

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

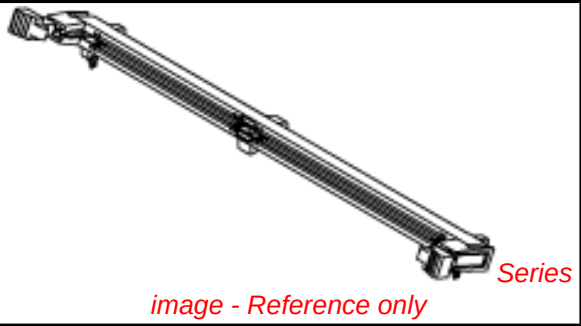
0876232101

Status:

Active

Description:

1.27mm (.050") Pitch DDR DIMM Socket, Low Profile (25°), Single Key, with Beveled Metal Pins and Plastic Pegs, 2.79mm (.110") Tail Length, with 3.18mm (.125") Locating Pegs, 0.76µm (30µ") Gold (Au) Plating, 184 Circuits, Leadfree



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87623-002 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Memory Module Sockets
Series	87623
Component Type	Memory Module
JEDEC Outline	MO-206
Product Name	DDR DIMM
Physical	
Circuits (Loaded)	184
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	25° Angle
Keying to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.79 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Voltage - Maximum	50V
Voltage Key	2.5V, Left
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

