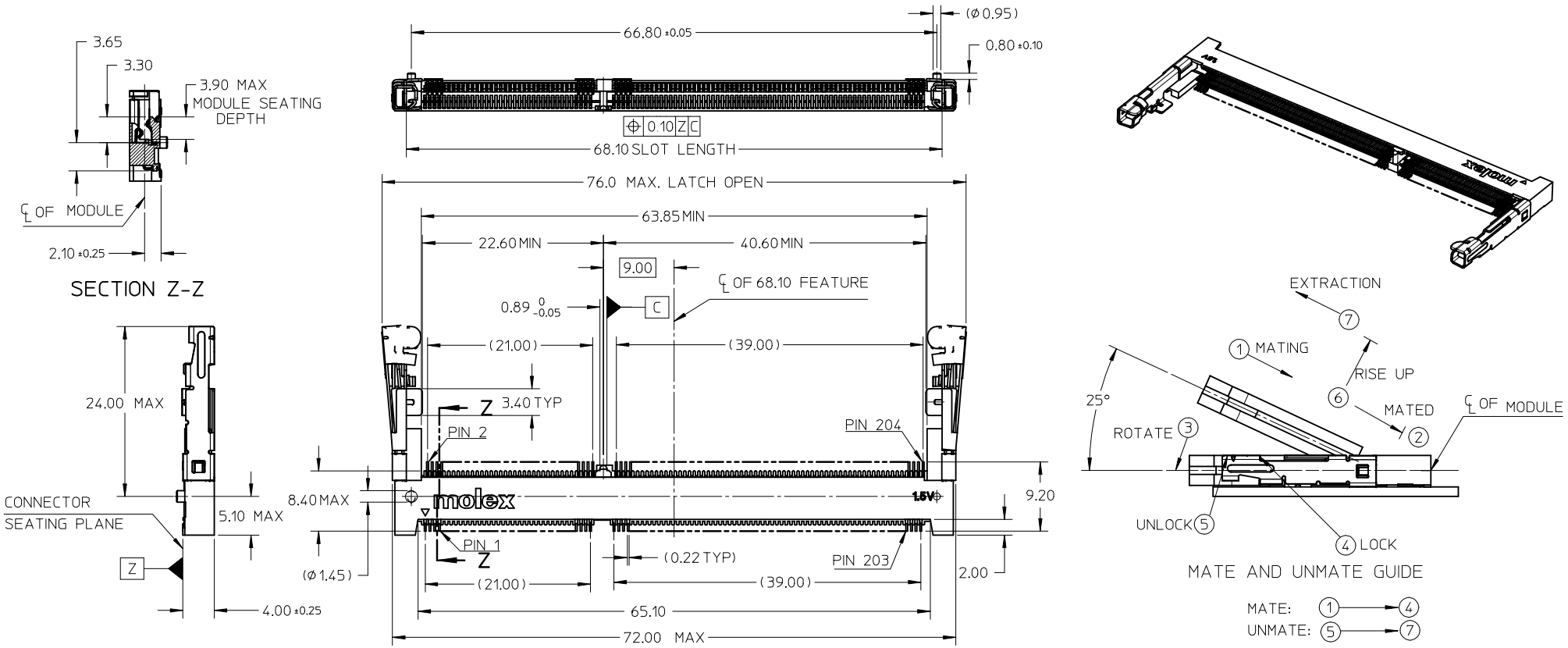


MATE AND UNMATE GUIDE

MATE: 1 → 4
UNMATE: 5 → 7

NOTE :

1.MATERIAL:
HOUSING : LCP - UL94V-0, COLOR: BLACK
CONTACTS : COPPER ALLOY
LOCK LEVER : STAINLESS STEEL
2.FINISHES:
CONTACT AREA : REFER TABLE.
SOLDER TAIL AREA : GOLD FLASH OVER 50μIN/1.27μM NICKEL.
LOCK LEVER SOLDER PAD:100μIN/2.54μM MATTE TIN OVER 50μIN/1.27μM NICKEL.
3.RECOMMENDED MODULE LAYOUT SHALL BE AS PER JEDEC MO-268
4.PRODUCT SPEC AS PER - PS-78194-001, PS-78194-003
5.PART SHALL BE PACKED IN TRAY / TAPE & REEL
6.EDGE OF CONTACT PADS SHALL BE FREE OF BURRS AND EXTERNAL TIE BARS
7.THE ADDITION OF THIS BEVEL IS A FABRICATION OPTION AND IS NOT REQUIRED. THE BEVEL AIDS THE INSERTION OF THE MODULES INTO THE CONNECTOR. THE BEVEL MUST NOT ENCORACH ONTO GOLD PADS.
8.COPLANARITY INCLUDES HOLD DOWN 0.1 MAX

PART NO.	CONTACT AREA FINISH	SOLDER TAIL FINISH	PACKAGING
78194-0001	3μIN/0.076μM GOLD OVER 50μIN/1.27μM NICKEL	GOLD FLASH OVER 50μIN/1.27μM NICKEL	TRAY
78194-1501	15μIN/0.38μM GOLD OVER 50μIN/1.27μM NICKEL		
78194-3001	30μIN/0.76μM GOLD OVER 50μIN/1.27μM NICKEL		
78194-0011	3μIN/0.076μM GOLD OVER 50μIN/1.27μM NICKEL		TAPE & REEL
78194-1511	15μIN/0.38μM GOLD OVER 50μIN/1.27μM NICKEL		
78194-3011	30μIN/0.76μM GOLD OVER 50μIN/1.27μM NICKEL		

ADD GF DETAILS
EC NO: S2010-0162 2009/08/28
DRWN:TARUMUGHAM 2009/08/28
CH'KD:CGTAN 2009/09/02
APPR:SHLENI
DESCRIPTION
REV
A3

