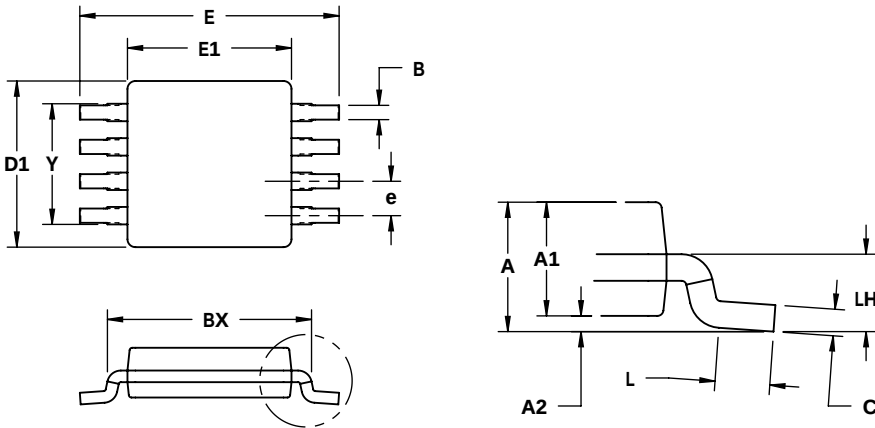
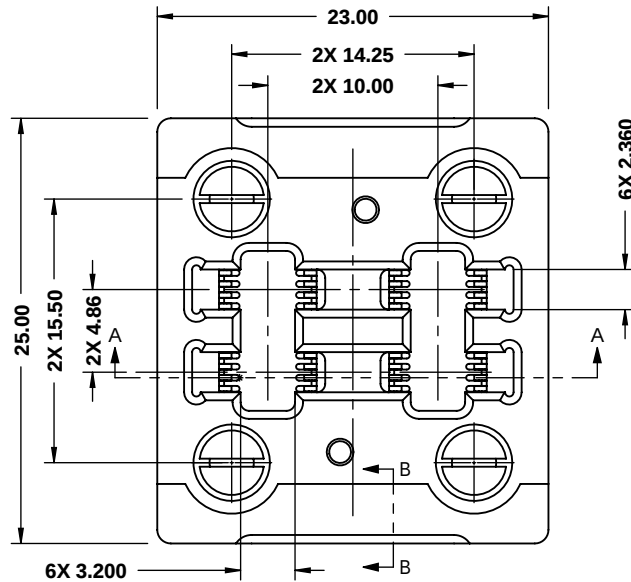


Leaded ROL™ 200 Series

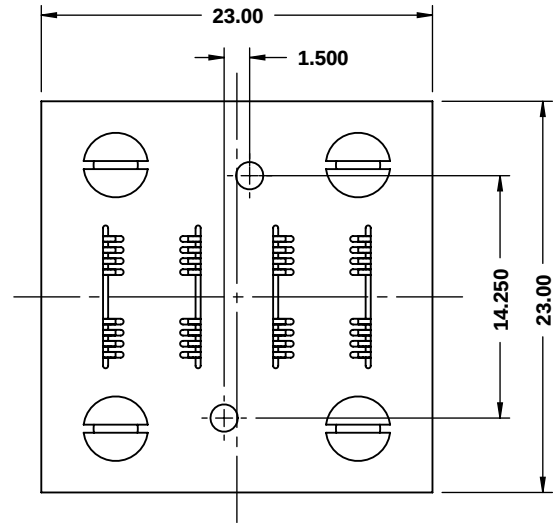
CONTACTOR FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS			DEVICE GEOMETRY	
	LEAD COUNT			
#	DESCRIPTION	UNITS IN MM		
	LEAD COUNT	8		
e	LEAD PITCH	0.65		
A	OVERALL THICKNESS	(1.07)		
A1	BODY THICKNESS	(0.94)		
A2	STANDOFF (A-A1)	0.13±0.02		
B	LEAD WIDTH	0.27 MIN		
C	LEAD THICKNESS	0.22±0.03		
L	LEAD FOOT LENGTH	0.25 MIN		
LH	LEAD HEIGHT	0.64±0.05		
E	OVERALL LEAD WIDTH	4.9±0.1		
E1	BODY SIZE	3.1±0.025		
D1	BODY SIZE	3.14±0.25		
BX	LEAD BEND WIDTH	4 MAX		
E2	GROUND PAD SIZE	0 MIN		
D2	GROUND PAD SIZE	0 MIN		
Y	LEAD GROUP WIDTH	2.28±0.025		
HANDLER			SRM/SIMECA/ISMECA	
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	309274-0001	CONTACTOR-8-SO-118-0.65-MULTISITE-ROL200	
2	1	309275-0001	HSG-8-SO-118-0.65-MULTISITE-ROL200	
3	32	140670-0003	CONTACT-LROL200-0.318THK-ECO1	
4	1	115832-0006	ELASTOMER-0.031INDIA-40D-BLUE	
5	1	115832-0053	ELASTOMER-0.028INDIA-40D-DARK-BROWN	
6	4	300321-0001	SCREW-FLAT-SLOTTED-M2.0-12.00-BRASS	
7	4	300322-0001	NUT-M2.0-BRASS	
8	1	309353-0001	MTG-PLATE	
9	1	309276-0001	ASSY-ALPL-SO-118-2.36-MULTISITE-ROL200	
10	1	304415-0001	ASSY-25SQ-DL-VCMA-PLUS-CUSTOM	
11	1	309278-0001	LEADBACKER-SO-118-2.28-MULTISITE-ROL200	
SPARE PARTS LIST				
PART NUMBER		DESCRIPTION		
142216-0010		KIT-CONTACT-LROL200-0.318THK-ECO1		
142216-0100		KIT-CONTACT-LROL200-0.318THK-ECO1		
110232-0001		KIT-ELASTOMER-0.031INDIA-BLUE		
160805-0001		KIT-ELASTOMER-0.028INDIA-DARK BROWN		
*MANUAL ACTUATORS, LEADBACKERS, & ALIGNMENT PLATES MAY OR MAY NOT BE INCLUDED WITH THE FINAL ORDER DEPENDING UPON CUSTOMER REQUIREMENTS.				
*MANUAL ACTUATORS, LEADBACKERS, & ALIGNMENT PLATES ARE REQUIRED FOR MANUAL TEST.				

