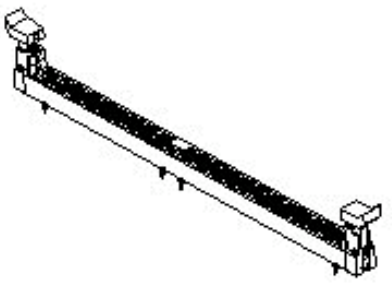
This document was generated on 04/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0876935311

Status: Active

Description: 1.27mm (.050") Pitch DDR DIMM Socket, Vertical, Press-fit, 2.5V Voltage Keys (Left), 3.32mm (.131") Tail Length, 0.76µm (30µ") Gold (Au) Selective Plating, Clear Latches, 184 Circuits, Tin/Lead



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-87693-002 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Module Sockets
Series	87693
Comments	Latches in Clear Color
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	Vertical (Top Entry)
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic, Polysulfone
PC Tail Length (in)	0.131 In
PC Tail Length (mm)	3.32 mm
PCB Retention	None
PCB Thickness Recommended (in)	0.140 In
PCB Thickness Recommended (mm)	3.60 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)	15.2
Plating min: Termination (µm)	0.38
Temperature Range - Operating	-10°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	50V
Voltage Key	2.5V, Left

Material Info

Reference - Drawing Numbers

Product Specification	PS-87693-002
Sales Drawing	SD-87693-202

EU RoHS
RoHS Compliant by Exemption
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

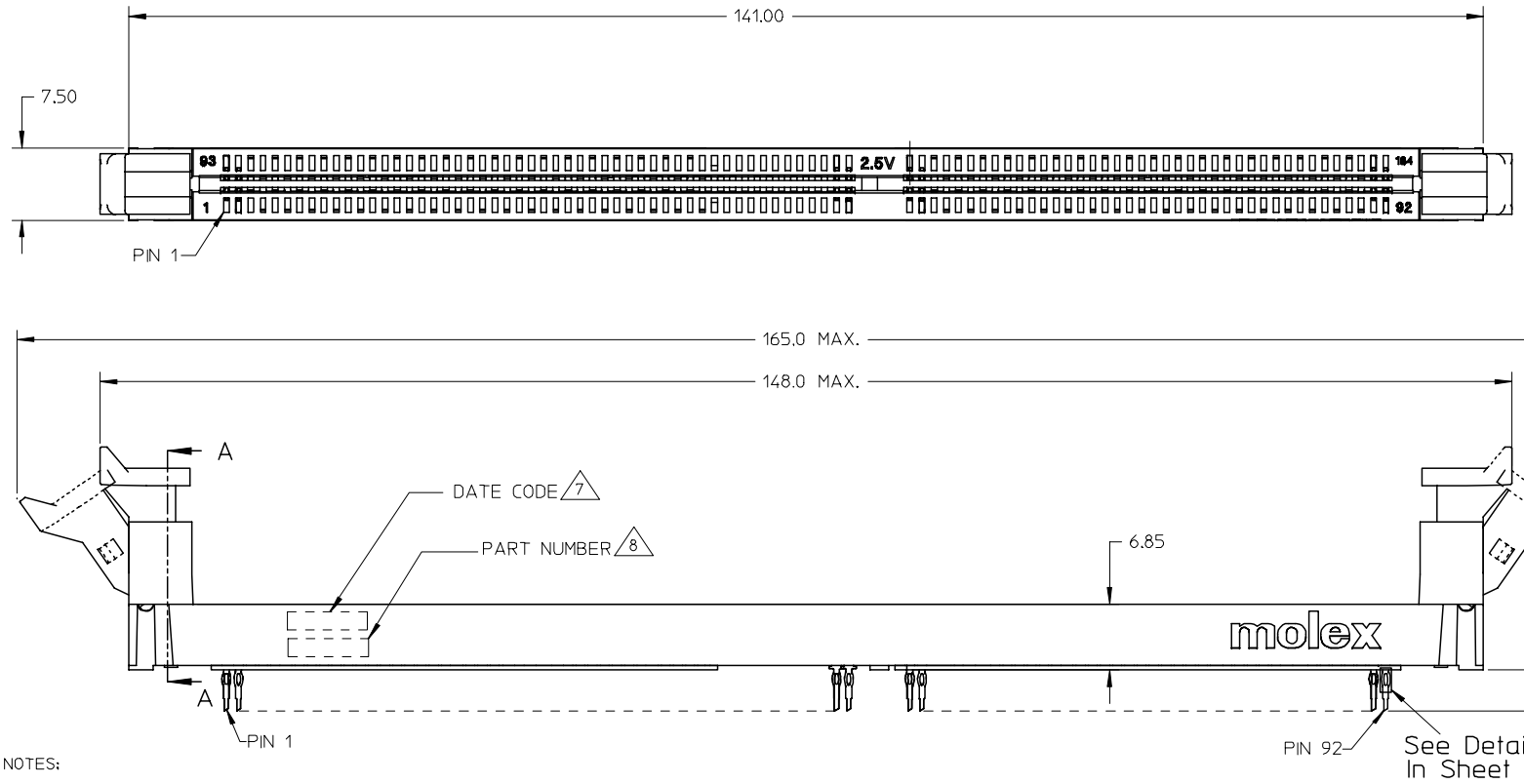
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
87693Series

