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Part Number: [0876932311](#)
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, Leadfree

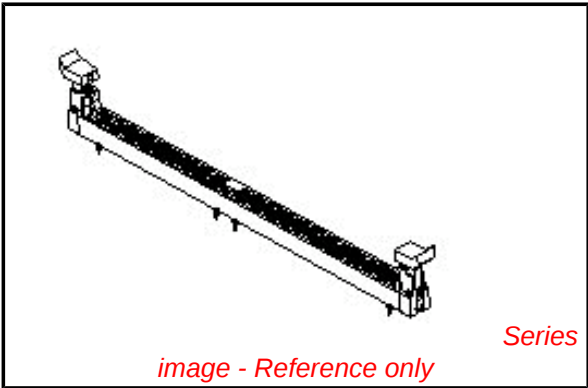
Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

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
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	
Sales Drawing	SD-87693-202



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

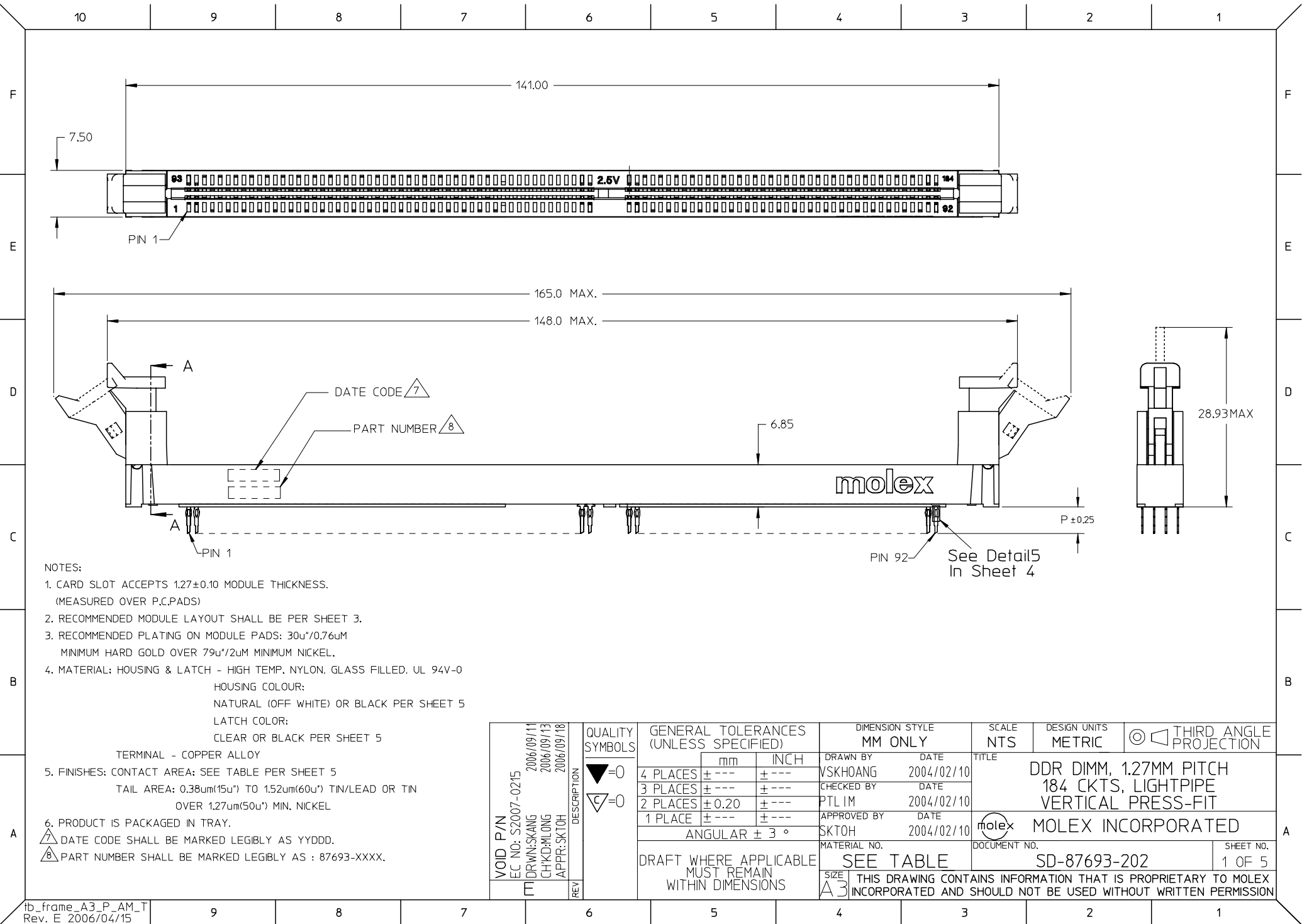
China RoHS



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.

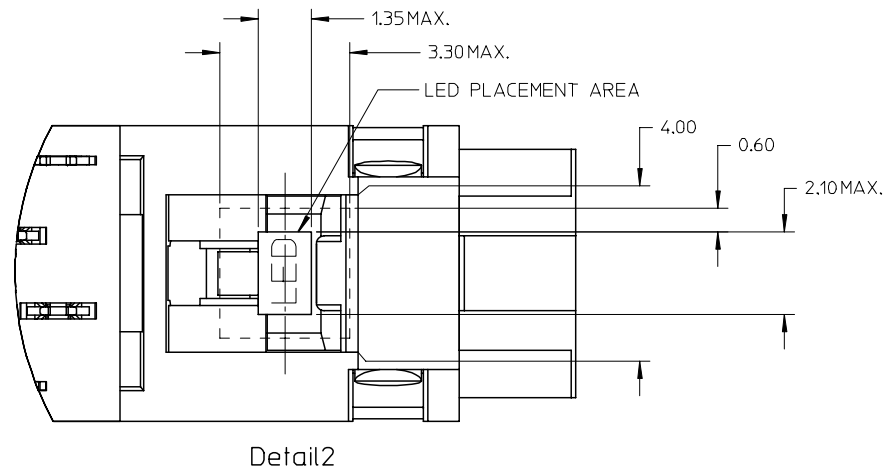
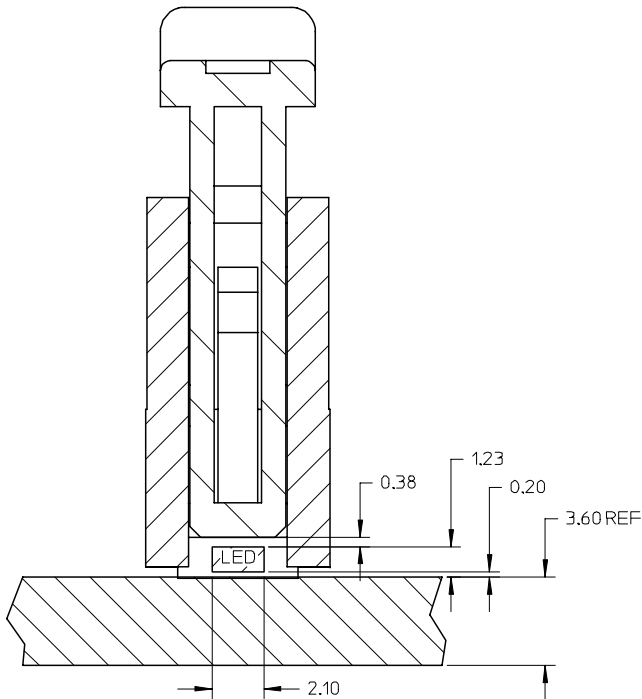
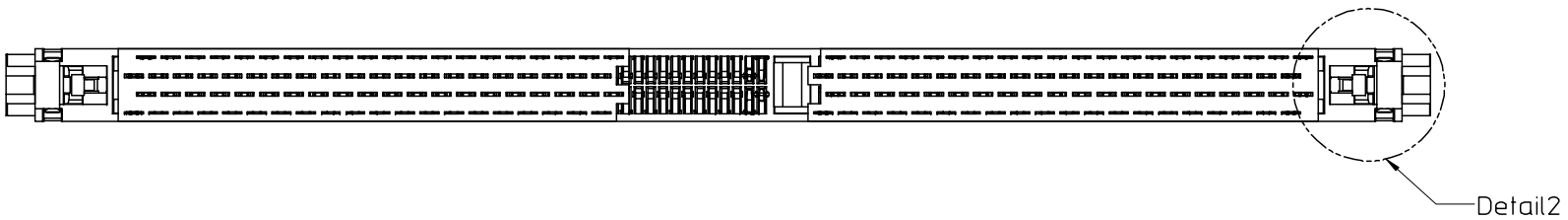
Search Parts in this Series
[87693Series](#)

