

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE PER NPR 9093	93-12-10	MP
B	REV'D P1-P4; ADDED P5 PER NPR 9414	95-05-11	<i>myd</i>

SALES DRAWING

REV. STATUS OF SHEETS						 P.O. BOX 4422 Santa Barbara, CA 93140-4422	
REV.	B	B	B	B	A		
SHEET	1	2	3	4	5	TITLE 10kV, 5 AMP, REED RELAY, SPST-NO	
REV.							
SHEET						DWG. NO. S05LTA SERIES	
PREP. BY	TANNER		93-12-09				
CHKD. BY	MP		93-12-10			CAGE CODE 18741	
ENG. APRVL.	RG		93-12-10				
						SHEET 1 OF 5	

SPECIFICATIONS:

PHYSICAL DATA	S05LTA135 & S05LTA145	S05LTA235 & S05LTA245	S05LTA335 & S05LTA345
CONTACT ARRANGEMENT	SPST-NO	SPST-NO	SPST-NO
FORM	A	A	A
WEIGHT (OZ.)	1	1	1

ENVIRONMENTAL DATA

SHOCK, 11 ms 1/2 SINE (g)	100	100	100
CONTACT RESONANCE (Hz)	800	800	800
OPERATING TEMPERATURE RANGE (°C)	-20 TO +70	-20 TO +70	-20 TO +70
STORAGE TEMPERATURE RANGE (°C)	-30 TO +110	-30 TO +110	-30 TO +110

ELECTRICAL DATA

RATED OPERATING VOLTAGE (Vdc)	10,000	10,000	10,000
CONTINUOUS CURRENT CARRY @ D.C. (A)	5	5	5
CONTACT RESISTANCE, INITIAL (mΩ)	250	250	250
CAPACITANCE			
BETWEEN OPEN CONTACTS (pF)	1	1	1
CLOSED CONTACTS TO GROUND (pF)	8	8	8
INSULATION RESISTANCE (GΩ)	10	10	10
OPERATE TIME (ms)	2	2	2
RELEASE TIME (ms)	2	2	2
MECHANICAL LIFE (MILLION CYCLES)	1,000	1,000	1,000

COIL DATA

COIL VOLTAGE, NOMINAL (Vdc)	5	12	24
COIL VOLTAGE, MAX. (Vdc)	6	15	30
PICK-UP VOLTAGE, MAX. (Vdc)	3.7	9	20
DROP-OUT VOLTAGE, MAX. (Vdc)	0.5	2	4
COIL RESISTANCE (OHMS ±10% @ 25°C)	28	150	780

NOTES: RATINGS LISTED ARE ACROSS THE OPERATING TEMPERATURE RANGE UNLESS OTHERWISE NOTED.

DIMENSIONS IN INCHES
(DIMENSIONS IN PARENTHESES ARE IN
MILLIMETERS)

TOLERANCES EXCEPT AS NOTED

.XX = ±.03

.XXX = ±.010

∠ X° = ±2°

DO NOT SCALE DWG.

