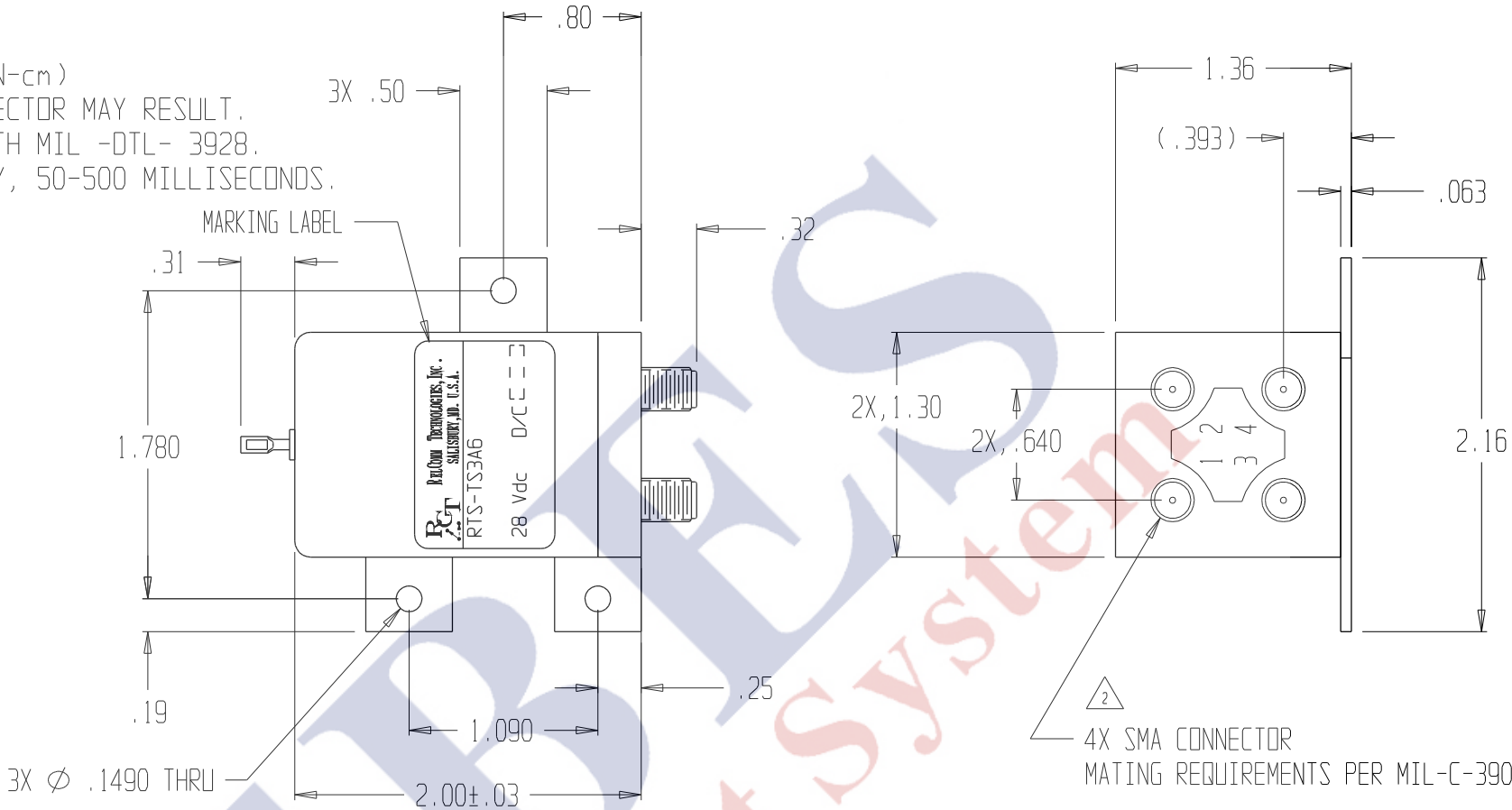
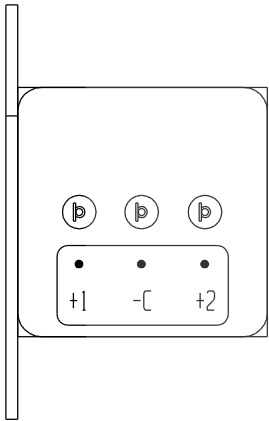
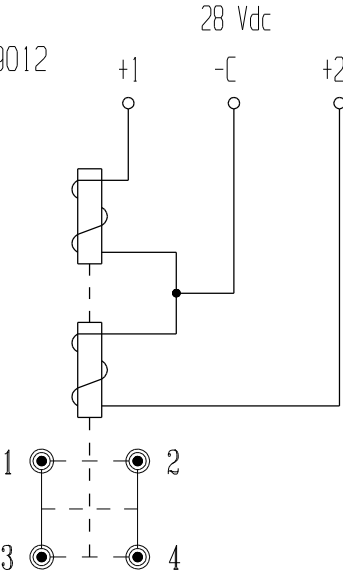


