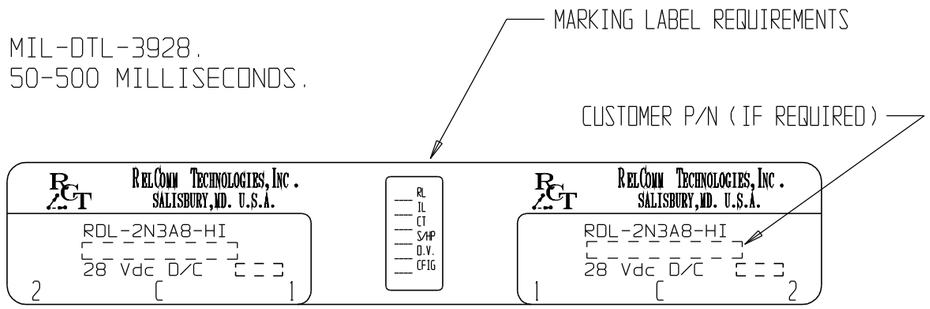
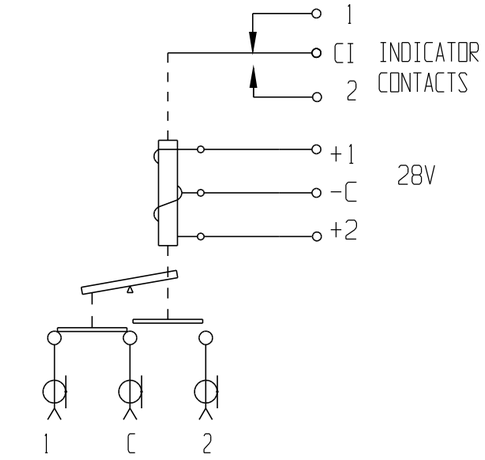
NOTES:
1. INTERPRET CALLOUTS/SYMBOLS PER ASME Y14.5M-1994.
2. METRIC (MILLIMETER) EQUIVALENTS ARE IN PARENTHESIS.
3. VERIFICATION OF CHARACTERISTICS ARE IN REFERENCE WITH MIL-DTL-3928.
4. RECOMMENDED PULSE WIDTH DURATION FOR SWITCHING RELAY, 50-500 MILLISECONDS.