Leaded ROL™ 200 Series

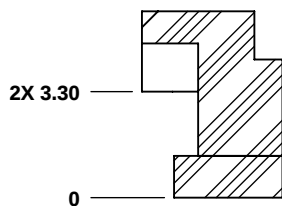
CONTACTOR LAYOUT



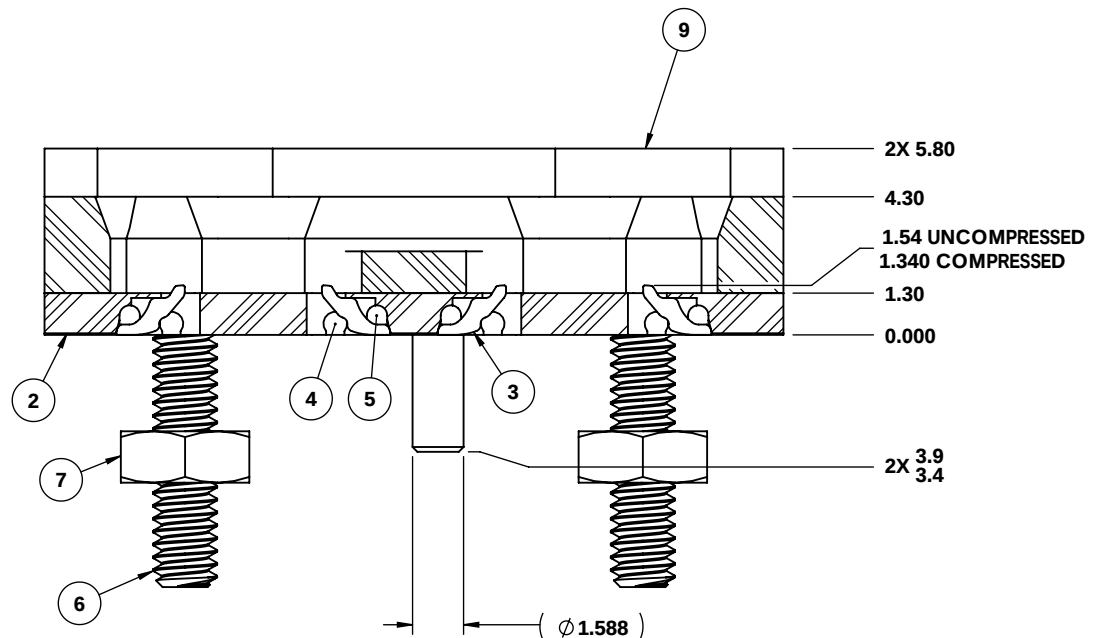
TOP VIEW OF CONTACTOR
WITH ALIGNMENT PLATE



