL ASSY: 5C1J-4308		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.
5C1J-4X08

REV.
B

SCALE NONE

FINAL ASSY: 5C1J-4308

SHEET 2 OF 3

SPECIFICATION:

1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC - 4	4 - 8	8 - 12.4	12.4 - 18
1.2 VSWR (RATIO MAX)	1.20:1	1.40:1	1.50:1	1.80:1
1.3 INSERTION LOSS (dB MAX)	0.20	0.40	0.60	0.80
1.4 ISOLATION (dB MIN)	70	65	60	60
1.5 RF POWER (WATTS CW MAX) AT SEA LEVEL, +25°C, LOAD VSWR 1:1	125	90	75	60
1.6 IMPEDANCE (NOMINAL)	50 OHMS			

2.0 ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (NOMINAL) @ NOMINAL VOLTAGE & 25°C
	12	11-14	580mA
	15	13-17	335mA
	24	20-28	210mA
	28	24-32	245mA

2.2 SWITCHING TIME	30mS MAX
2.3 OPERATING MODE	LATCHING SELF CUT-OFF
2.4 SINK CURRENT	500uA @0 - 0.8 Vdc
2.5 BIAS CURRENT	15mA MAX

3.0 MECHANICAL:

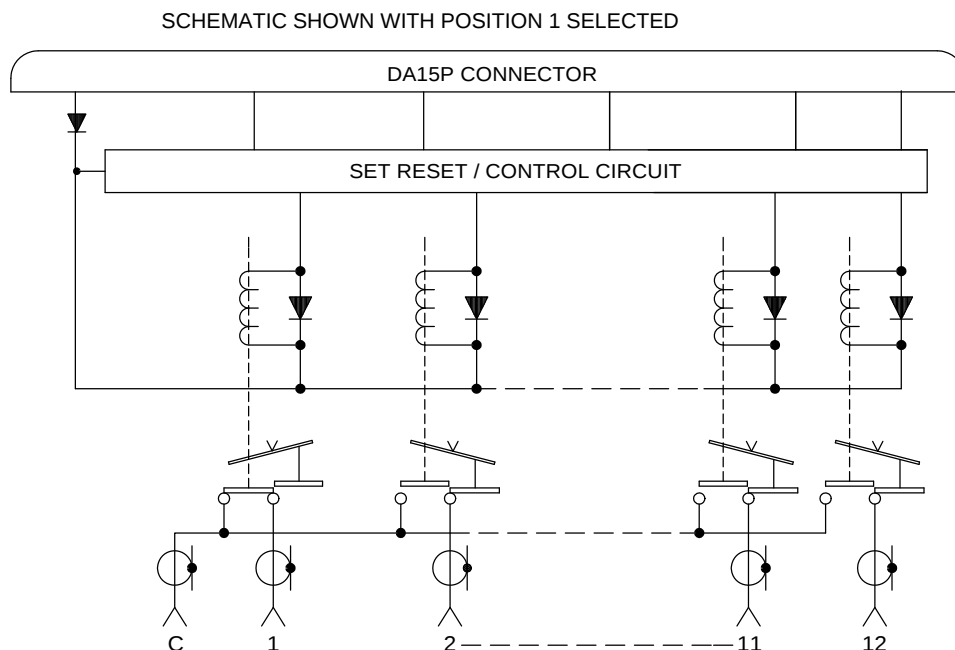
3.1 CONTACT ARRANGEMENT	SP12T
3.2 RF CONTACTS	BREAK BEFORE MAKE
3.3 WEIGHT	18 oz (510 g) NOMINAL
3.4 DESIGN LIFE	1,000,000 CYCLES MINIMUM

4.0 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:

DA15P CONNECTOR	
PIN NO	FUNCTION
1	+VDC
2	- POS 1
3	- POS 2
4	- POS 3
5	- POS 4
6	- POS 5
7	- POS 6
8	- POS 7
9	-RTN (GND)
10	FAULT OUTPUT (*)
11	- POS 8
12	- POS 9
13	- POS 10
14	- POS 11
15	- POS 12



TO ENERGIZE POSITION, A GROUND MUST BE APPLIED TO THE DESIGNATED INPUT PIN.
FOR POSITIONS NOT SELECTED NO VOLTAGE IS NEEDED, INPUTS ARE PULLED UP INTERNALLY TO 5 VDC.
APPLYING A VOLTAGE >5 VDC TO ANY INPUT WILL DAMAGE THE SWITCH.

* A LOGIC LO ON THE FAULT LINE
INDICATES A POSITION FAILURE

CODE IDENT. NO.	DWG. NO.	REV.
00471	5C1J-4X08	A
SCALE NONE	FINAL ASSY: 5C1J-4308	SHEET 3 OF 3