REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	12/19/07	K.R.
B	REVISED PER ECO 9513	1/27/09	K.R.
C	REVISED PER ECO 11510	7/26/16	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	411CY-221102A
15 Vdc	411CY-291102A
24 Vdc	411CY-281102A
28 Vdc	411CY-231102A

REVISIONS	C	C	C			
SHEET NO.	1	2	3			

APPROVALS	DATE
DRAWN SARA LEE	7/14/2016
ENGINEERING J. WESSELY	7/20/2016
QUALITY G. WAKEFIELD	7/25/2016
MANUFACTURING R. GARCIA	7/25/2016

DowKey® Microwave CORPORATION
A DOVER TECHNOLOGIES COMPANY
4822 McGrath Street
Ventura, CA. 93003-5641
PH: (805) 650-0260
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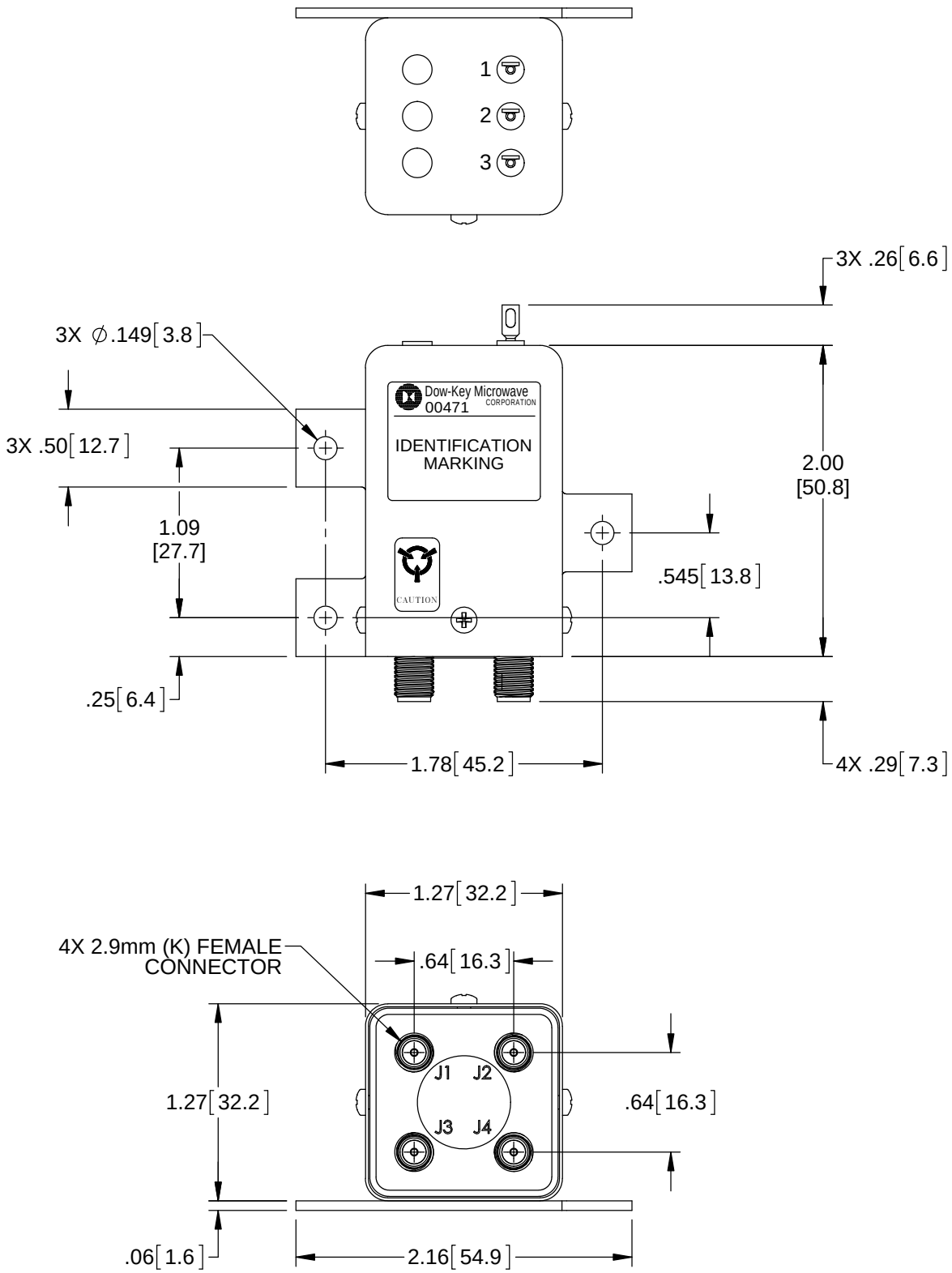
SWITCH, TRANSFER, FAILSAFE 2.9mm (K) FEMALE CONNECTORS 5V LOGIC, MTG BRACKET, 40 GHz