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S05LTA SERIES

CAGE CODE

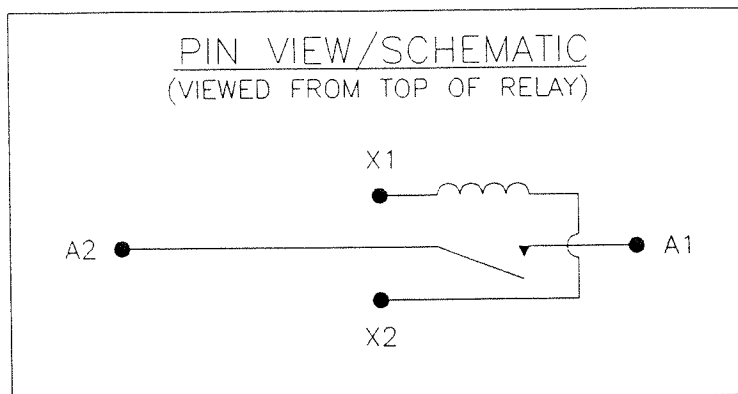
18741

SCALE

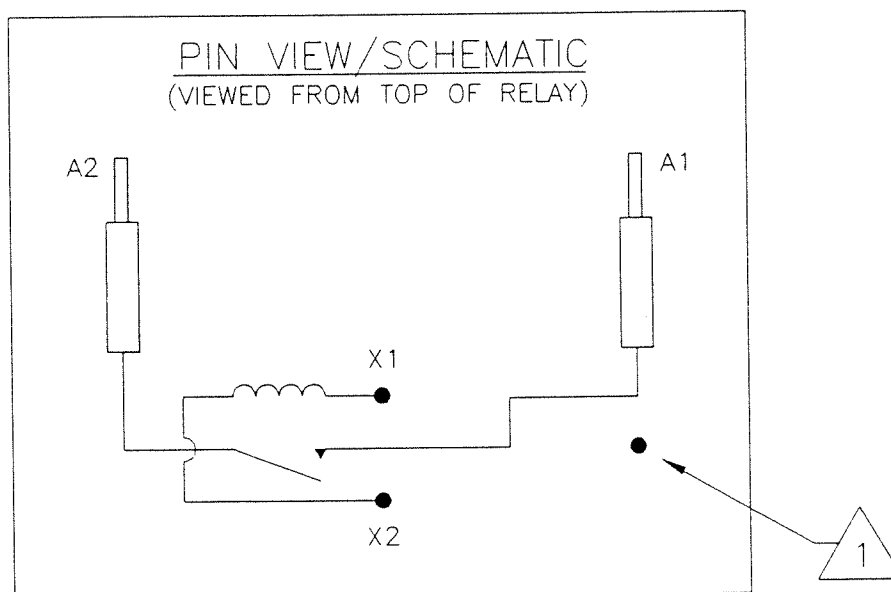
NONE

SHEET

2



FOR PART NUMBERS S05LTA135, S05LTA235 & S05LTA335



FOR PART NUMBERS S05LTA145, S05LTA245 & S05LTA345

NOTES:



MOUNTING LOCATION PIN. NO ELECTRICAL CONNECTION.

DIMENSIONS IN INCHES
(DIMENSIONS IN PARENTHESES ARE IN
MILLIMETERS)

TOLERANCES EXCEPT AS NOTED

.XX = ± 0.03

.XXX = ± 0.010

$\angle X^\circ = \pm 2^\circ$

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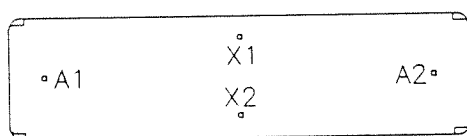
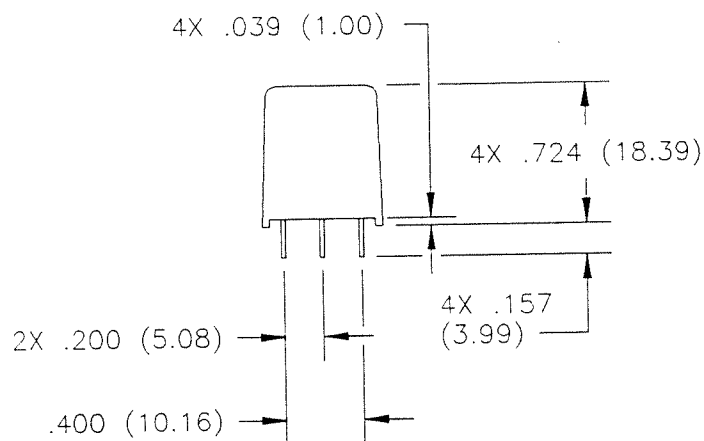
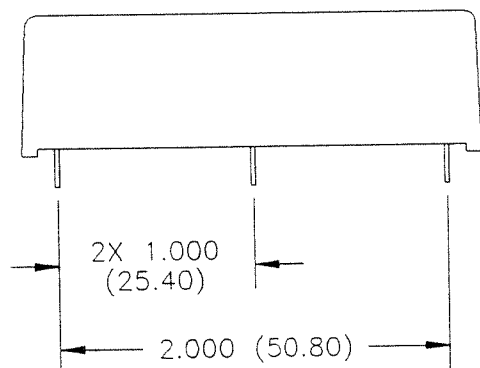
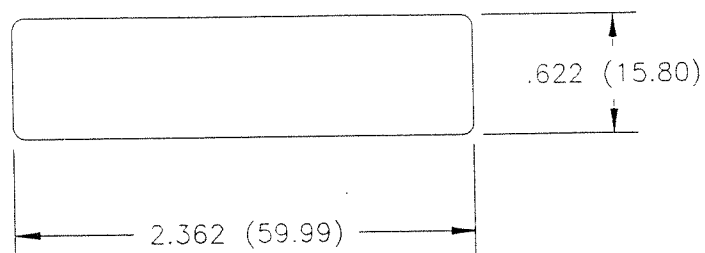
18741

SCALE

NONE

SHEET

3



NOTES:

- OVERALL DIMENSIONS ARE ALL MAXIMUMS.
- PIN DIMENSION TOLERANCES ARE AS FOLLOWS:
LENGTHS: $\pm .04$ (1.0)
SPACING: $\pm .006$ (.15)
- PINS ARE .025 (.63) SQUARE.

OUTLINE FOR PART NUMBERS S05LTA135, S05LTA235 & S05LTA335

DIMENSIONS IN INCHES
(DIMENSIONS IN PARENTHESES ARE IN
MILLIMETERS)

TOLERANCES EXCEPT AS NOTED

.XX = $\pm .03$

.XXX = $\pm .010$

$\angle X^\circ = \pm 2^\circ$

DO NOT SCALE DWG.