TOP VIEW OF CONTACTOR



SECTION B-B

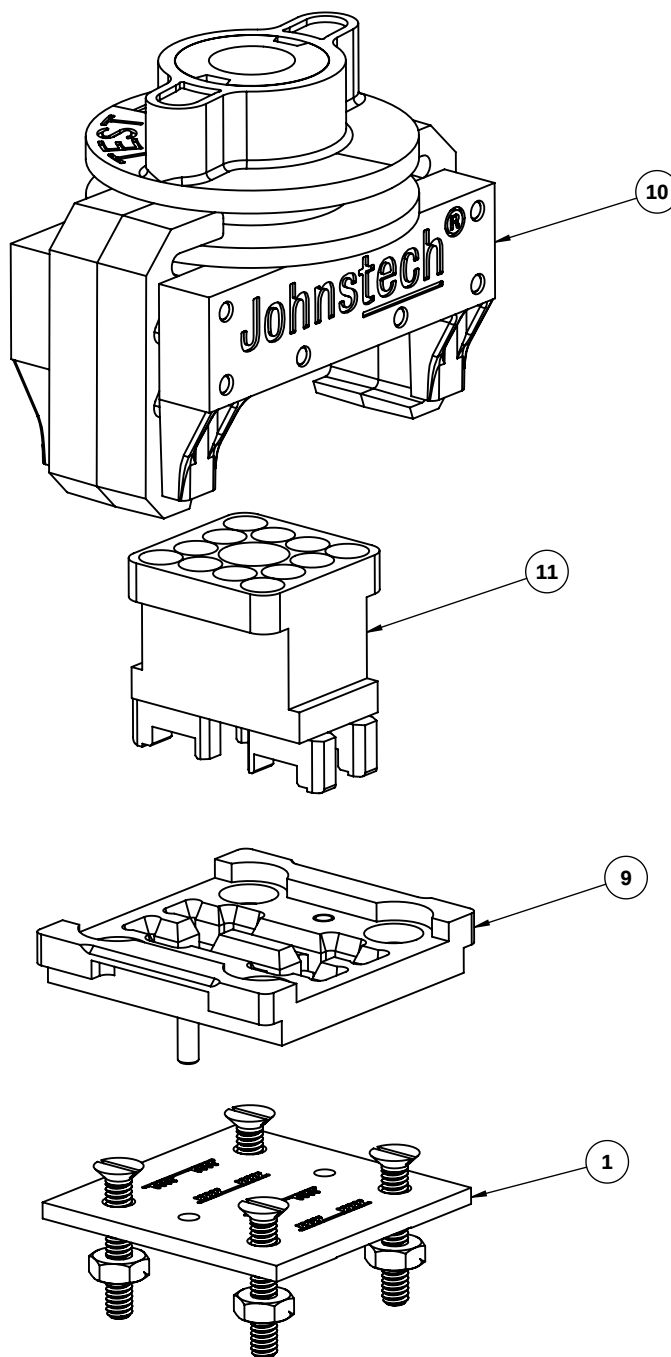


SECTION A-A

UNITS METRIC UNLESS OTHERWISE SPECIFIED. TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX $\pm$ 0.25 / X.XX $\pm$ 0.10 / X.XXX $\pm$ 0.025