CODE IDENT. NO.	DWG. NO.	
00471	411CY-2X1102A	
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. 411CY-2X1102A	REV. C
	SCALE NONE	FINAL ASSY:	SHEET 2 OF 3

SPECIFICATION:

1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC - 6	6 - 12	12 - 18	18 - 26.5	26.5 - 40
1.2 VSWR (RATIO MAX)	1.30:1	1.40:1	1.50:1	1.70:1	1.90:1
1.3 INSERTION LOSS (dB MAX)	0.30	0.40	0.50	0.70	0.90
1.4 ISOLATION (dB MIN)	70	65	60	55	55
1.5 RF POWER (WATTS CW MAX) AT SEA LEVEL, +40˚C, LOAD VSWR 1:1	80	60	50	25	10
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	335mA
15	13-17	285mA
24	20-28	190mA
28	24-32	135mA

2.2 SWITCHING TIME — 20mS MAX

2.3 OPERATING MODE — FAILSAFE

3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT — TRANSFER

3.2 RF CONTACTS — BREAK BEFORE MAKE

3.3 WEIGHT — 3.6oz (102g) NOMINAL

3.4 DESIGN LIFE — 1,000,000 CYCLES MINIMUM

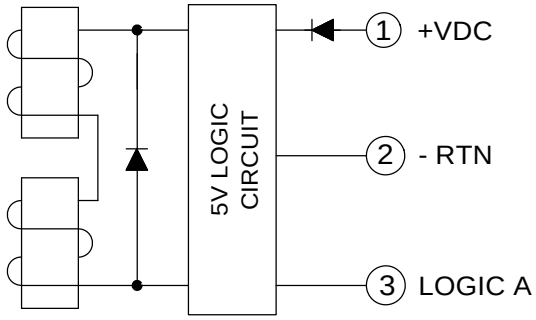
4.0 ENVIRONMENTAL:

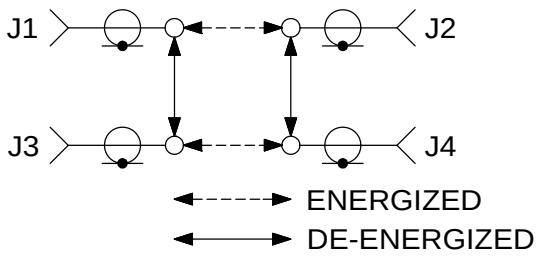
4.1 OPERATING TEMPERATURE — -25˚C TO +65˚C

4.2 STORAGE TEMPERATURE — -55˚C TO +85˚C

4.3 SEAL: — SAND AND DUST

SCHEMATIC:





LOGIC TRUTH TABLE	
RF PATH	LOGIC INPUT A
J1-J3/J2-J4	0
J1-J2/J3-J4	1

LOGIC "1" = 2.4 Vdc - 5.5 Vdc
LOGIC "0" = 0.0 Vdc - 0.8 Vdc

CODE IDENT. NO.	DWG. NO.	REV.
00471	411CY-2X1102A	C
SCALE NONE	FINAL ASSY:	SHEET 3 OF 3