



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



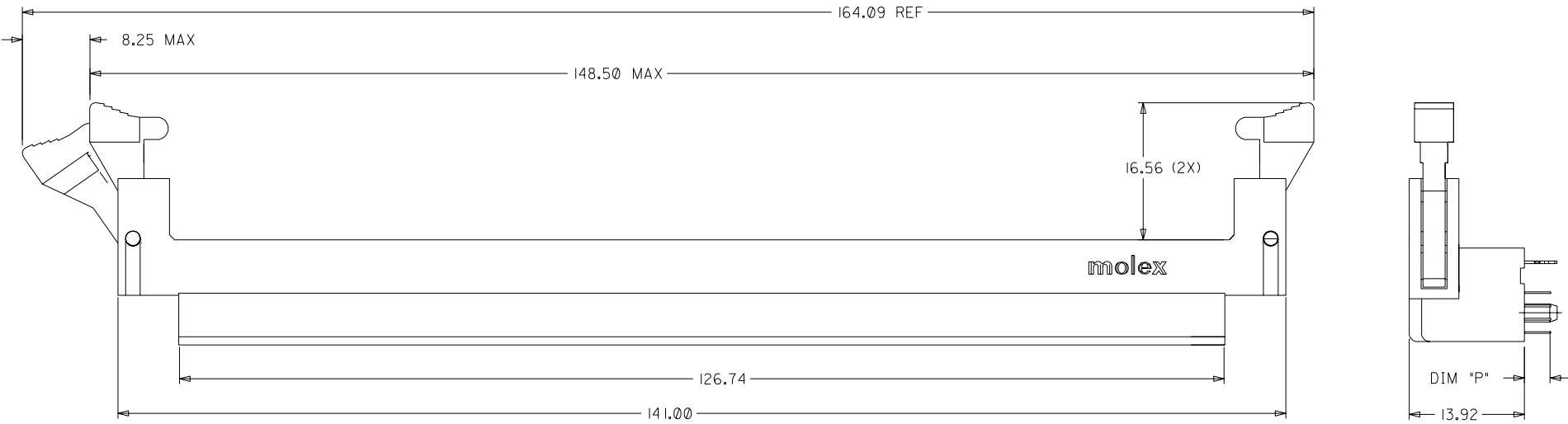
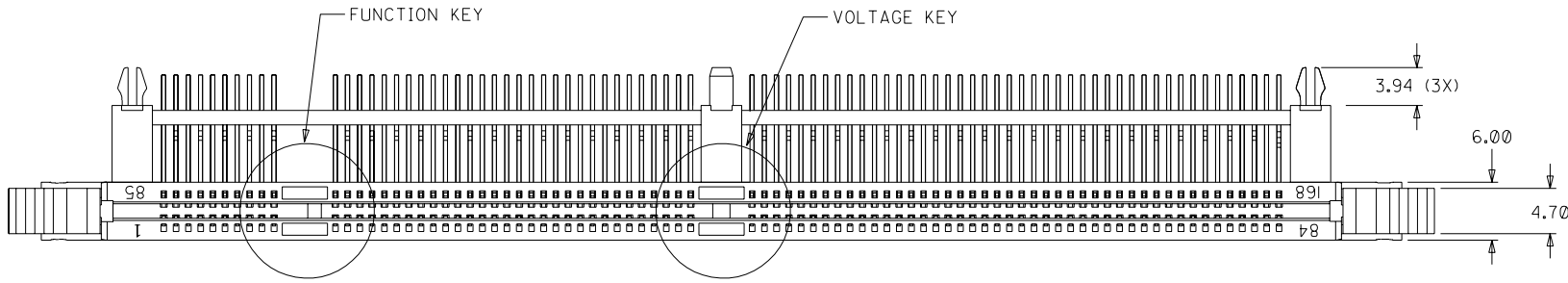