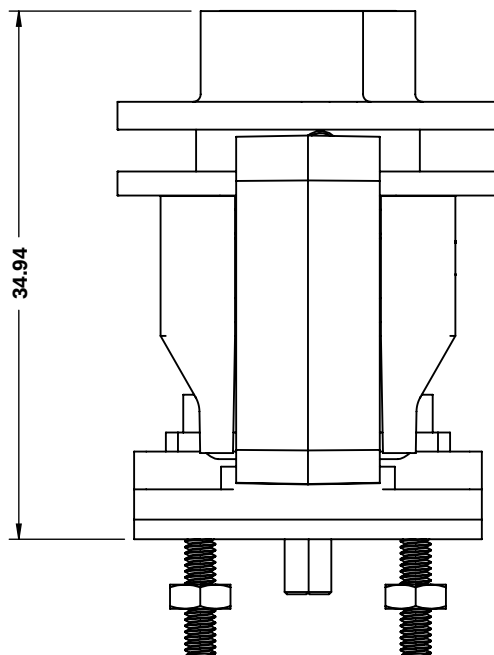
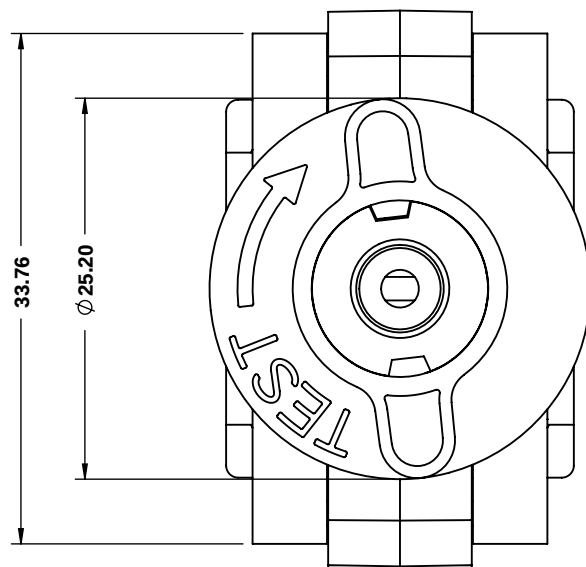
Leaded ROL™ 200 Series

EXPLODED VIEW

UNITS METRIC UNLESS OTHERWISE SPECIFIED. TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX $\pm$ 0.25 / X.XX $\pm$ 0.10 / X.XXX $\pm$ 0.025

