

Pad ROL™200 Series

[illegible]

HANDLER	MULTITEST 99XX
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PARTS LIST			
ITEM	QTY	PART#	PART NAME
1	1	186235-0001	CONTACTOR-39-QFN-5.0X6.0-VAR-ROL200
2	1	180156-0001	HSG-39-QFN-5.0X6.0-VAR-ROL200
3	39	138337-0002	CONTACT-PROL200-0.168THK-GP-FINE-TIP
4	1	115832-0039	ELASTOMER-0.032inDIA-50D-GRAY
5	1	115832-0052	ELASTOMER-0.030INDIA-40D-YELLOW
6	2	173229-0001	PIN-ALIGNMENT-M9918-dia.1.500mm
7	4	500500-0005	SCREW-CAP-SOCKET-M2.5-8.00-SST
8	4	500126-0001	NUT-HEX-M2.5-SST
9	4	500594-0001	INSERT-THRD-M2.5-3.43THK-SST
10	1	186238-0001	MTG-PLATE-CUSTOM
11	1	180160-0001	ASSY-ALPL/C-39-QFN-5.0X6.0-VAR-ROL200
12	1	180183-0001	ASSY-RCI-5.0X6.0-0.45-ROL200
13	1	170553-0002	ASSY-25SQ-6.00/7.00-AL-VCMA-PLUS
14	1	181047-0001	LB-QFN-5X6-0.75/1.25THK-ROL200