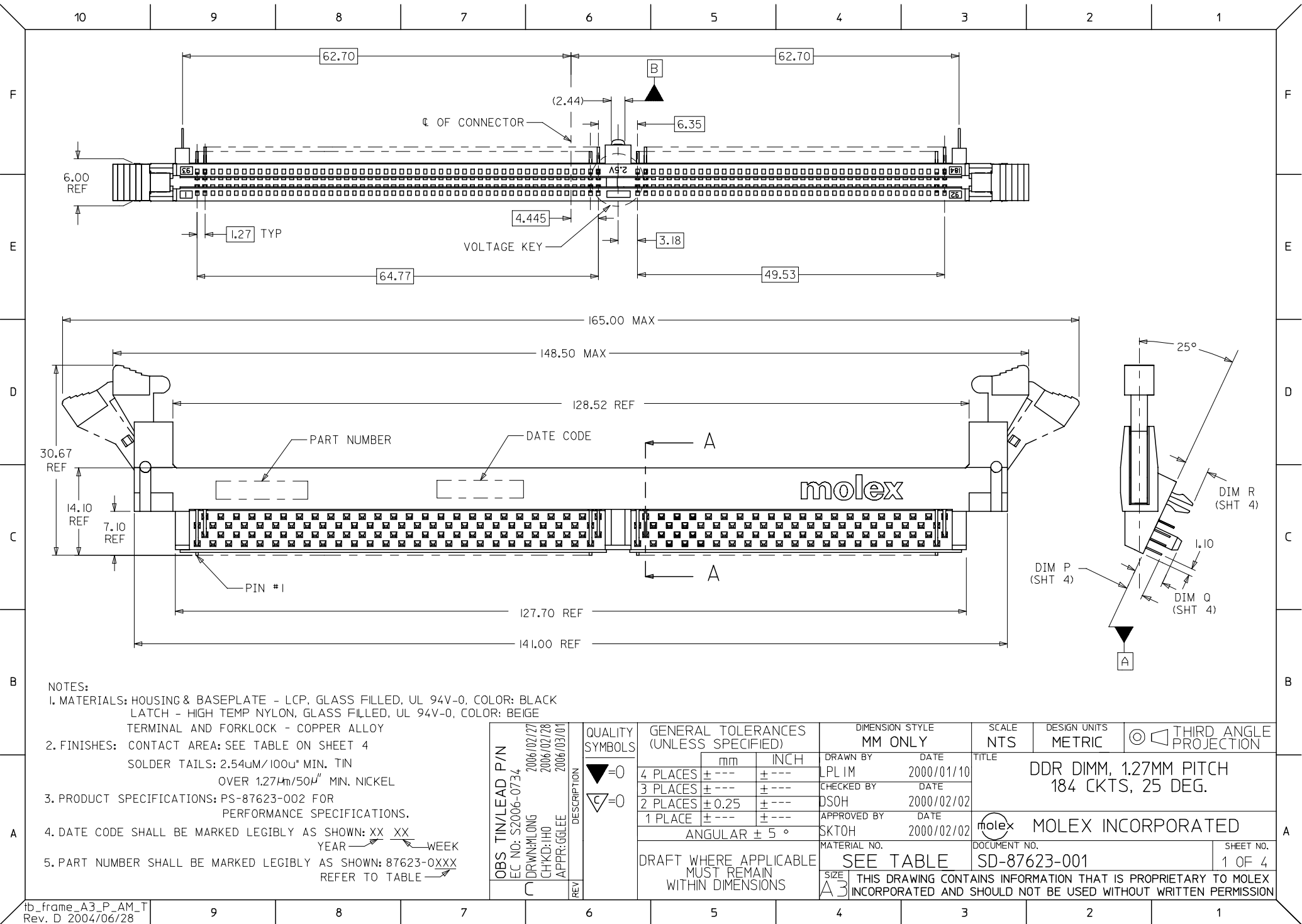
87623Series

Mates With

JEDEC MO-206 modules

This document was generated on 04/09/2010

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- NOTES:
1. MATERIALS: HOUSING & BASEPLATE - LCP, GLASS FILLED, UL 94V-0, COLOR: BLACK
LATCH - HIGH TEMP NYLON, GLASS FILLED, UL 94V-0, COLOR: BEIGE
TERMINAL AND FORKLOCK - COPPER ALLOY
 2. FINISHES: CONTACT AREA: SEE TABLE ON SHEET 4
SOLDER TAILS: 2.54μM/100μ" MIN. TIN
OVER 1.27mm/50μ" MIN. NICKEL
 3. PRODUCT SPECIFICATIONS: PS-87623-002 FOR PERFORMANCE SPECIFICATIONS.
 4. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN: XX XX
YEAR WEEK
 5. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN: 87623-0XXX
REFER TO TABLE