Mates With
JEDEC standard 1.27mm modules



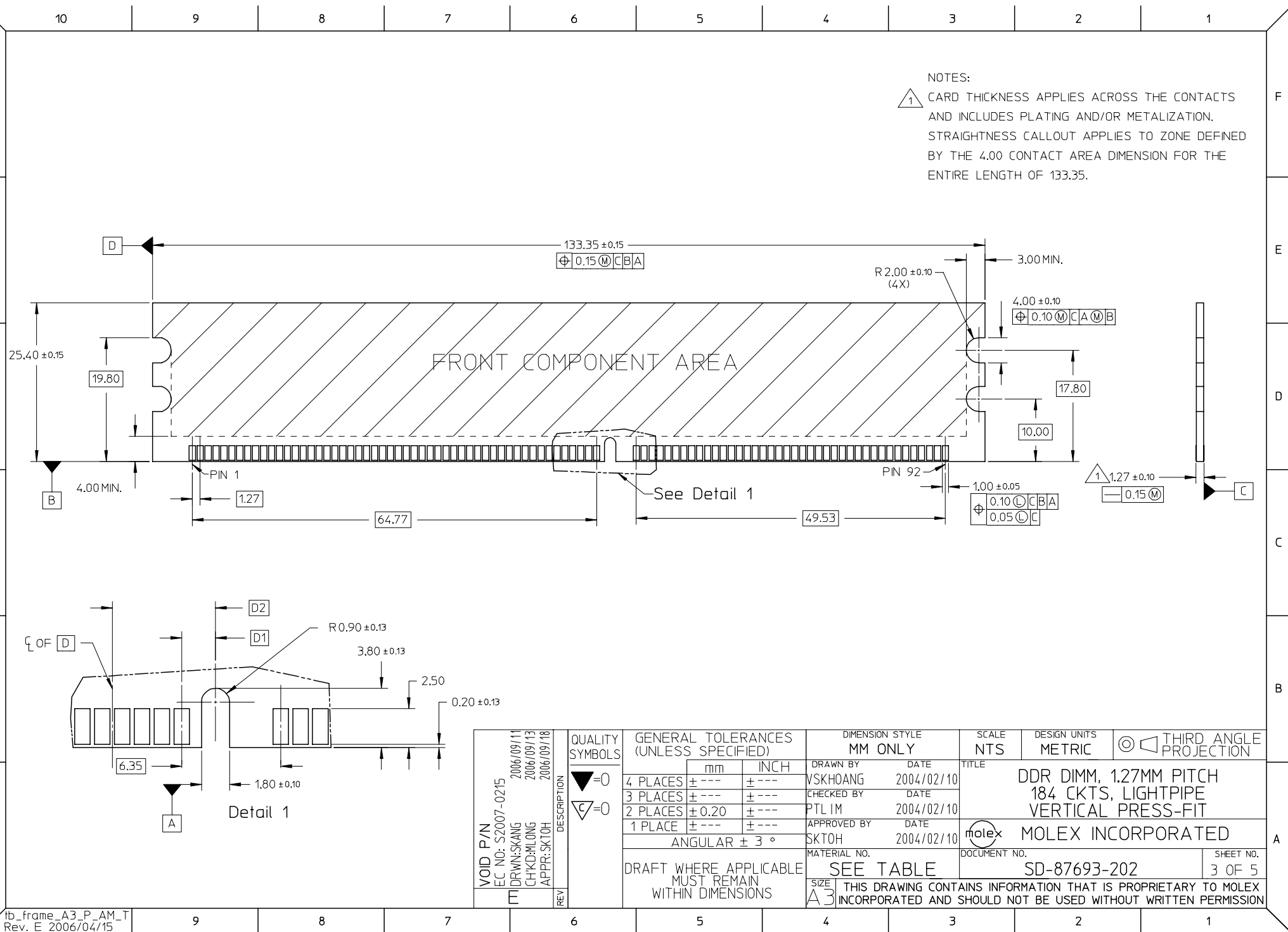
- NOTES:
- CARD SLOT ACCEPTS 1.27±0.10 MODULE THICKNESS.
(MEASURED OVER P.C.PADS)
 - RECOMMENDED MODULE LAYOUT SHALL BE PER SHEET 3.
 - RECOMMENDED PLATING ON MODULE PADS: 30u"/0.76uM
MINIMUM HARD GOLD OVER 79u"/2uM MINIMUM NICKEL.
 - MATERIAL: HOUSING & LATCH - HIGH TEMP. NYLON, GLASS FILLED, UL 94V-0
HOUSING COLOUR:
NATURAL (OFF WHITE) OR BLACK PER SHEET 5
LATCH COLOR:
CLEAR OR BLACK PER SHEET 5
TERMINAL - COPPER ALLOY
 - 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
 - PRODUCT IS PACKAGED IN TRAY.
DATE CODE SHALL BE MARKED LEGIBLY AS YYDD.
PART NUMBER SHALL BE MARKED LEGIBLY AS : 87693-XXXX.

