

Pad ROL™200 Series

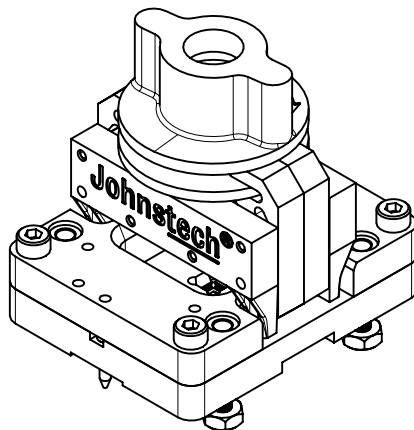
CONTACTOR FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS.			DEVICE GEOMETRY
#	DESCRIPTION	UNITS IN MM	
	LEAD COUNT	20	
J	LEAD PITCH	0.50	
H	LAND PAD WIDTH	0.20 MIN	
G	LAND PAD LENGTH	0.30 MIN	
F	BODY SIZE	3.50±0.05	
E	BODY SIZE	3.50±0.05	
D	GROUND PAD SIZE	0.80 MIN	
C	GROUND PAD SIZE	0.80 MIN	
B	LAND PAD PROTRUSION	0.00-0.05	
A	OVERALL HEIGHT	0.50-1.00	
	RECOMMENDED PLATING	NiPdAu, NiPd, Au	

HANDLER	MULTITEST 99XX
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PARTS LIST		
QTY	PART#	DESCRIPTION
1	182069-0001	CONTACTOR-20-QFN-3.5X3.5-0.50-ROL200
1	172136-0001	ASSY-ALPL/C-20-QFN-3.5X3.5-0.50-ROL200
1	170552-0001	ASSY-25SQ-2.00/5.00-DL-VCMA-PLUS
1	172139-0001	LB-QFN-3.5X3.5-0.5/1.0THK-ROL200

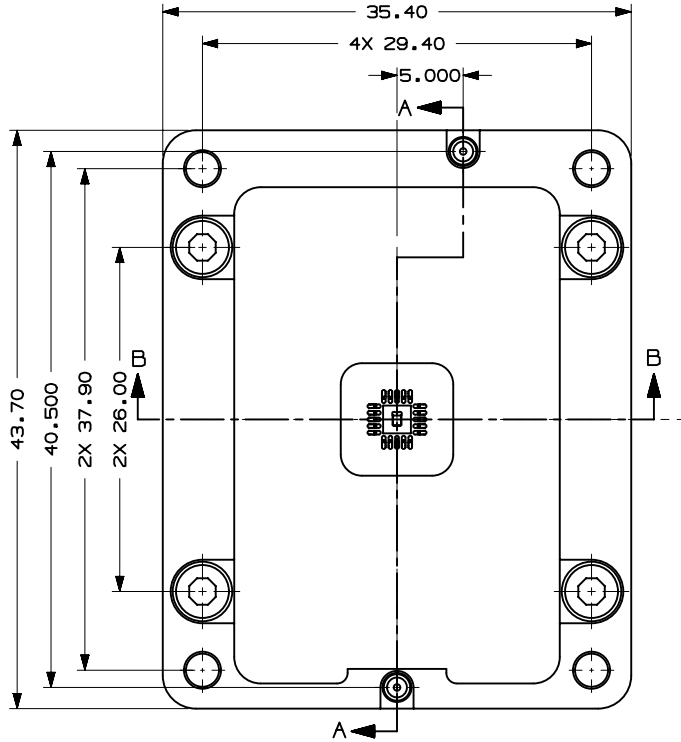
SPARE PARTS LIST		
QTY	PART#	DESCRIPTION
10	160995-0010	KIT-CONTACT-PROL200-0.269THK-XL2-FINE-TIP
100	160995-0100	KIT-CONTACT-PROL200-0.269THK-XL2-FINE-TIP
1	110232-0001	KIT-ELASTOMER-0.031inDIA-BLUE
1	119493-0001	KIT-ELASTOMER-0.027inDIA-RED
1	128052-0001	KIT-G3-CBC-SINGLE-ASSEMBLY
1	730251	PID100-35.40X43.70-0.10QFN03-0.500