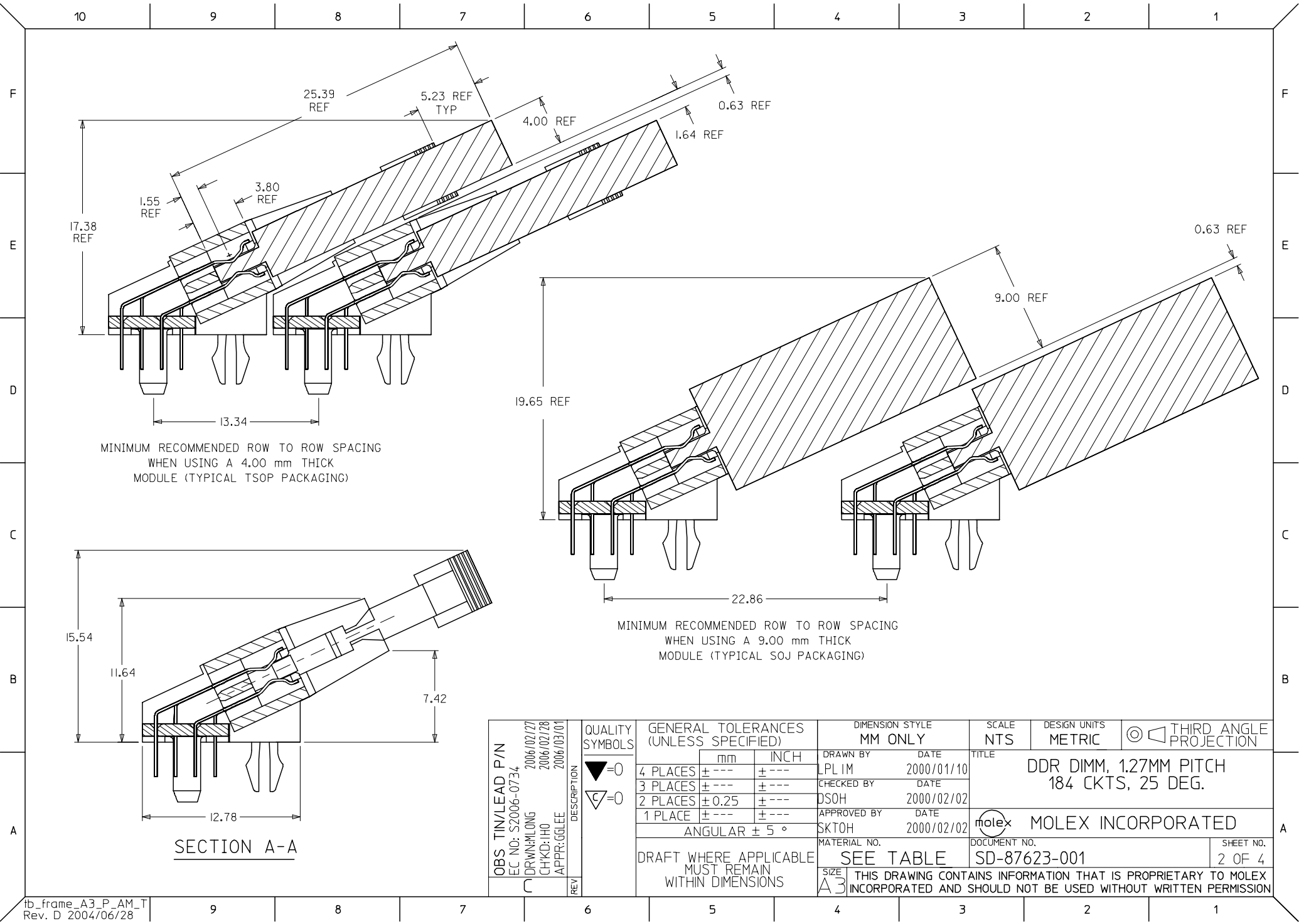
OBS	TIN/LEAD	P/N
EC NO:	S2006-0734	2006/02/27
DRWN:	MLONG	2006/02/28
CHKD:	HO	2006/03/01
APPR:	GGLEE	2006/03/01
REV		

QUALITY SYMBOLS
▽=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ± 5 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
LPL IM	2000/01/10
CHECKED BY	DATE
DSOH	2000/02/02
APPROVED BY	DATE
SKTOH	2000/02/02
MATERIAL NO.	
SEE TABLE	
SIZE	A3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
NTS	METRIC		
TITLE			
DDR DIMM, 1.27MM PITCH 184 CKTS, 25 DEG.			
molex MOLEX INCORPORATED			
DOCUMENT NO.		SHEET NO.	
SD-87623-001		1 OF 4	
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



MINIMUM RECOMMENDED ROW TO ROW SPACING
WHEN USING A 4.00 mm THICK
MODULE (TYPICAL TSOP PACKAGING)

MINIMUM RECOMMENDED ROW TO ROW SPACING
WHEN USING A 9.00 mm THICK
MODULE (TYPICAL SOJ PACKAGING)

SECTION A-A

OBS TIN/LEAD P/N EC NO: S2006-0734 DRWN:MLONG CHKD:JHO APPR:GGL REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE				
			4 PLACES	± ---	± ---	LPL IM	2000/01/10	DDR DIMM, 1.27MM PITCH 184 CKTS, 25 DEG.				
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.25	± ---	DSOH	2000/02/02	MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
ANGULAR ± 5 °			SKTOH	2000/02/02	MOLEX							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
			SEE TABLE		SD-87623-001		2 OF 4					
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