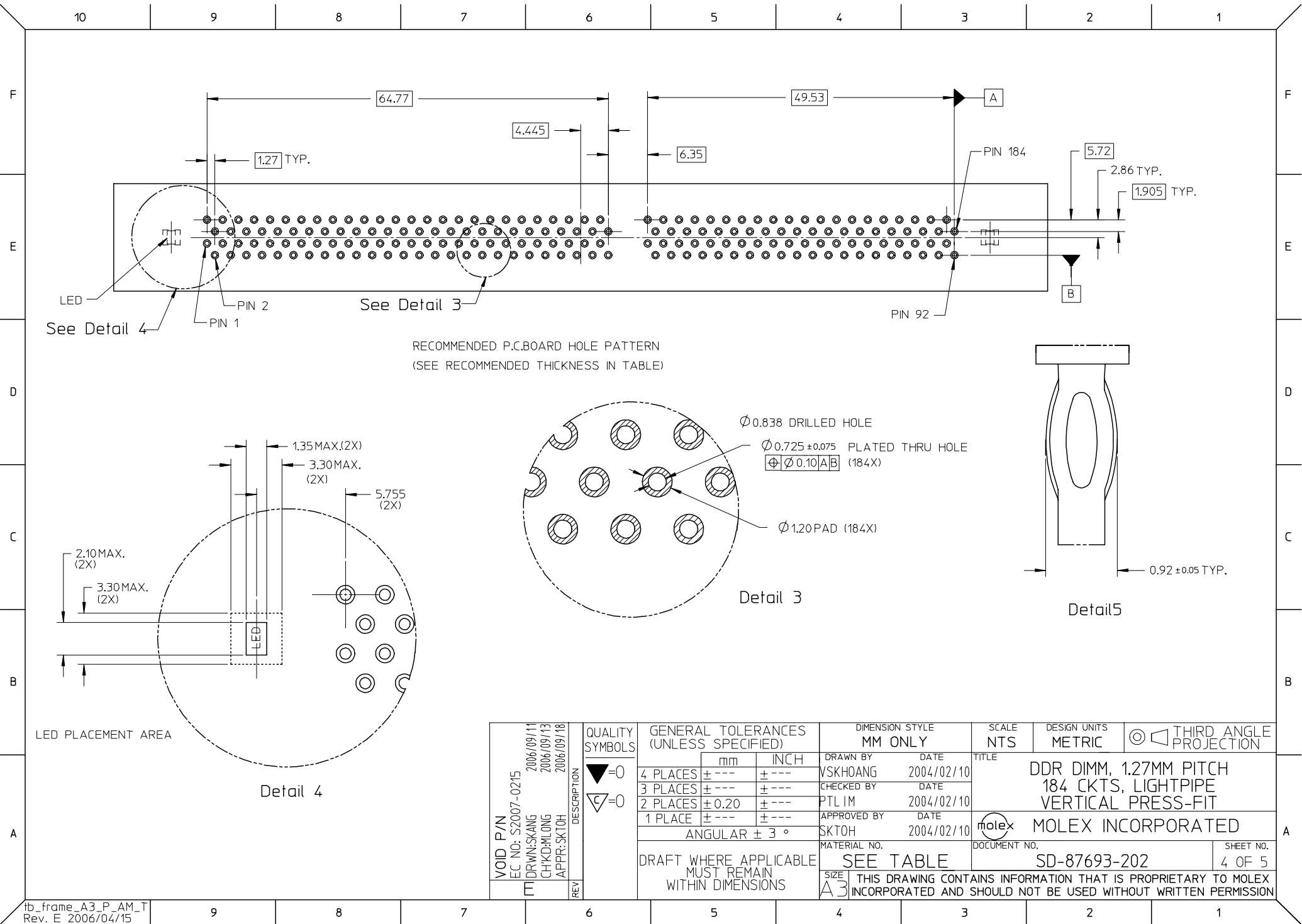
VOID P/N EC NO: S2007-0215 DRWN:SKANG CHKD:MLONG APPR:SKTOH	2006/09/11 2006/09/13 2006/09/18	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY VSKHOANG	DATE 2004/02/10	DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT MOLEX INCORPORATED		
				4 PLACES ± ---	± ---	CHECKED BY	DATE			
				3 PLACES ± ---	± ---	PTL IM	2004/02/10			
				2 PLACES ± 0.20	± ---	APPROVED BY	DATE			
				1 PLACE ± ---	± ---	SKTOH	2004/02/10	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
				ANGULAR ± 3 °		SEE TABLE		SD-87693-202		1 OF 5
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