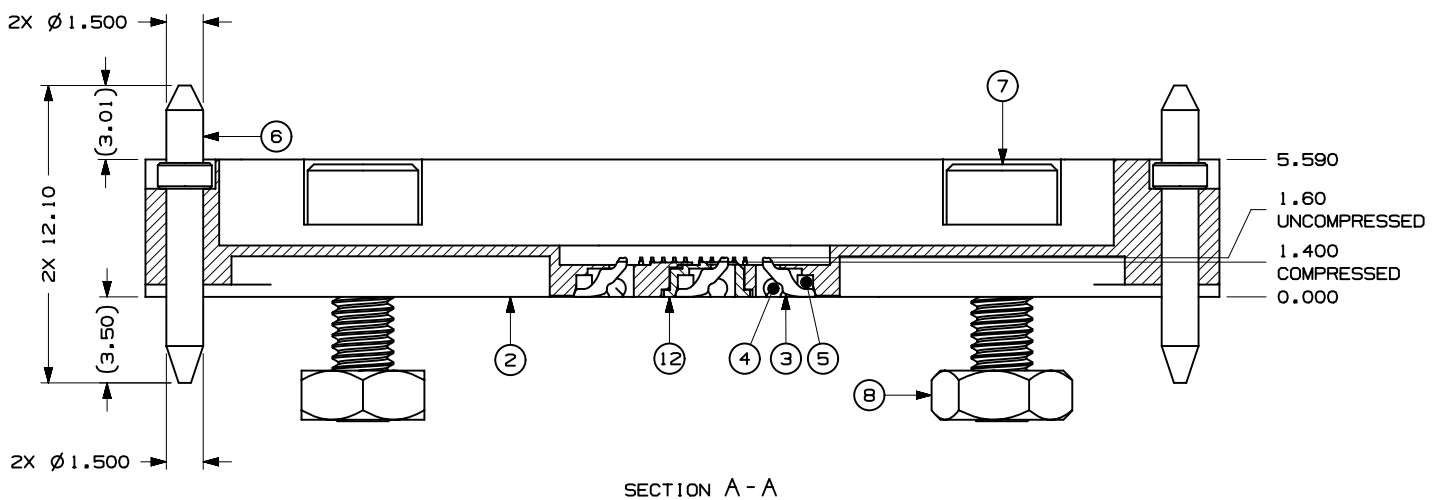
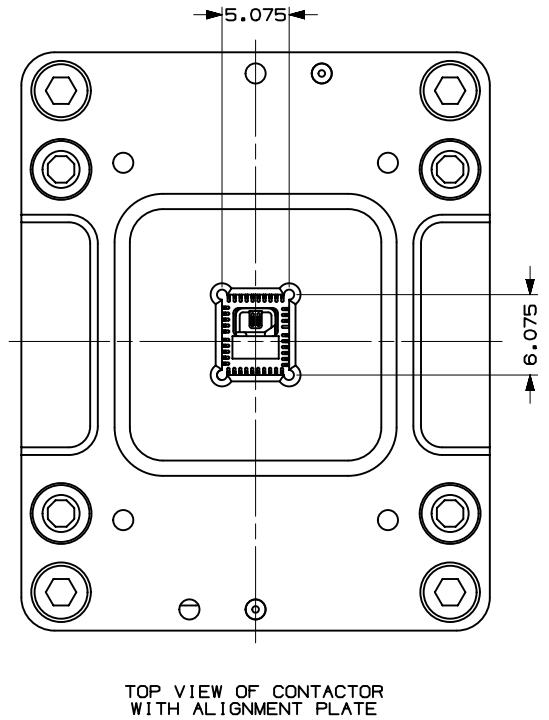
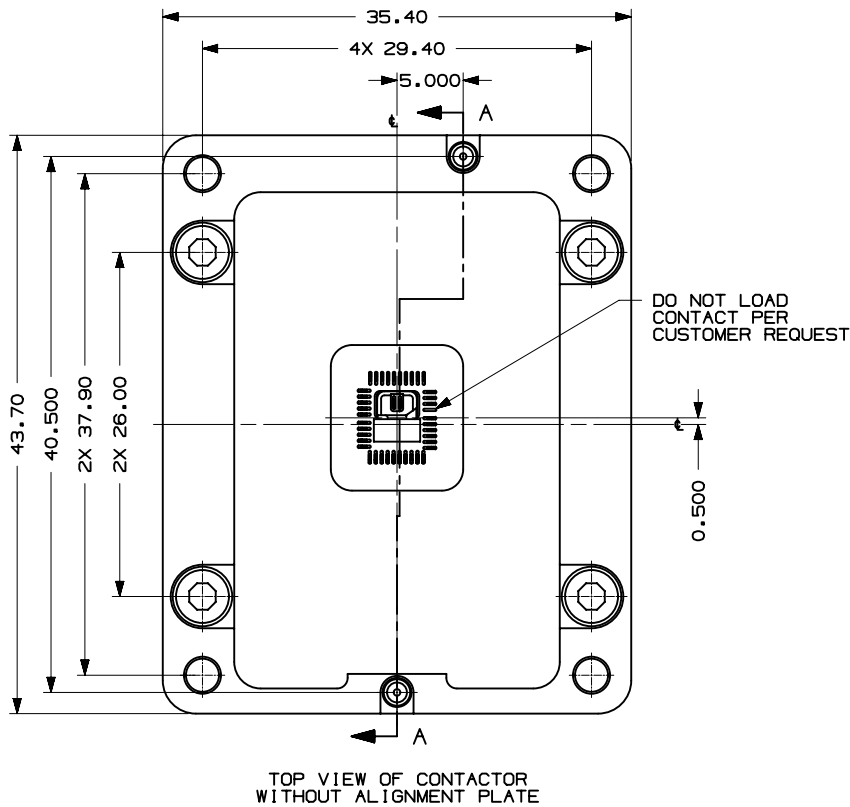
SPARE PARTS LIST		
QTY	PART #	DESCRIPTION
10	138229-0010	KIT-CONTACT-PROL200-0.168THK-GP-FINE-TIP
100	138229-0100	KIT-CONTACT-PROL200-0.168THK-GP-FINE-TIP
1	138335-0001	KIT-ELASTOMER-0.032inDIA-GRAY
1	159628-0001	KIT-ELASTOMER-0.030inDIA-YELLOW

*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.