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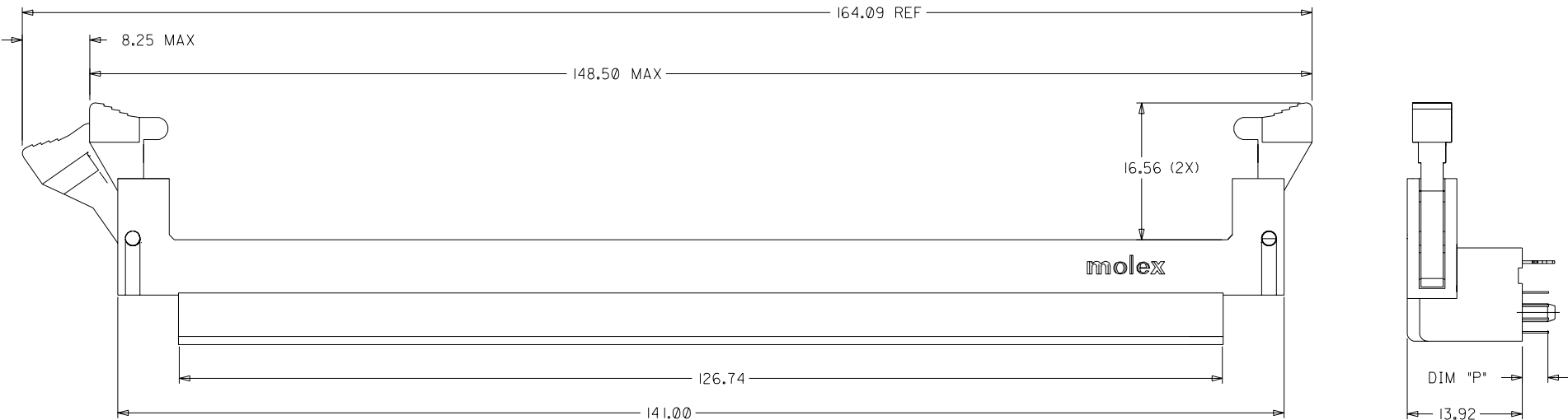
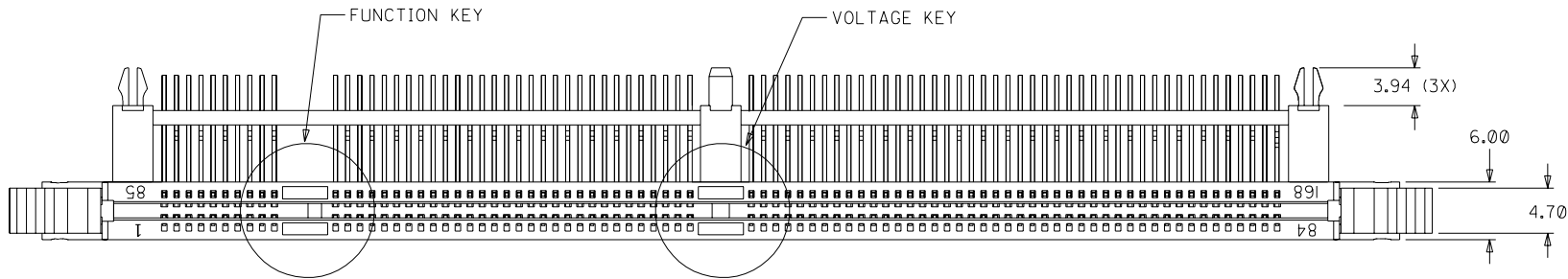