Mates With
JEDEC standard 1.27mm modules

This document was generated on 04/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

1. CARD SLOT ACCEPTS 1.27±0.10 MODULE THICKNESS.
   (MEASURED OVER P.C.PADS)
2. RECOMMENDED MODULE LAYOUT SHALL BE PER SHEET 3.
3. RECOMMENDED PLATING ON MODULE PADS: 30u"/0.76uM
   MINIMUM HARD GOLD OVER 79u"/2uM MINIMUM NICKEL.
4. MATERIAL: HOUSING & LATCH - HIGH TEMP. NYLON, GLASS FILLED, UL 94V-0
   HOUSING COLOUR:
   NATURAL (OFF WHITE) OR BLACK PER SHEET 5
   LATCH COLOR:
   CLEAR OR BLACK PER SHEET 5
   TERMINAL - COPPER ALLOY
5. FINISHES: CONTACT AREA: SEE TABLE PER SHEET 5
   TAIL AREA: 0.38um(15u") TO 1.52um(60u") TIN/LEAD OR TIN
   OVER 1.27um(50u") MIN. NICKEL
6. PRODUCT IS PACKAGED IN TRAY.

7 DATE CODE SHALL BE MARKED LEGIBLY AS YYDDD.

8 PART NUMBER SHALL BE MARKED LEGIBLY AS : 87693-XXXX.

VOID P/N
EC NO: S2007-0215 2006/09/11
DRWN:SKANG 2006/09/13
CHKD:MLONG
APPR:SKTOH 2006/09/18
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: VSKHOANG DATE: 2004/02/10
CHECKED BY: PTLIM DATE: 2004/02/10
APPROVED BY: SKTOH DATE: 2004/02/10
MATERIAL NO.: SEE TABLE

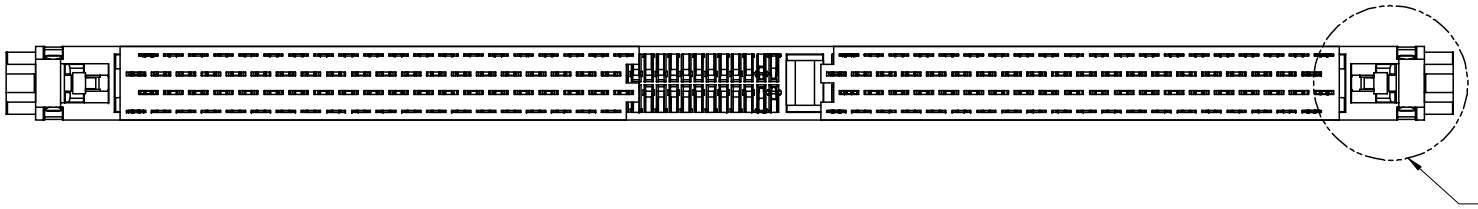
TITLE: DDR DIMM, 1.27MM PITCH
184 CKTS, LIGHTPIPE
VERTICAL PRESS-FIT