Pad ROL™200 Series

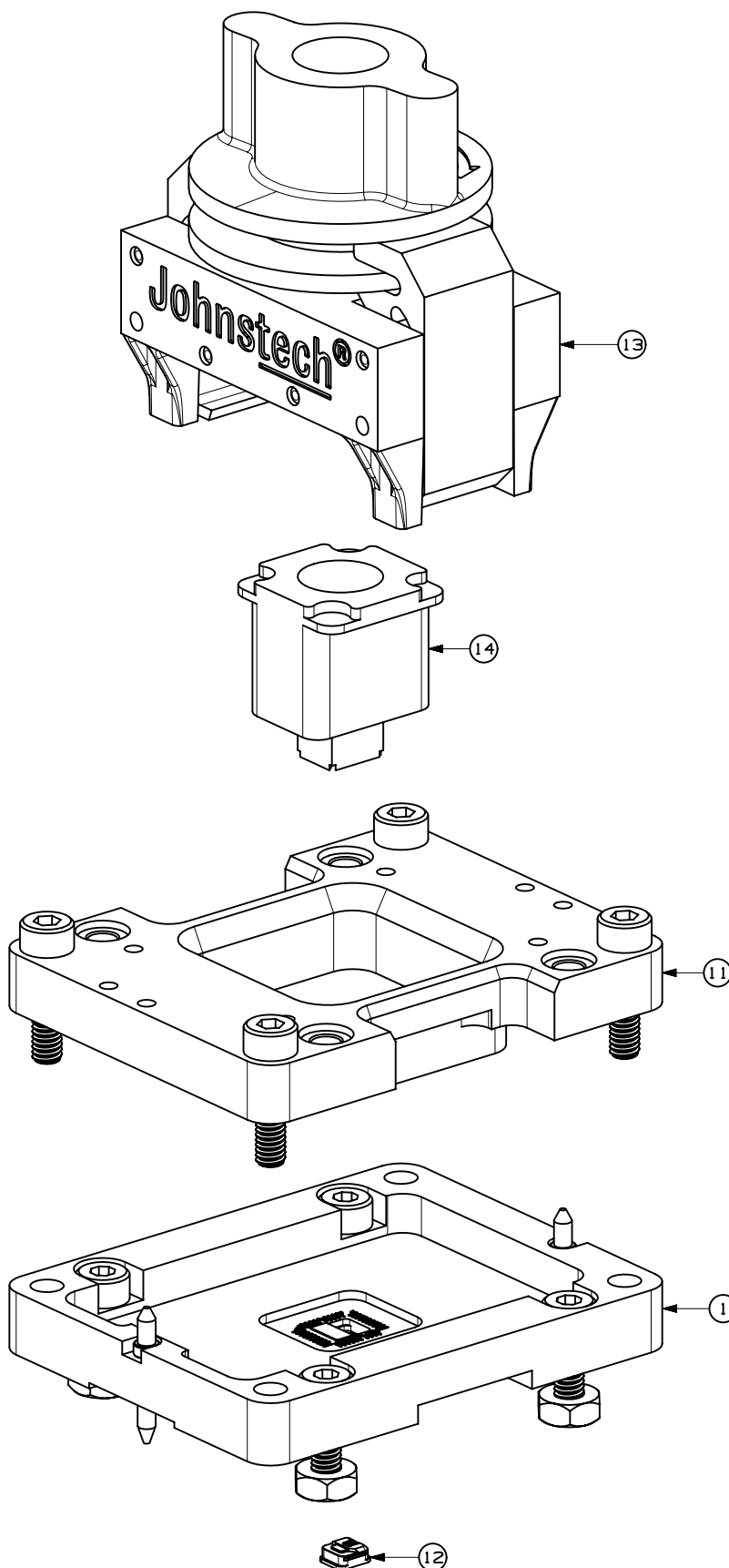
CONTACTOR LAYOUT



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