NOTES:

1. PRODUCT SPEC PS-87609-002 APPLIES.
2. PRODUCT IS PACKAGED IN TRAYS.
3. MATERIALS:
 HOUSING- HIGH-TEMP THERMOPLASTIC
 TERMINAL- PHOSPHOR BRONZE
 LATCHES - HIGH-TEMP THERMOPLASTIC
 FORKLOCKS - COPPER ALLOY OR STEEL ALLOY
 BASE-PLATE - HIGH-TEMP THERMOPLASTIC
 COVER - HIGH-TEMP THERMOPLASTIC
4. PLATING:
 CONTACT AREA:
 SEE TABLE ON SHEET 3 OF 3
 FOR GOLD PLATING OPTION AT CONTACT AREA
 SOLDER TAILS: 75µIN./(1.9µM) MIN. TIN-LEAD
 UNDERPLATE: 50µIN./(1.27µM) MIN. NICKEL

REVISE PER ECN EC NO. S2002-0370 DRWN: DSOH 020305 CHK: JS COH 020306 APPR: KC LING 020306	QUALITY SYMBOLS MAJOR ▲ = 0 CRITICAL ▽ = 0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE NTS	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH ONLY	SHT	REV
		4 PLACES	±0. ---	±.	DRAWN BY & DATE STEVEN Q 000121		TITLE: 1.27 MM PITCH RIGHT ANGLE 168 CKTS MULTI-KEY DIMM		
		3 PLACES	±0. ---	±.	CHECKED BY & DATE KC LING 000301		MOLEX INCORPORATED		
		2 PLACES	±0.25	±.	APPROVED BY & DATE SK TOH 000303				
1 PLACE	±0. ---	±.	ANGULAR: ± 5°		CAD FILENAME NA	MATERIAL NO. SEE TABLE	DRAWING NO. SD-87609-001	SHEET NO. 1 OF 3	
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							SIZE A3

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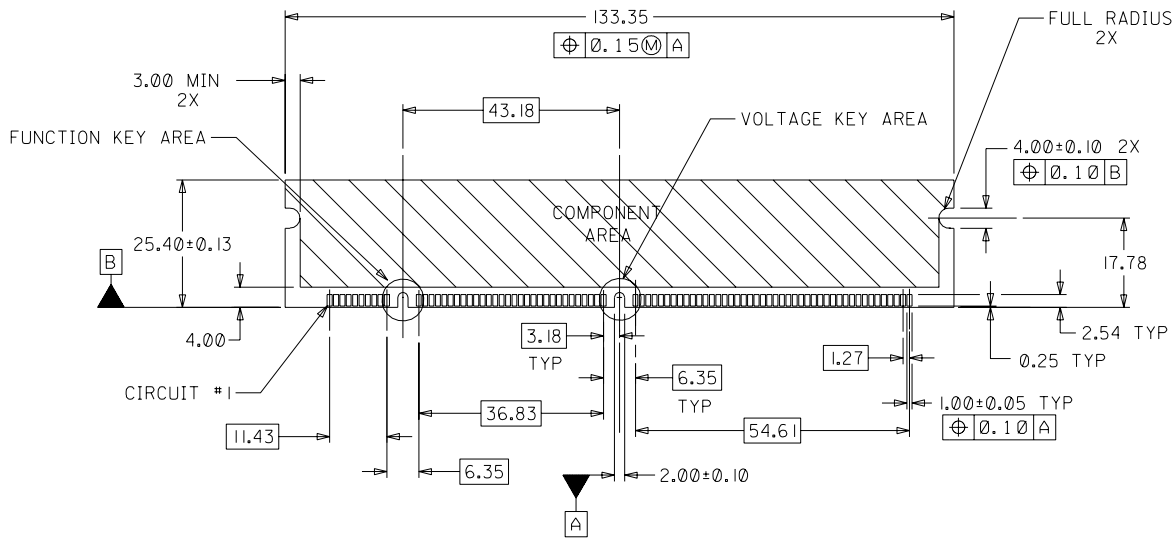