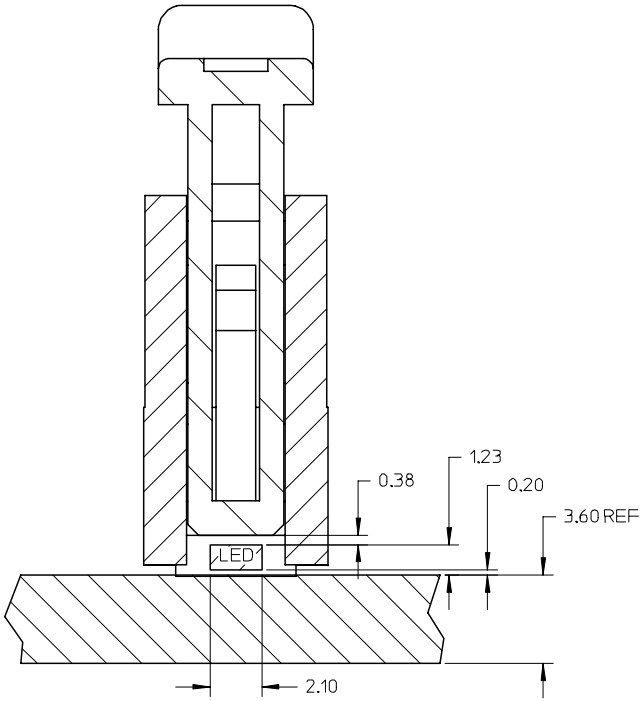
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DOCUMENT NO.: SD-87693-202
SHEET NO.: 1 OF 5

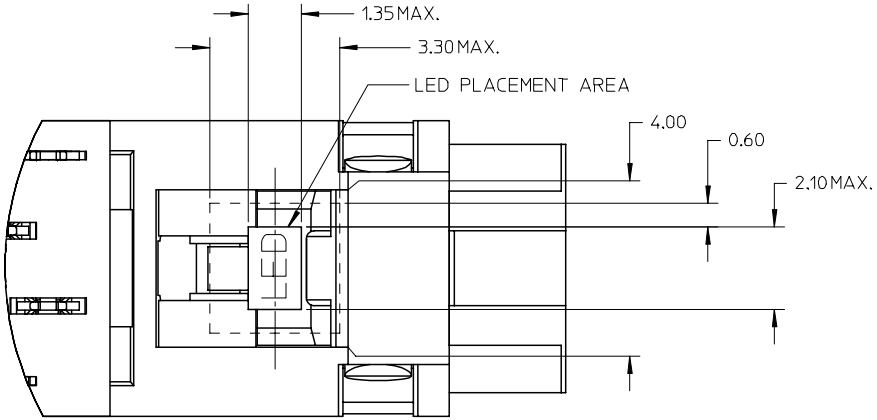
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SECTION A-A



Detail2

VOID P/N EC NO: S2007-0215	2006/09/11		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE: MM ONLY
DRWN: SKANG	2006/09/13		▼=0	mm / INCH	SCALE: NTS
CHKD: MLONG	2006/09/18		▽=0	4 PLACES ± --- / ± ---	DESIGN UNITS: METRIC
APPR: SKTOH				3 PLACES ± --- / ± ---	THIRD ANGLE PROJECTION
REV	DESCRIPTION			2 PLACES ± 0.20 / ± ---	DRAWN BY: VSKHOANG DATE: 2004/02/10
				1 PLACE ± --- / ± ---	CHECKED BY: PTLIM DATE: 2004/02/10
				ANGULAR ± 3 °	APPROVED BY: SKTOH DATE: 2004/02/10
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.: SEE TABLE