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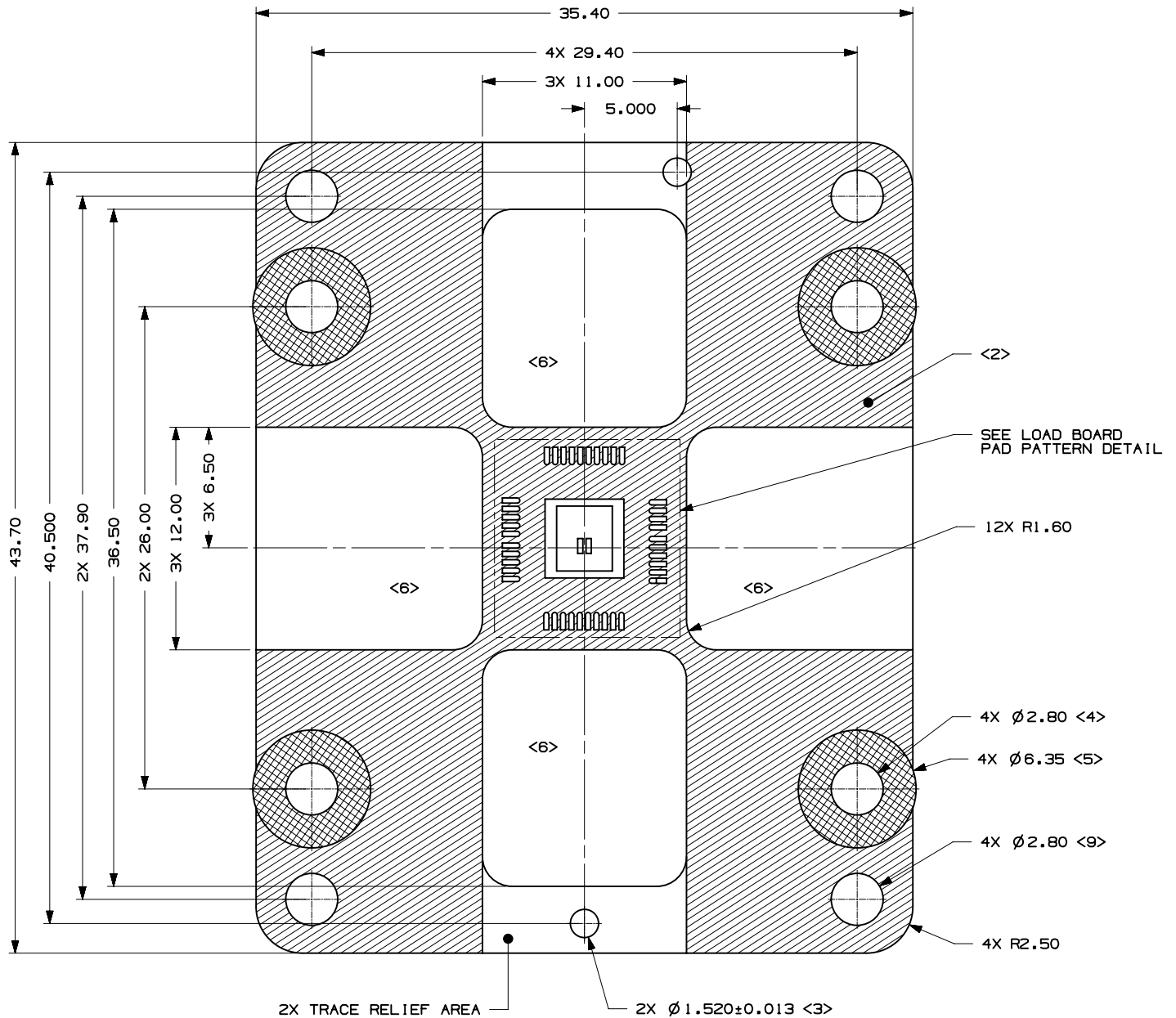
EXPLODED VIEW