CONTACTOR & ALIGNMENT PLATE WITH MANUAL ACTUATOR

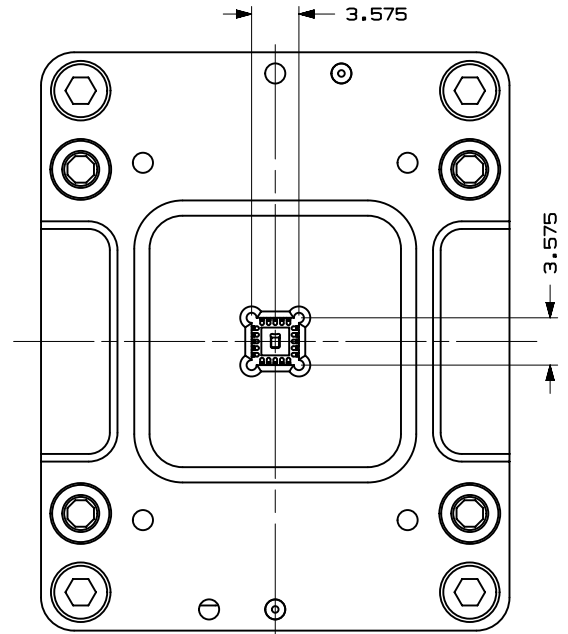


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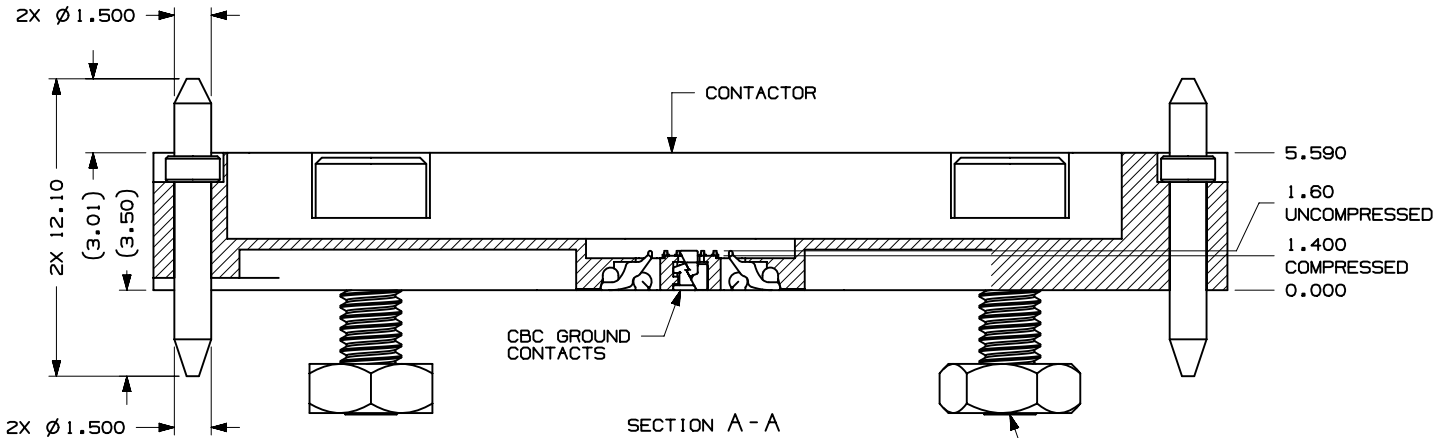
CONTACTOR LAYOUT



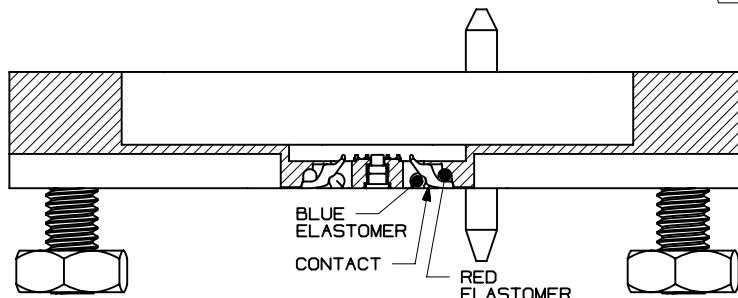
TOP VIEW OF CONTACTOR
 WITHOUT ALIGNMENT PLATE