Leaded ROL™ 200 Series

CONTACTOR AND ALPL WITH DL-VCMA

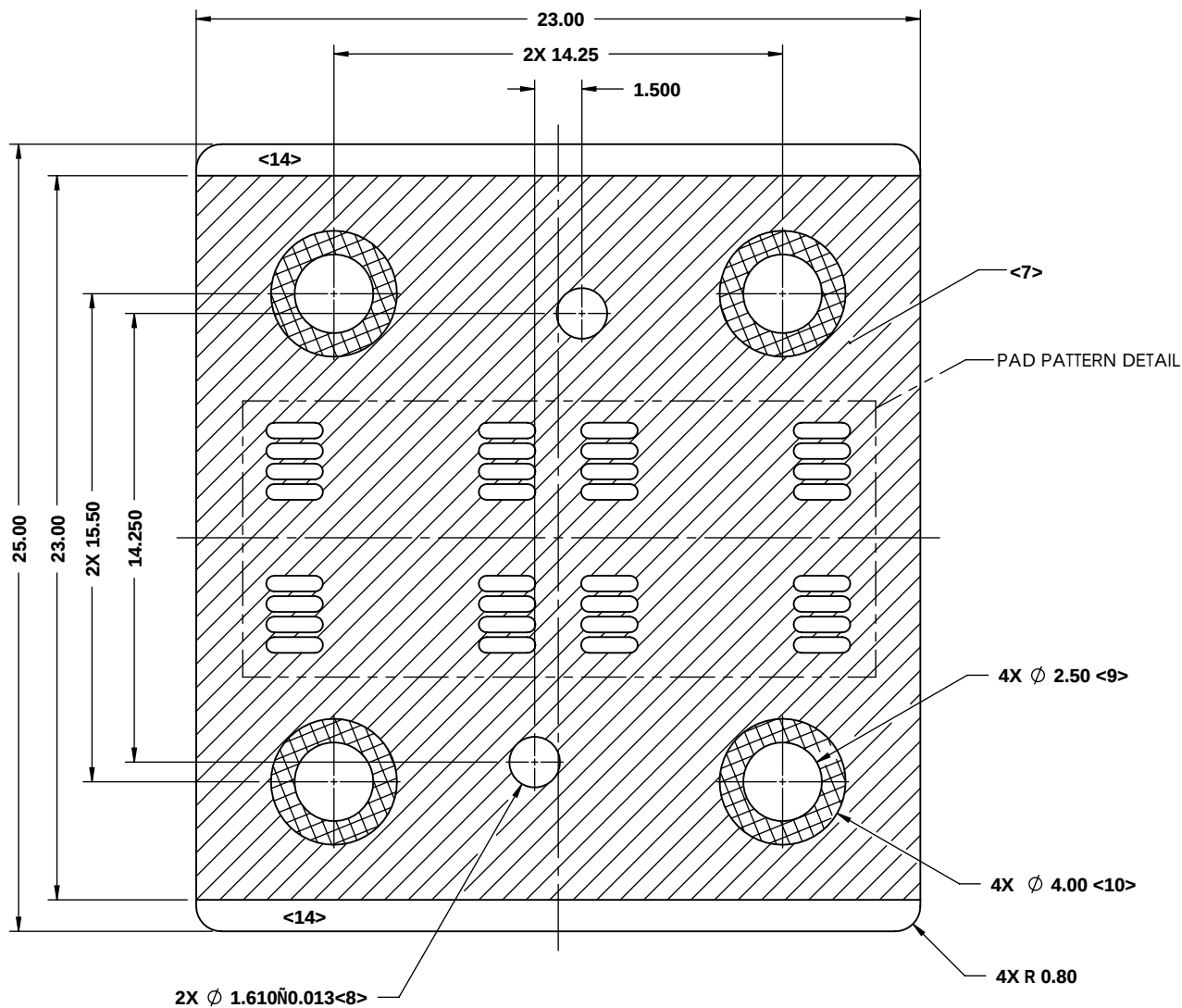


*TALLEST POSITION OF ASSEMBLY

UNITS METRIC UNLESS OTHERWISE SPECIFIED. TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX $\pm$ 0.25 / X.XX $\pm$ 0.10 / X.XXX $\pm$ 0.025

Leaded ROL™ 200 Series

LOAD BOARD LAYOUT



UNITS METRIC UNLESS OTHERWISE SPECIFIED. TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX ± 0.25 / X.XX ± 0.10 / X.XXX ± 0.025

Leaded ROL™ 200 Series

LOAD BOARD PAD PATTERN DETAIL	LOAD BOARD PAD DETAIL (32X)
	LOAD BOARD GROUND PAD DETAIL
	N/A

NOTES

- 1 PLATING: 200 MICROINCH NI/50 MICROINCH AU MIN THICKNESS. NICKEL PLATE (ELECTROPLATED) PER ASTM B689-97, TYPE 2, CLASS 5. GOLD PLATE (ELECTROPLATED) PER ASTM B488, TYPE 1, CODE C, CLASS 1.25.
- 2 MATCH THE IMPEDANCE OF THE TRACES AND THE PADS TO OBTAIN OPTIMUM ELECTRICAL PERFORMANCE (50 OHM OR OTHER).
- 3 TRACES TO THE PADS SHOULD BE THE SAME WIDTH AS THE PAD, IDEALLY THE SAME WIDTH AS THE CONTACTOR PIN.
- 4 PAD AND TRACE WIDTHS MAY BE MODIFIED SLIGHTLY TO FACILITATE IMPEDANCE MATCHING WITHIN AVAILABLE MATERIAL DIELECTRICS AND LOAD BOARD THICKNESS.
- 5 PLEASE CONTACT JOHNSTECH INTERNATIONAL CORPORATION TO ANSWER QUESTIONS ABOUT LOAD BOARD-TO-CONTACTOR IMPEDANCE MATCHING REQUIREMENTS.
- 6 DIMENSIONS SYMMETRICAL ABOUT BOTH CENTERLINES UNLESS OTHERWISE NOTED.
- <7> CONTACTOR MOUNTING AREA TO BE FLAT, FREE OF BURRS, SOLDER MASK, SCREENING, ETC.
- <8> LOAD BOARD/CONTACTOR ALIGNMENT PIN HOLES.
- <9> 'PEM NUT' SUGGESTED FOR MOUNTING CONTACTOR. THREAD TYPE DEPENDENT ON CUSTOMER REQUIREMENTS. (THREADED INSERT TO BE SUPPLIED BY LOAD BOARD MANUFACTURER).
- <10> PLATED PAD FOR CONTACTOR MOUNTING (MANDATORY).
- <11> DECOUPLING RESISTOR MOUNTING AREA (1.5 MAX COMPONENT HEIGHT.)
- <12> MINIMUM PAD SIZE RECOMMENDED TO ACCOMMODATE THE GROUNDING CONFIGURATIONS USED WHEN APPLICABLE.
- <13> INDICATES GROUND CONTACT LOCATION WHEN APPLICABLE, IT IS RECOMMENDED VIAS NOT BE LOCATED IN THIS AREA.
- <14> MANUAL ACUATOR FRAME OVERHANG AREA (3.05 MAX COMPONENT HEIGHT).

REV.	ECO#	REVISION DESCRIPTION	DATE	REVISED BY	APPVL BY
A	43865	RELEASED	12/04/2019	MFH	GSM

UNITS METRIC UNLESS OTHERWISE SPECIFIED. TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX±0.25 / X.XX±0.10 / X.XXX±0.025