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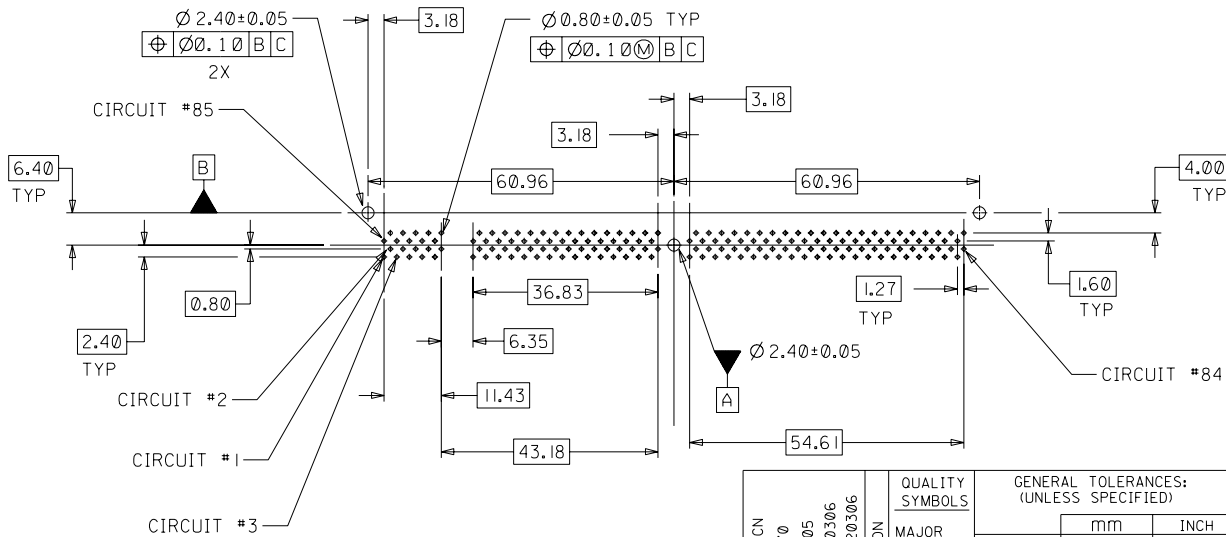
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				NTS	mm INCH	mm INCH	mm INCH	mm INCH		
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		3 PLACES	±0. ---	±.						
		2 PLACES	±0.25	±.						
		1 PLACE	±0. ---	±.						
		ANGULAR: ± 5°								
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				CHECKED BY & DATE KC LING 000301	MOLEX INCORPORATED					
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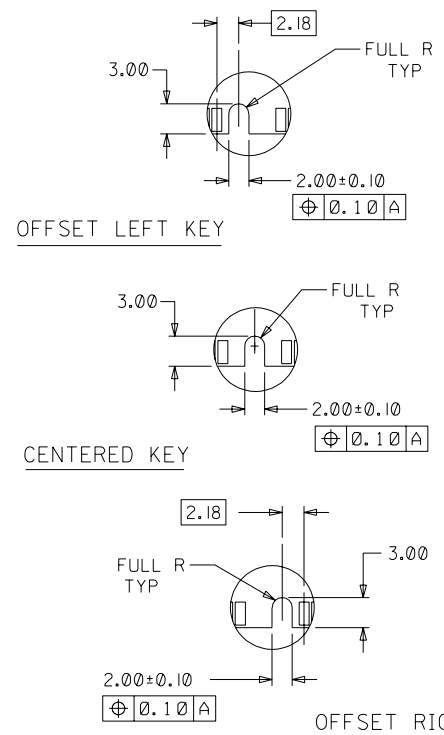


RECOMMENDED MODULE LAYOUT
(PER JEDEC STANDARD MO-161, I68 CKT. 3.3V)