TOP VIEW OF CONTACTOR
 WITH ALIGNMENT PLATE



SECTION A - A

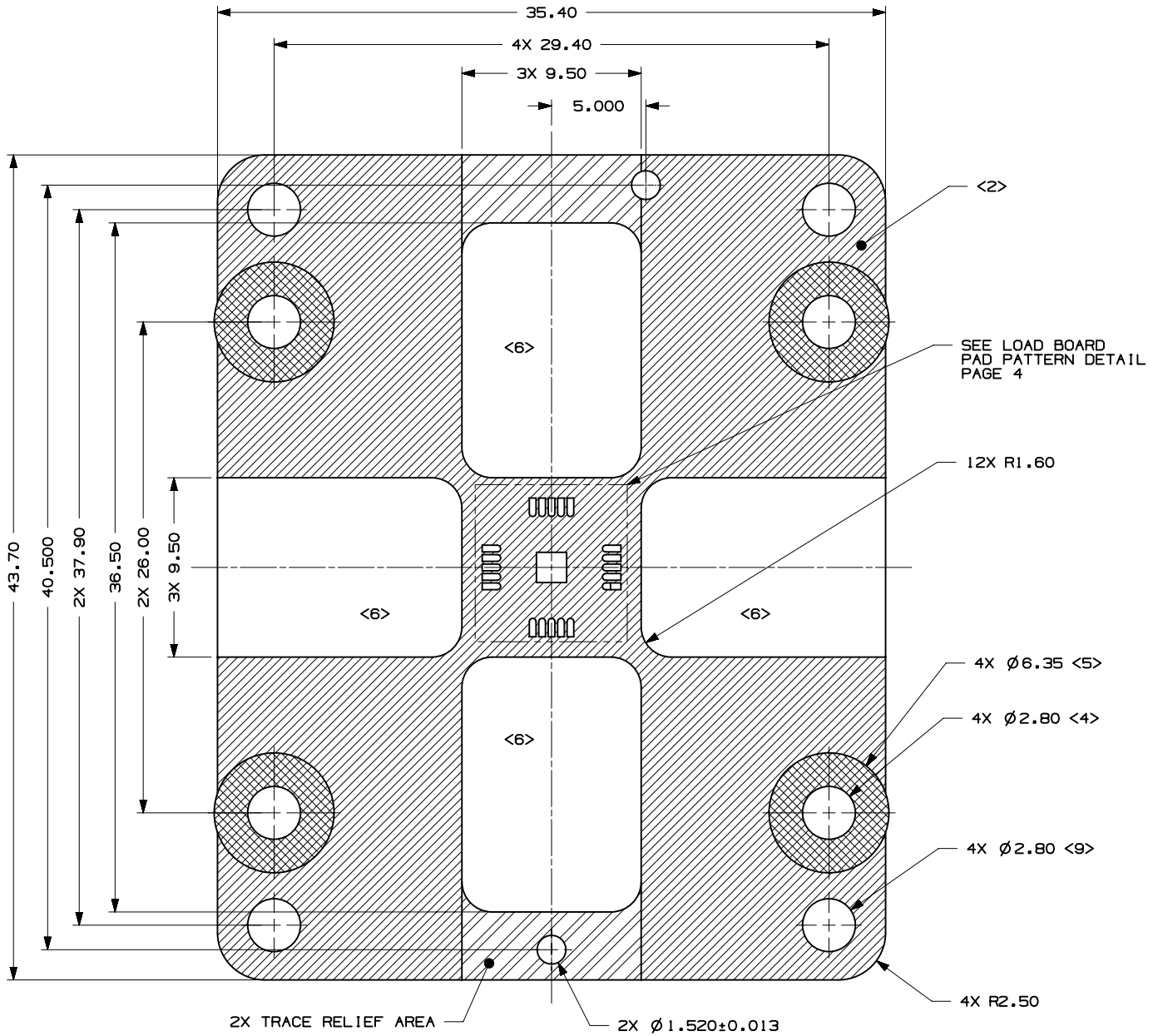


SECTION B - B

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

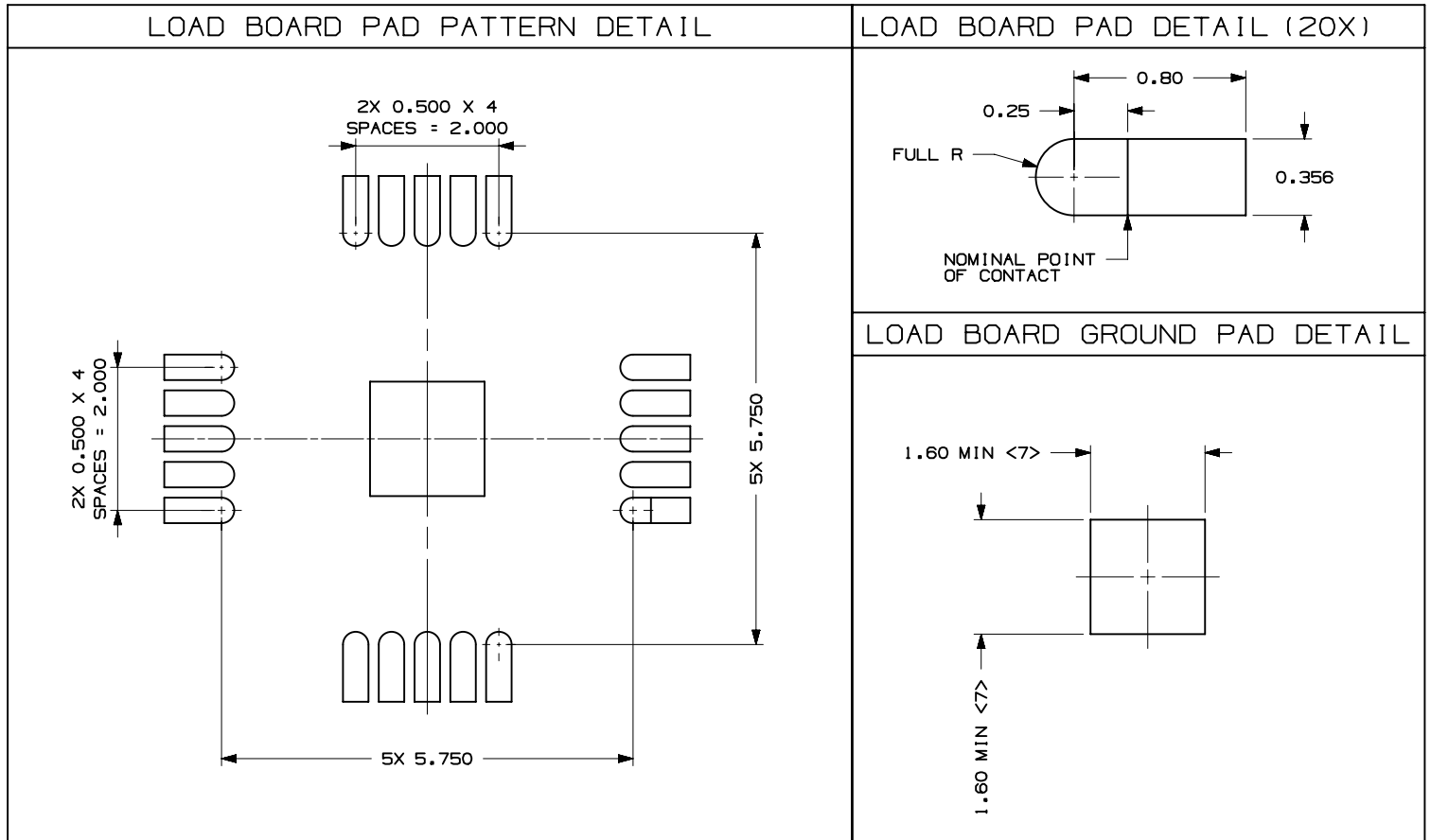
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LOAD BOARD LAYOUT



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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> CONTACTOR MOUNTING AREA TO BE FLAT, FREE OF BURRS, SOLDER MASK, SCREENING, ETC.
- <3> LOAD BOARD/CONTACTOR ALIGNMENT PIN HOLES.
- <4> 'PEM NUT' SUGGESTED FOR MOUNTING CONTACTOR. THREAD TYPE DEPENDENT ON CUSTOMER REQUIREMENTS. (THREADED INSERT TO BE SUPPLIED BY LOAD BOARD MANUFACTURER).
- <5> PLATED PAD FOR CONTACTOR MOUNTING (MANDATORY).
- <6> DECOUPLING RESISTOR MOUNTING AREA 1.50 MAX COMPONENT HEIGHT.
- <7> MINIMUM PAD SIZE RECOMMENDED TO ACCOMMODATE THE GROUNDING CONFIGURATIONS USED WHEN APPLICABLE.
- <8> INDICATES GROUND CONTACT LOCATION WHEN APPLICABLE, IT IS RECOMMENDED VIAS NOT BE LOCATED IN THIS AREA.