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CAGE CODE

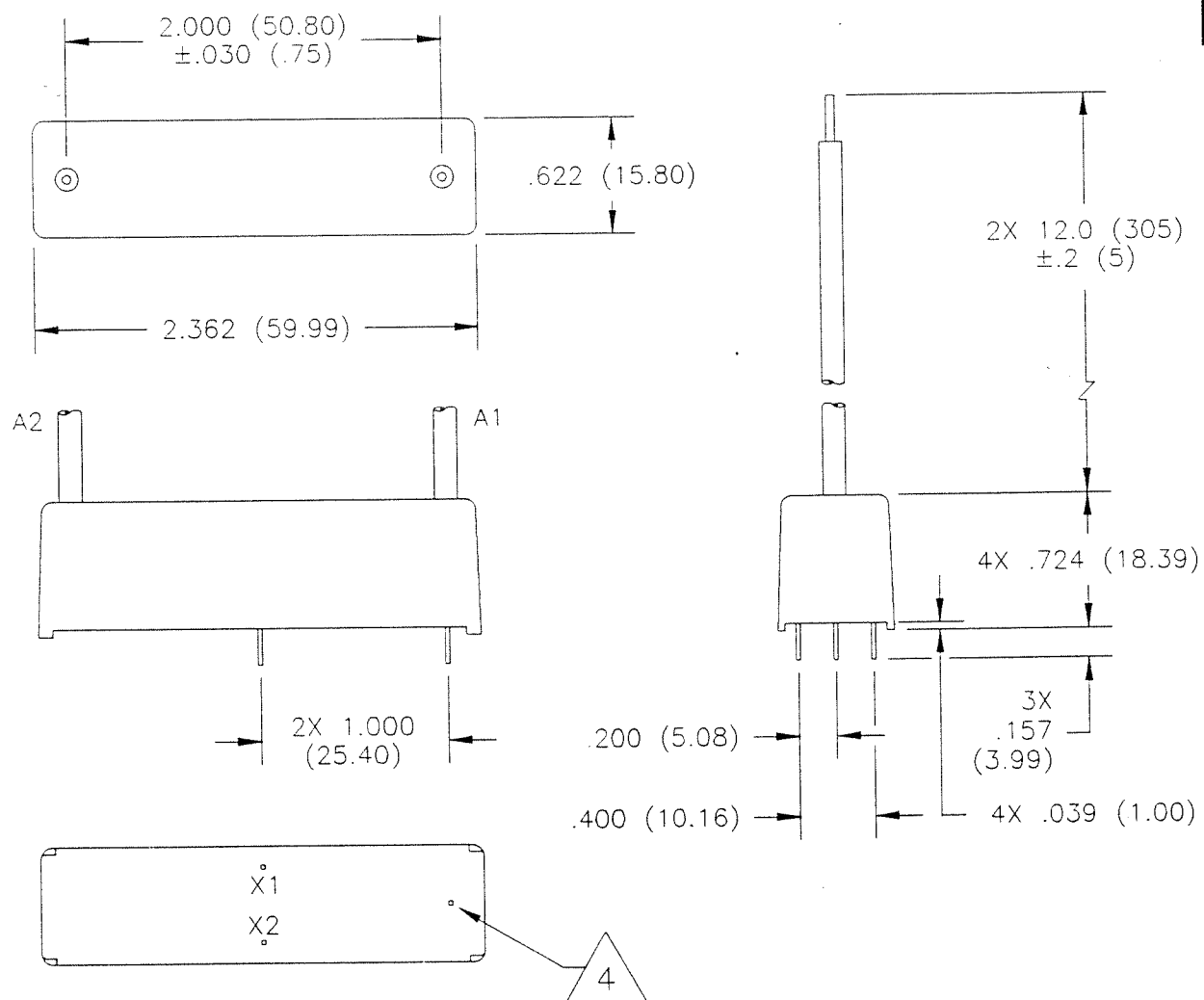
18741

SCALE

1:1

SHEET

4



NOTES:

- OVERALL DIMENSIONS ARE ALL MAXIMUMS.
- PIN DIMENSION TOLERANCES ARE AS FOLLOWS:
LENGTHS: $\pm .04$ (1.0)
SPACING: $\pm .006$ (.15)
- PINS ARE .025 (.63) SQUARE.
- MOUNTING LOCATION PIN. NO ELECTRICAL CONNECTION.

OUTLINE FOR PART NUMBERS S05LTA145, S05LTA245 & S05LTA345

DIMENSIONS IN INCHES
(DIMENSIONS IN PARENTHESES ARE IN
MILLIMETERS)

TOLERANCES EXCEPT AS NOTED

.XX = $\pm .03$

.XXX = $\pm .010$

$\angle X^\circ = \pm 2^\circ$

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SCALE

1:1

SHEET

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