

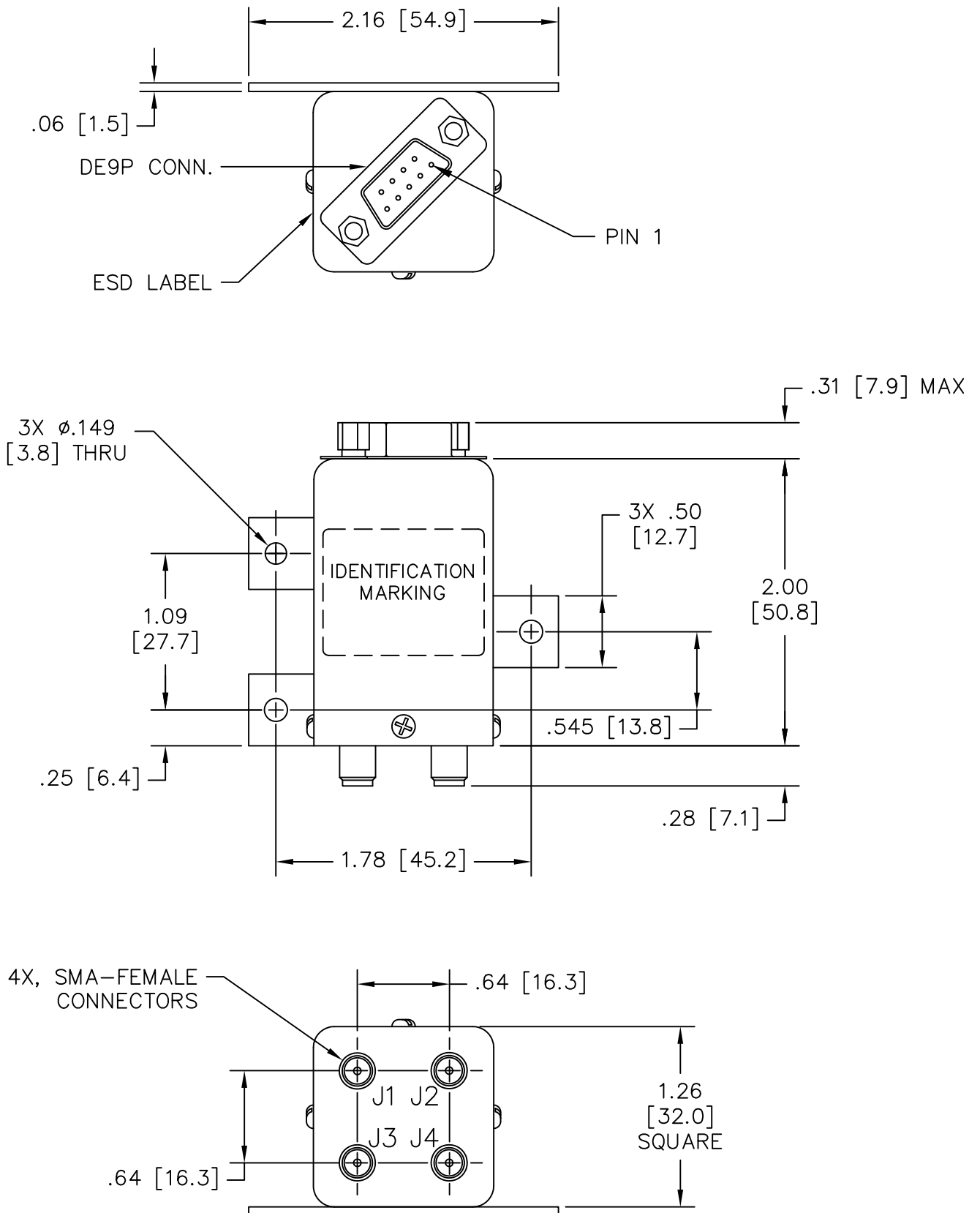
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	2/23/10	K.R.
B	REVISED PER ECO #9850	5/13/10	K.R.
C	REVISED PER ECO #10181	8/24/11	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	411CJW-420832
28 Vdc	411CJW-430832

Dow-Key has certified the product line to meet the passive intermodulation limits specified herein. PIM measurements may vary when different carrier frequencies, power levels, and/or PIM frequencies are used in the final application. PIM testing is not conducted as a part of the standard product acceptance test.