- <9> OPTIONAL CLEARANCE HOLES FOR MANUAL ACTUATOR FRAME HARDWARE. ONLY REQUIRED IF HARDWARE OTHER THAN JOHNSTECH INTERNATIONAL CORPORATION HARDWARE IS USED.
- 10 MATCH THE IMPEDANCE OF THE TRACES AND THE PADS TO OBTAIN OPTIMUM ELECTRICAL PERFORMANCE (50 OHM OR OTHER).
- 11 TRACES TO THE PADS SHOULD BE THE SAME WIDTH AS THE PAD, IDEALLY THE SAME WIDTH AS THE CONTACTOR PIN.
- 12 PAD AND TRACE WIDTHS MAY BE MODIFIED SLIGHTLY TO FACILITATE IMPEDANCE MATCHING WITHIN AVAILABLE MATERIAL DIELECTRICS AND LOAD BOARD THICKNESS.
- 13 PLEASE CONTACT JOHNSTECH INTERNATIONAL CORPORATION TO ANSWER QUESTIONS ABOUT LOAD BOARD-TO-CONTACTOR IMPEDANCE MATCHING REQUIREMENTS.
- 14 DIMENSIONS SYMMETRICAL ABOUT BOTH CENTERLINES UNLESS OTHERWISE NOTED.

REV	ECO#	DESCRIPTION	REVISED BY	APPROVED BY
A	36609	RELEASED. SIMILAR TO 8091-0201 EXCEPT: ALIGNMENT PIN & DL-VCMA. DESIGN COMPATIBLE WITH LOADBOARD 633818-0001.	SKJ 10/06/14	CRK 10/06/14

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