TITLE: DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT

molex MOLEX INCORPORATED

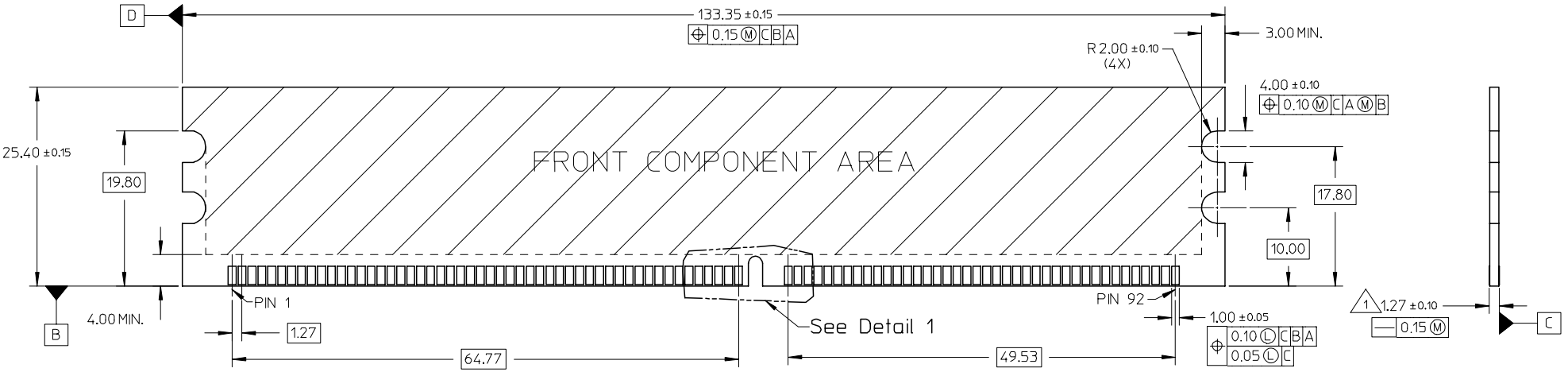
DOCUMENT NO.: SD-87693-202 SHEET NO.: 2 OF 5

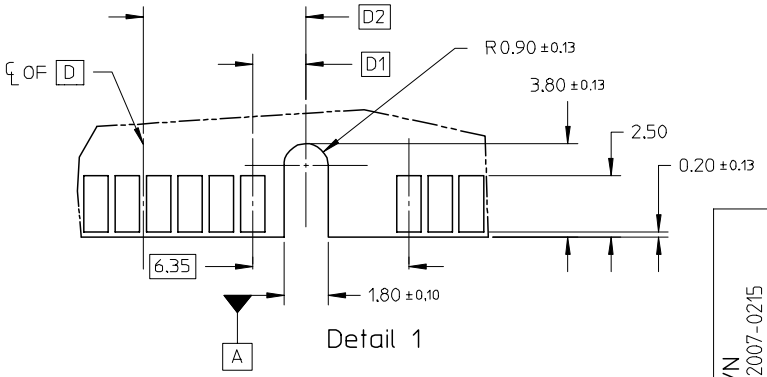
SIZE: A3

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NOTES:

1. CARD THICKNESS APPLIES ACROSS THE CONTACTS AND INCLUDES PLATING AND/OR METALIZATION. STRAIGHTNESS CALLOUT APPLIES TO ZONE DEFINED BY THE 4.00 CONTACT AREA DIMENSION FOR THE ENTIRE LENGTH OF 133.35.