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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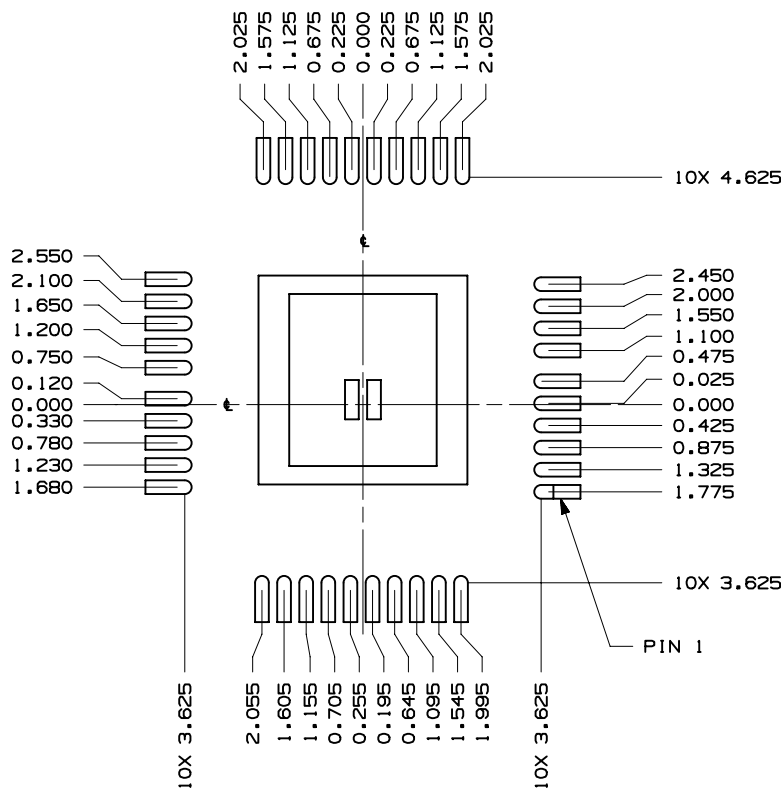
LOAD BOARD LAYOUT



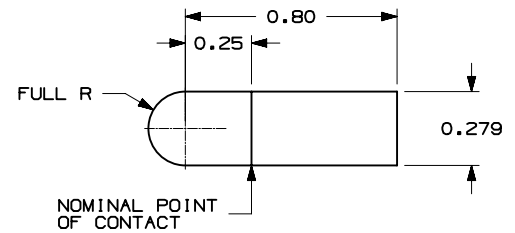
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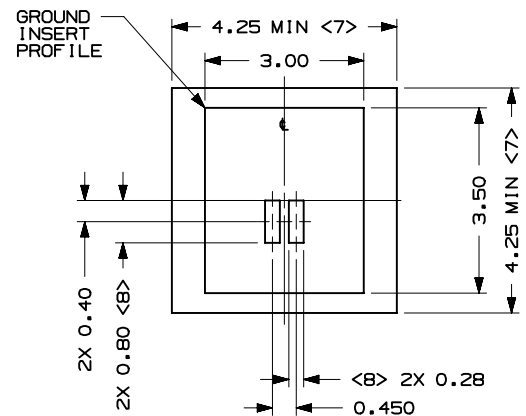
LOAD BOARD PAD PATTERN DETAIL



LOAD BOARD PAD DETAIL (40X)



LOAD BOARD GROUND PAD DETAIL



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	37916	RELEASED. SAME AS 8685-0202 EXCEPT WITH DL-VCMA WITH ALUMINUM LATCHES INSTEAD OF STANDARD VCMA. CUSTOM MOUNTING PLATE.	CRK 07/10/15	DRS 07/10/15

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