SECTION A-A

VOID P/N EC NO: S2007-0215 DRWN:SKANG CHKD:MLONG APPR:SKTOH	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ☉		
				mm	INCH	DRAWN BY VSKHOANG	DATE 2004/02/10	TITLE DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT	MOLEX INCORPORATED	SHEET NO. 2 OF 5	
			4 PLACES	± ---	± ---	CHECKED BY PTL IM	DATE 2004/02/10				
			3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2004/02/10				
			2 PLACES	± 0.20	± ---	MATERIAL NO.		DOCUMENT NO.			
			1 PLACE	± ---	± ---	SEE TABLE		SD-87693-202			
			ANGULAR ± 3 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											





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				mm	INCH	DRAWN BY	DATE	TITLE DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	VSKHOANG	2004/02/10					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.20	± ---	PTL IM	2004/02/10	APPROVED BY DATE SKTOH 2004/02/10				
1 PLACE	± 0.20	± ---										
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87693-202		4 OF 5			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9	8	7	6	5	4	3	2	1																
F	E	D	C	B	A	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												
							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	3.32	3.60	2.5 VOLT	LEFT	2.175	6.62	NATURAL																			
C	B	A	PLATING OPTION	PART NUMBER	TAIL LENGTH P±0.25	RECOMMENDED PCB THICKNESS	VOLTAGE KEY	DESCRIPTION	D1	D2	FINISHES CONTACT AREA	HOUSING COLOUR	LATCH													
															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
																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		

F	E	D	C	B	A	VOID P/N EC NO: S2007-0215 DRWN:SKANG CHKD:MLONG APPR:SKTOH	REV 2006/09/11 2006/09/13 2006/09/18	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	DDR DIMM, 1.27MM PITCH 184 CKTS, LIGHTPIPE VERTICAL PRESS-FIT MOLEX INCORPORATED	SHEET NO. 5 OF 5
											MM ONLY						
											DRAWN BY	DATE					
											VSKHOANG	2004/02/10					
											CHECKED BY	DATE					
											PTL IM	2004/02/10					
											APPROVED BY	DATE					
											SKTOH	2004/02/10					
											MATERIAL NO.						
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