Detail 1

VOID P/N
EC NO: S2007-0215
DRWN:SKANG 2006/09/11
CHKD:MLONG 2006/09/13
APPR:SKTOH 2006/09/18
REV DESCRIPTION

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

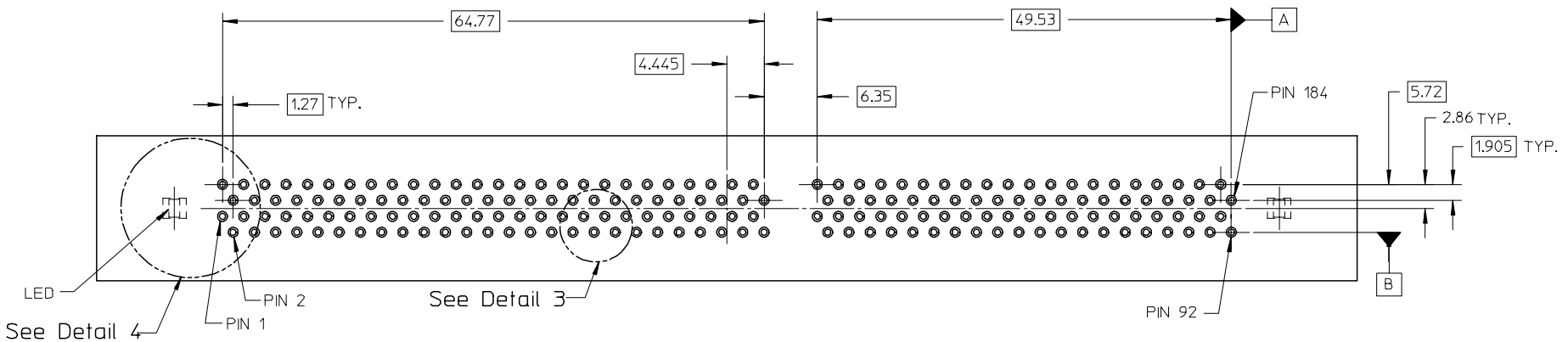
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

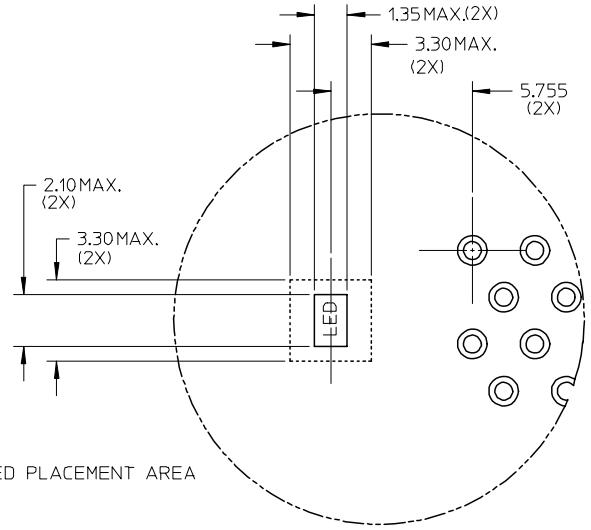
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	VSKHOANG
DATE	2004/02/10
CHECKED BY	PTLIM
DATE	2004/02/10
APPROVED BY	SKTOH
DATE	2004/02/10
MATERIAL NO.	SEE TABLE
TITLE	DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT
	MOLEX INCORPORATED
DOCUMENT NO.	SD-87693-202
SHEET NO.	3 OF 5
SIZE	A3

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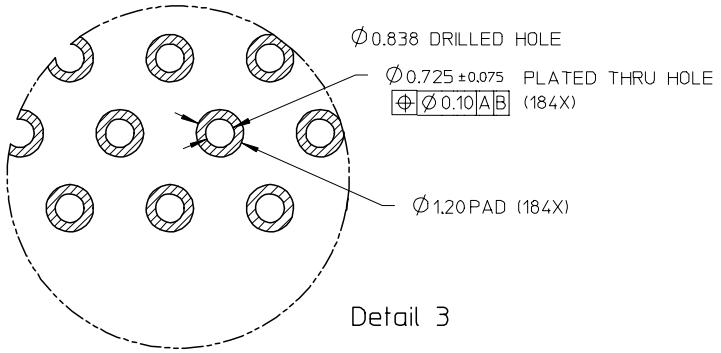