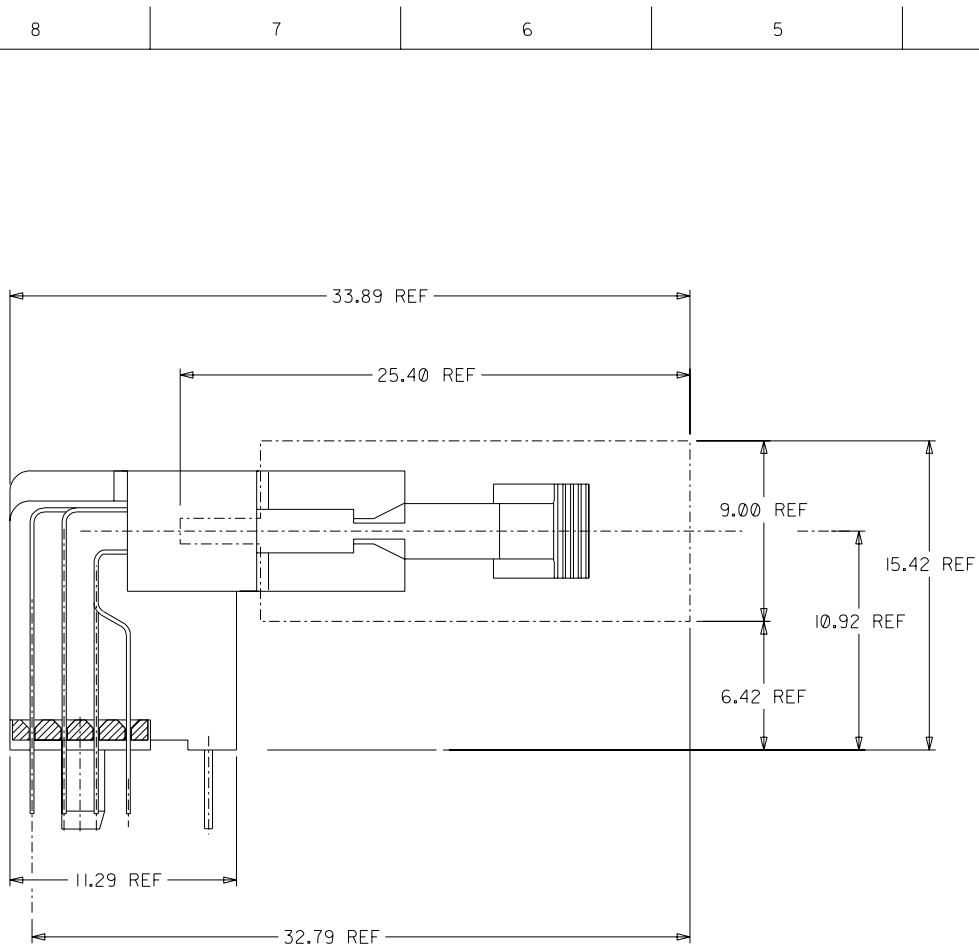
RECOMMENDED
P.C. BOARD HOLE PATTERN
(CONNECTOR SIDE)

FUNCTION KEY AREA OPTIONS
(REFER ALSO TO TABLE ON SHT. 3)



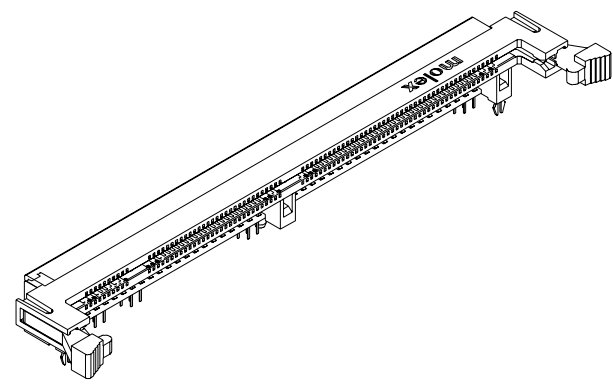
- NOTES:
- STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP 4.00(.157)
 - RECOMMENDED PLATING ON MODULE PADS: 0.76 MICROMETER(30 MICROINCH) MINIMUM HARD GOLD OVER 2.0 MICROMETER(79 MICROINCH) MINIMUM NICKEL.