NOTES:

- 1. INTERPRET CALLOUTS/SYMBOLS PER ASME Y14.5M-1994
- 2. RECOMMENDED MATING CONNECTOR TORQUE IS 8 lb-in (90 N-cm)
DO NOT EXCEED 12 lb-in (136 N-cm) AS DAMAGE TO CONNECTOR MAY RESULT.
- 3. VERIFICATION OF CHARACTERISTICS ARE IN REFERENCE WITH MIL -DTL- 3928.
- 4. RECOMMENDED PULSE WIDTH DURATION FOR SWITCHING RELAY, 50-500 MILLISECONDS.



4X SMA CONNECTOR
MATING REQUIREMENTS PER MIL-C-39012



SCHEMATIC SHOWN IN POSITION 1 (+1 ENERGIZED)

POS. 1	1-2	3-4 (OPEN)	POS. 2	1-3	2-4 (OPEN)
	1-3	2-4 (CLOSED)		1-2	3-4 (CLOSED)

CHARACTERISTICS:

NOMINAL IMPEDANCE (OHM) -----	50			
FREQUENCY RANGE (GHz) -----	DC-1	1-2	2-4	4-6
V.S.W.R. (MAX) -----	1.10:1	1.15:1	1.20:1	1.30:1
INSERTION LOSS (dB MAX) -----	0.10	0.15	0.20	0.30
ISOLATION (dB MIN) -----	80	80	80	70
AVERAGE POWER (WATTS TYP) -----	185	120	85	60

TEMPERATURE RANGE (OPERATING) --	-40° C - +85° C
TEMPERATURE RANGE (STORAGE) ----	-55° C - +100° C
SWITCHING ACTION -----	BREAK BEFORE MAKE
OPERATING VOLTAGE (OVER TEMP) --	24 - 32 Vdc
SWITCHING VOLTAGE (MIN @ 25°C) -	21 Vdc
ACTUATING CURRENT (mA MAX) -----	164 @ 28 Vdc & 25° C
SWITCHING TIME (MAX) -----	15 mSEC
LIFE (MIN PER POSITION)-----	1 * 10^6 CYCLES
WEIGHT (OZ) -----	3.6 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

1	ECN 1702	10/28/09	A.MAGDA
REV	ECN NO.	DATE	APPROVAL

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	J.WILLIAMS 06/27/03
CK	B.JONES
ENG	M.MAGDA
MFG	
QA	
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		REL COMM TECHNOLOGIES, INC.	
		610 BEAM STREET	
		SALISBURY, MARYLAND 21801	
TITLE		COAXIAL TRANSFER RELAY "PULSE LATCHING"	
SIZE B	DWG NO.	RTS-TS3A6	REV 1
SCALE 1 : 1	DO NOT SCALE DWG	SHEET 1	OF 1