RECOMMENDED P.C.BOARD HOLE PATTERN
(SEE RECOMMENDED THICKNESS IN TABLE)

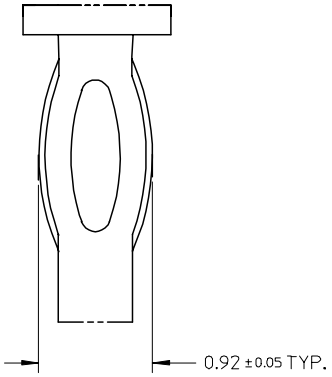


LED PLACEMENT AREA

Detail 4



Detail 3



Detail5

VOID P/N EC NO: S2007-0215	2006/09/11	
DRWN:SKANG	2006/09/13	
CHKD:MLONG	2006/09/18	
APPR:SKTOH		
REV	DESCRIPTION	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: VSKHOANG	DATE: 2004/02/10		
CHECKED BY: PTLIM	DATE: 2004/02/10		
APPROVED BY: SKTOH	DATE: 2004/02/10		
MATERIAL NO.: SEE TABLE			

TITLE: DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT

MOLEX INCORPORATED

DOCUMENT NO.: SD-87693-202

SHEET NO.: 4 OF 5

SIZE: A3

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PLATING OPTION	PART NUMBER	TAIL LENGTH P±0.25	RECOMMENDED PCB THICKNESS	VOLTAGE KEY	DESCRIPTION	D1	D2	FINISHES CONTACT AREA	HOUSING COLOUR	LATCH
TIN/LEAD	87693-4201	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 15u"/0.38uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL	BLACK	BLACK
	87693-4301	3.32	3.60							
	87693-4202	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-4302	3.32	3.60							
	87693-4211	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 30u"/0.76uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		
	87693-4311	3.32	3.60							
	87693-4212	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-4312	3.32	3.60							
	87693-5201	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 15u"/0.38uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		CLEAR
	87693-5301	3.32	3.60							
	87693-5202	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-5302	3.32	3.60							
	87693-5211	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 30u"/0.76uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		
	87693-5311	3.32	3.60							
	87693-5212	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-5312	3.32	3.60							
	87693-6311			2.5 VOLT	LEFT	2.175	6.62		NATURAL	
TIN	87693-0201	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 15u"/0.38uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL	BLACK	BLACK
	87693-0301	3.32	3.60							
	87693-0202	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-0302	3.32	3.60							
	87693-0311	3.32	3.60	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 30u"/0.76uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		
	87693-1201	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 15u"/0.38uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		CLEAR
	87693-1301	3.32	3.60							
	87693-1202	4.30	4.57	1.8 VOLT	CENTER	3.175	7.62			
	87693-1302	3.32	3.60							
	87693-1211	4.30	4.57	2.5 VOLT	LEFT	2.175	6.62	SELECTIVE GOLD 30u"/0.76uM MIN. GOLD OVER 50u"/1.27uM MIN. NICKEL		
	87693-1311	3.32	3.60							
	87693-2311	3.32	3.60	2.5 VOLT	LEFT	2.175	6.62		NATURAL	

VOID P/N
EC NO: S2007-0215 2006/09/11
DRWN:SKANG 2006/09/13
CHKD:MLONG
APPR:SKTOH 2006/09/18
REV DESCRIPTION

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: VSKHOANG DATE: 2004/02/10
CHECKED BY: PTLIM DATE: 2004/02/10
APPROVED BY: SKTOH DATE: 2004/02/10
MATERIAL NO.: SEE TABLE

TITLE: DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT
MOLEX INCORPORATED
DOCUMENT NO.: SD-87693-202
SHEET NO.: 5 OF 5
SIZE: A3

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