REVISE PER ECN EC NO. S2002-0370 DRAWN: DSOH 020305 CHK: JS GOH 020306 APPR: KC LING 020306	QUALITY SYMBOLS MAJOR ▼ = 0 CRITICAL ▼ = 0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE NTS	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH	SHT	REV
		4 PLACES ±0. --- ±.	3 PLACES ±0. --- ±.	2 PLACES ±0.15 ±.	1 PLACE ±0. --- ±.	ANGULAR: ± 5°	DRAWN BY & DATE STEVEN Q 000121	TITLE: 1.27 MM PITCH RIGHT ANGLE I68 CKTS MULTI-KEY DIMM	REVISE ON CAD ONLY
C	DESCRIPTION	APPROVED BY & DATE SK TOH 000303		MATERIAL NO. SEE TABLE		DRAWING NO. SD-87609-001		SHEET NO. 2 OF 3	
		CAD FILENAME NA		MATERIAL NO. SEE TABLE		DRAWING NO. SD-87609-001		SHEET NO. 2 OF 3	
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ACTUAL MODULE HEIGHT AND CLEARANCE
WHEN USING A 9.00MM THICK BY 25.40MM HEIGHT
MODULE (TYPICAL SOJ PACKAGING).

MATERIAL NO.	FUNCTION KEY	GOLD PLATING OPTION AT CONTACT AREA	DATUM VOLTAGE KEY	TAIL LENGTH P±0.25
87609-0048	LEFT	15µIN/(0.38µM) MIN.	CENTER (3.3V)	2.79
87609-0049	CENTRE			
87609-0050	RIGHT			
87609-0148	LEFT	30µIN/(0.76µM) MIN.	CENTER (3.3V)	3.18
87609-0149	CENTRE			
87609-0150	RIGHT			
87609-0057	LEFT	15µIN/(0.38µM) MIN.	CENTER (3.3V)	3.56
87609-0058	CENTRE			
87609-0059	RIGHT			
87609-0157	LEFT	30µIN/(0.76µM) MIN.	CENTER (3.3V)	3.56
87609-0158	CENTRE			
87609-0159	RIGHT			
87609-0066	LEFT	15µIN/(0.38µM) MIN.	CENTER (3.3V)	3.56
87609-0067	CENTRE			
87609-0068	RIGHT			
87609-0166	LEFT	30µIN/(0.76µM) MIN.	CENTER (3.3V)	3.56
87609-0167	CENTRE			
87609-0168	RIGHT			



REVISE PER ECN EC NO. S2002-0370 DRWN: DSOH 020305 CHK: JS COH 020306 APPR: KC LING 020306	DESCRIPTION C	QUALITY SYMBOLS MAJOR ▼ = 0 CRITICAL ▽ = 0	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE NTS	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY	SHT REV													
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±0. ---</td> <td>±.</td> </tr> <tr> <td>3 PLACES</td> <td>±0. ---</td> <td>±.</td> </tr> <tr> <td>2 PLACES</td> <td>±0.25</td> <td>±.</td> </tr> <tr> <td>1 PLACE</td> <td>±0. ---</td> <td>±.</td> </tr> </table>		mm	INCH	4 PLACES	±0. ---	±.	3 PLACES	±0. ---	±.	2 PLACES	±0.25	±.	1 PLACE	±0. ---	±.	ANGULAR: ± 5°	DRAWN BY & DATE STEVEN O 000121	TITLE: 1.27 MM PITCH RIGHT ANGLE 168 CKTS MULTI-KEY DIMM
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				APPROVED BY & DATE SK TOH 000303	MOLEX INCORPORATED															
				CAD FILENAME NA	MATERIAL NO. SEE TABLE	DRAWING NO. SD-87609-001	SHEET NO. 3 OF 3													
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