

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	4/9/07	K.R.
B	REVISED PER ECO 11102	2/9/15	K.R.

Nominal Coil Voltage	Part Number SP12T
12 Vdc	5C1J-520802A
28 Vdc	5C1J-530802A

REVISIONS	B	B	B			
SHEET NO.	1	2	3			
APPROVALS			DATE			
DRAWN S. LEE			4/4/07			
ENG G. NICKLAUS			4/6/07			
ENG. MGR. R. SZNUK			4/6/07			
SALES MGR. S. CAWELTI			4/9/07			
Q.A. MGR. N. SANDERS			4/9/07			
MFG. MGR. R. GONZALEZ			4/9/07			



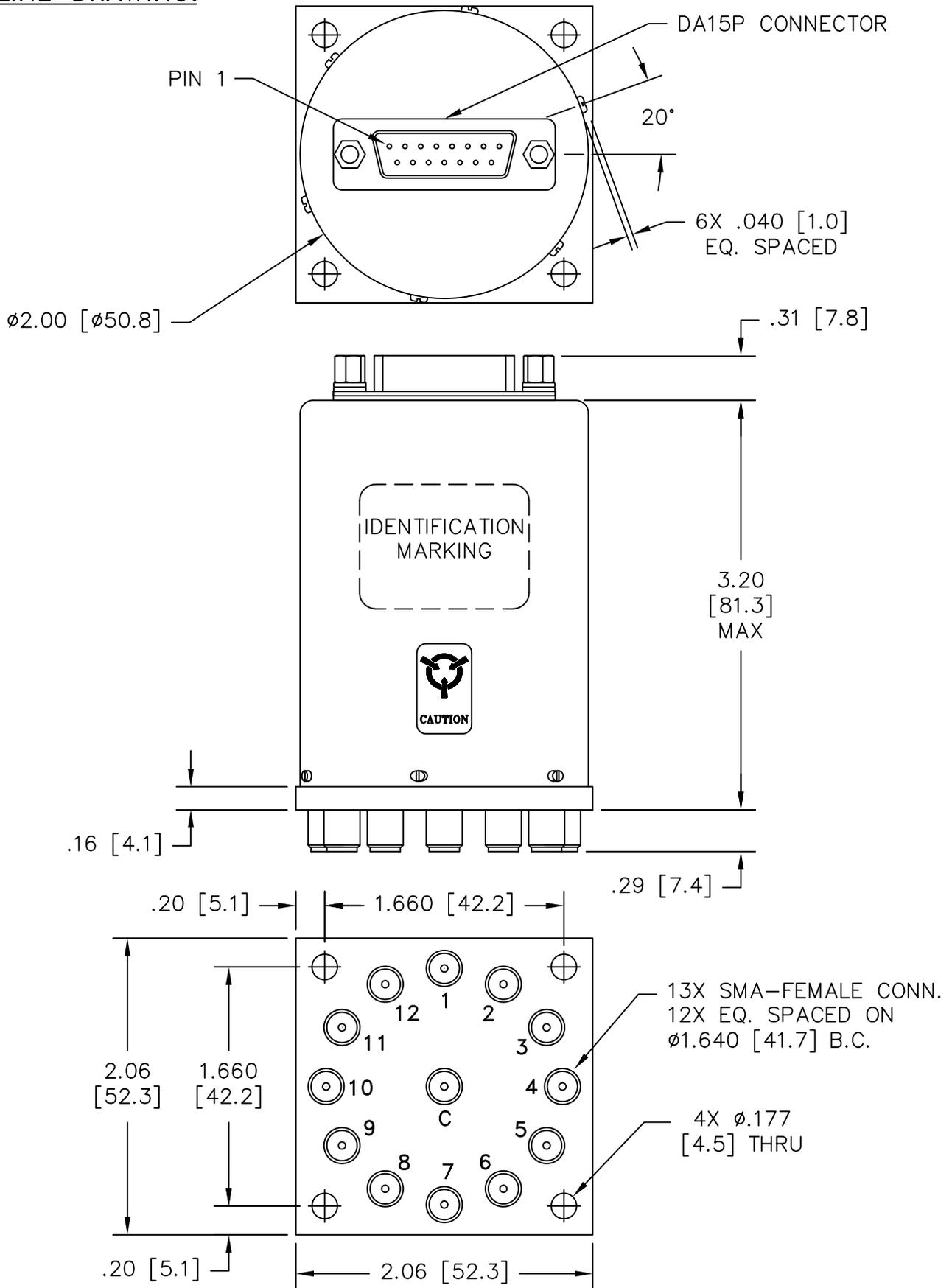
DowKey[®]
Microwave
CORPORATION

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A **DOVER** TECHNOLOGIES COMPANY