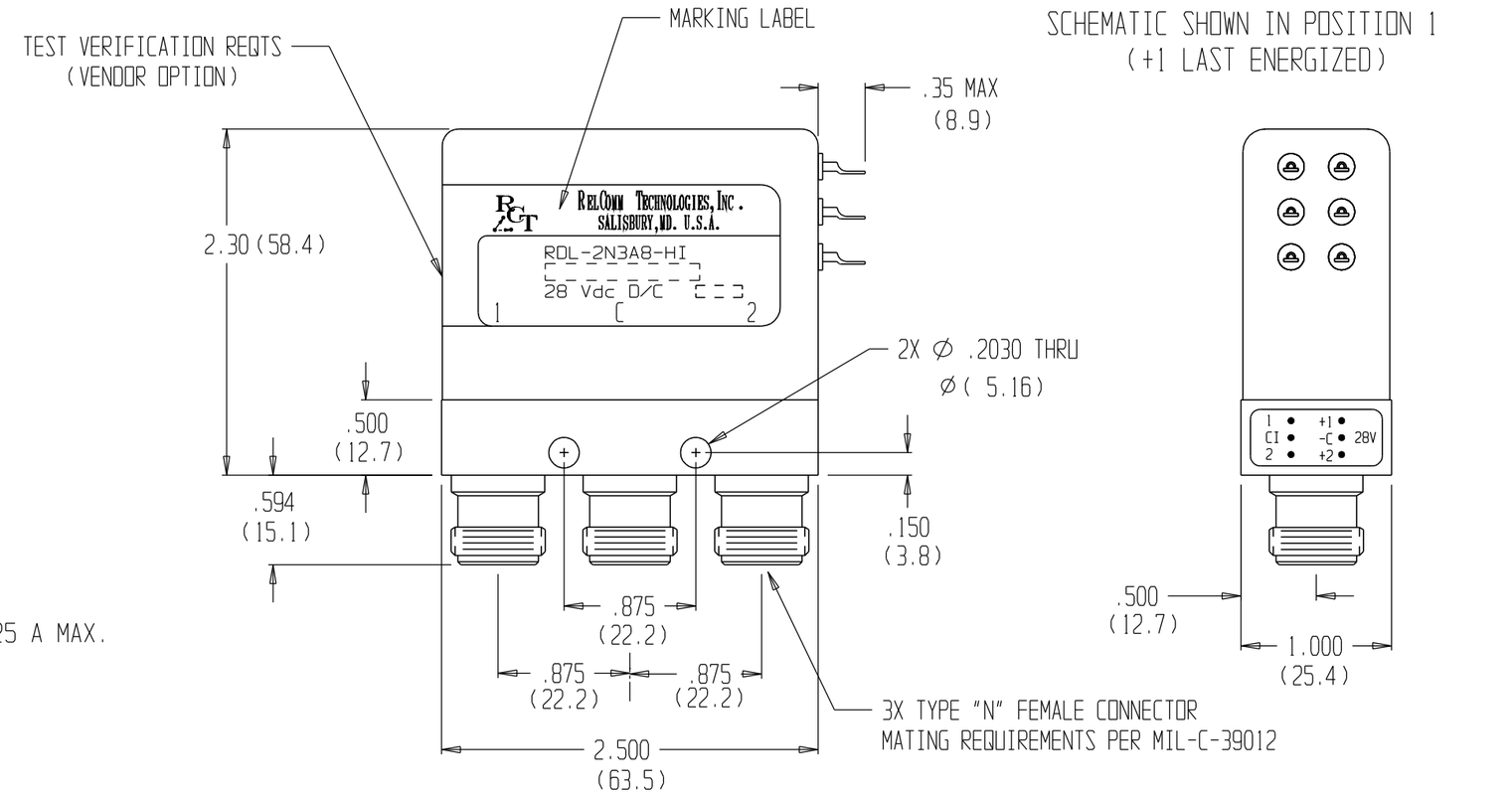


SCHEMATIC SHOWN IN POSITION 1
(+1 LAST ENERGIZED)

CHARACTERISTICS:

NOMINAL IMPEDANCE (OHM) --------	50		
FREQUENCY RANGE (GHz) ----------	DC-2	2-4	4-8
V.S.W.R. (MAX) -----------------	1.20:1	1.35:1	1.45:1
INSERTION LOSS (dB MAX) --------	0.20	0.35	0.40
ISOLATION (dB MIN) -------------	80	70	60
RF POWER THRU (WATTS CW) -------	375	275	200
HOT SWITCH RATING (WATTS CW) ---	100	80	60

TEMPERATURE RANGE (OPERATING) --	-30°C - +70°C
TEMPERATURE RANGE (STORAGE) ----	-55°C - +100°C
SWITCHING ACTION (LATCHING)-----	MAKE BEFORE BREAK
OPERATING VOLTAGE (OVER TEMP) --	24 - 32 Vdc
SWITCHING VOLTAGE (MAX @ 25°C) -	20 Vdc
ACTUATING CURRENT (mA MAX) ----	127 @ 28 Vdc & 25°C
SWITCHING TIME (MAX) -----------	20 mSEC
LIFE (COLD SWITCHING) ----------	300,000 CYCLES PER POSITION
HOT SWITCHING CYCLE LIFE -------	100,000 PER POSITION
INDICATOR RATING ---------------	5 WATTS TYP., 175 Vdc MAX., .25 A MAX.
WEIGHT (OZ) --------------------	8.0 NOM



MATERIALS/FINISH:

HOUSING ------	ALUMINUM/NICKEL
COVER --------	ALUMINUM/BLACK ANODIZED
CONNECTORS ---	STAINLESS STEEL/PASSIVATE
INSULATION ---	TEFLON
CONTACTS -----	BERYLLIUM COPPER/GOLD
TERMINALS ----	Ni-Fe/Sn-70 SOLDER

REV	ECN NO.	DATE	APPROVAL
1	1544	7/31/08	B.JONES

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
AND INCLUDE PLATING.
TOLERANCES
.XX ±.02 FRACTIONS ±
.XXX ±.010 SURFACE QUALITY
.XXXX ±.0050 63√ MAX

THIRD ANGLE PROJECTION

DR	B.JONES 07/30/03
CK	M.MAGDA
ENG	B.JONES
MFG	
QA	

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RELCOMM TECHNOLOGIES, INC.
610 BEAM STREET
SALISBURY, MARYLAND 21801
EXCELLENCE BY DESIGN

TITLE: COAXIAL RELAY 1P2T "PULSE LATCH" W/ INDICATORS

SIZE	DWG NO.	REV
B	RDL-2N3A8-HI	1

SCALE 1:1 | DO NOT SCALE DWG | SHEET 1 OF 1