REVISIONS	C	C	C					 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		2/18/10						SWITCH, TRANSFER, LATCHING SELF CUT-OFF, SMA-FEMALE CONNECTORS, INDICATORS, DE9P, MTG BRACKET, LOW PASSIVE INTERMODULATION (PIM)			
ENG	S. LEE		2/18/10									
ENG. MGR.	G. NICKLAUS		2/20/10									
SALES MGR.	J. TRUJILLO		2/22/10									
Q.A. MGR.	S. LYNCH		2/23/10									
MFG. MGR.	S. WIGHTMAN		2/22/10									
CODE IDENT. NO.		00471							DWG. NO.		411CJW-4X0832	
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.
411CJW-4X0832

REV.
C

SCALE NONE

SHEET 2 OF 3

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	0-1	1-4	4-8	8-12	12-18
1.2 VSWR (RATIO MAX):	1.10:1	1.20:1	1.30:1	1.40:1	1.50:1
1.3 INSERTION LOSS (dB MAX):	0.10	0.20	0.30	0.40	0.50
1.4 ISOLATION (dB MIN):	85	80	70	65	60
1.5 RF POWER (WATTS CW MAX):	200	100	50	35	25
1.6 PASSIVE INTERMODULATION:					

TEST SIGNALS: CARRIER FREQUENCY 1: 1930 MHz, APPROXIMATELY 43dBm (20W)

CARRIER FREQUENCY 2: 1990 MHz, APPROXIMATELY 43dBm (20W)

SPECIFICATION REQUIREMENT: 3rd ORDER PIM PERFORMANCE: BELOW -160 dBc

3rd ORDER PIM FREQUENCY: 1870 MHz

2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (MAX) @ NOMINAL VOLTAGE & 25°C
12	11-16	250mA
28	24-32	180mA

2.2 SWITCHING TIME: 20ms MAX

2.3 OPERATING MODE: LATCHING SELF CUT-OFF

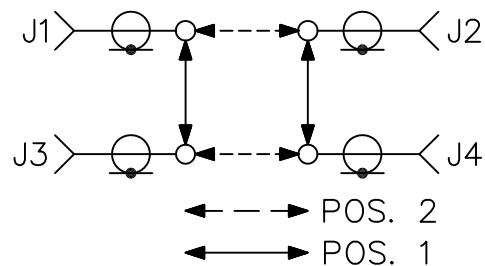
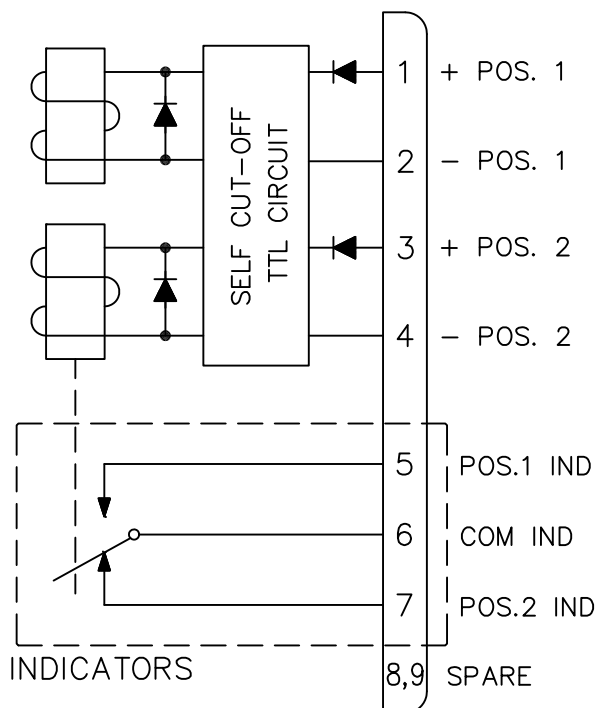
3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	3.8oz. (108g.) 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:



CODE IDENT. NO.

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REV.

C

SCALE NONE

SHEET 3 OF 3