SWITCH, 12 POSITION, NORMALLY OPEN SMA-FEMALE CONNECTORS, TTL-HI CONTROL, DA15P DC CONNECTOR		
CODE IDENT. NO. 00471	DWG. NO. 5C1J-5X0802A	
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. 5C1J-5X0802A	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	1.40:1	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):	125	90	75	60

2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
	12	11-14	285mA
	28	24-32	140mA

- 2.2 SWITCHING TIME: 15ms MAX
 2.3 OPERATING MODE: NORMALLY OPEN, TTL CIRCUIT

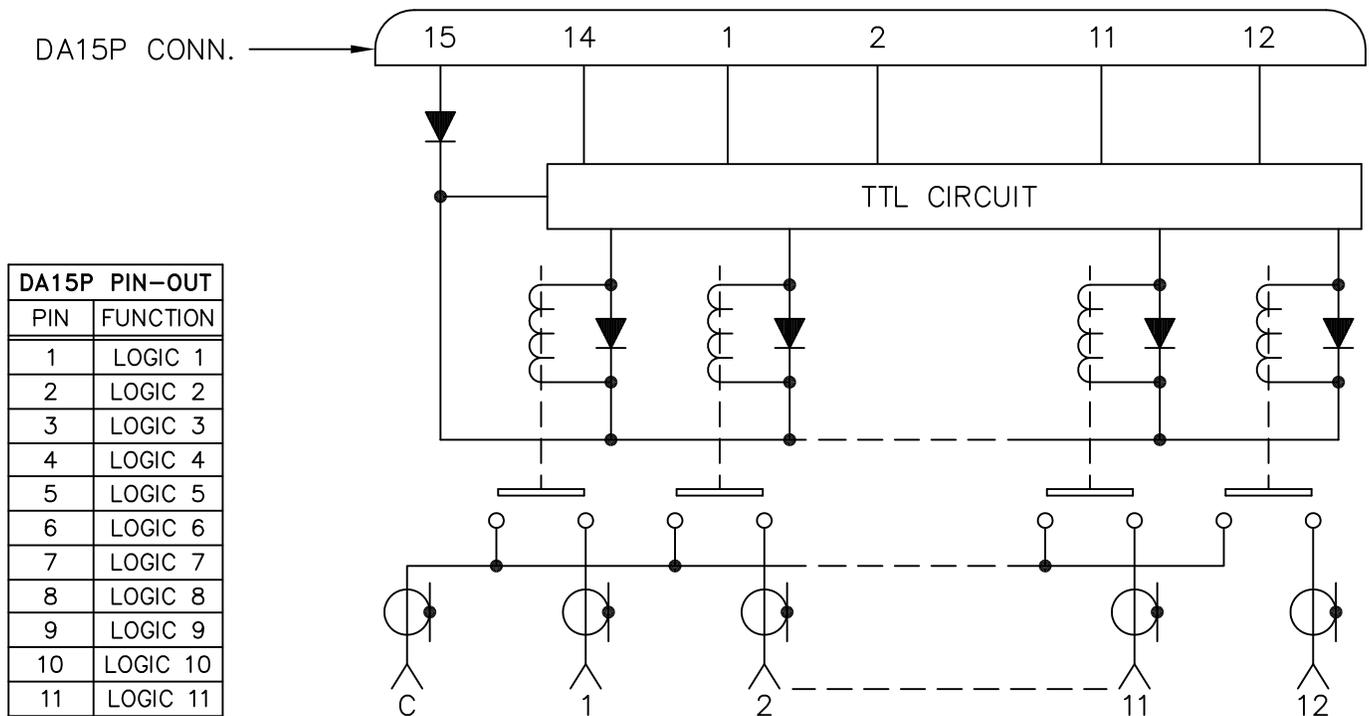
3. MECHANICAL:

- 3.1 RF CONTACTS: BREAK BEFORE MAKE
 3.2 WEIGHT: 7.5oz. (213g.) 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:



DA15P PIN-OUT	
PIN	FUNCTION
1	LOGIC 1
2	LOGIC 2
3	LOGIC 3
4	LOGIC 4
5	LOGIC 5
6	LOGIC 6
7	LOGIC 7
8	LOGIC 8
9	LOGIC 9
10	LOGIC 10
11	LOGIC 11
12	LOGIC 12
13	SPARE
14	- COM
15	+ VDC

SCHEMATIC SHOWN IN THE NORMALLY OPEN POSITION

LOGIC LO (OFF) "0" = (0.0-0.8VDC)
 LOGIC HI (ON) "1" = (2.4-5.5VDC)

CODE IDENT. NO. 00471	DWG. NO. 5C1J-5X0802A	REV. B
SCALE NONE	SHEET 3 OF 3	