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

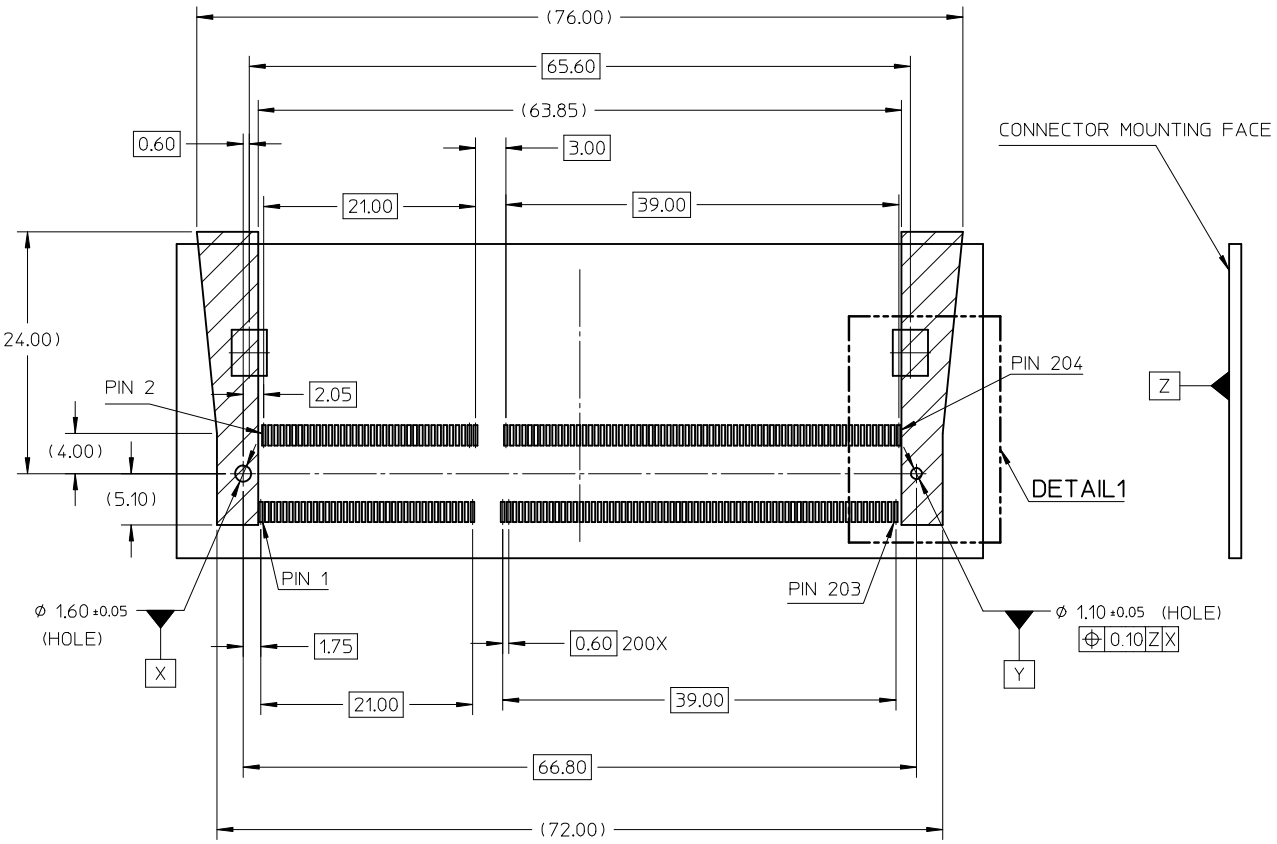
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SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

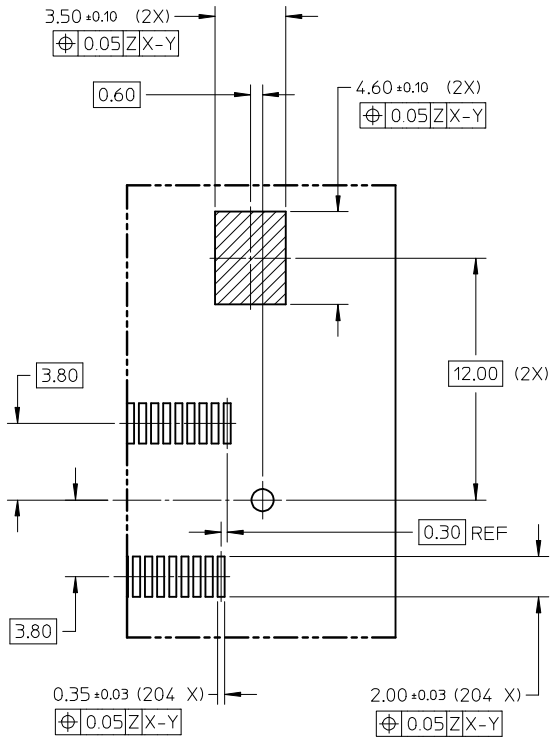
DRAWN BY: VMANICKAM DATE: 2007/07/16
CHECKED BY: CCTEH DATE: 2007/09/03
APPROVED BY: SHLENI DATE: 2007/09/03
MATERIAL NO.: SEE TABLE

TITLE: DDR3 SODIMM 204 CKTS, 4.0MM HEIGHT STANDARD ORIENTATION
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-78194-001
SHEET NO.: 1 OF 5
SIZE: A3

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RECOMMENDED PCB LAYOUT FOR STANDARD ORIENTATION (TOP VIEW)





DETAIL1

ADD GF DETAILS
EC NO: S2010-0162 2009/08/28
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DESCRIPTION
REV

A3

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	VMANICKAM
DATE	2007/07/16
CHECKED BY	CCTEH
DATE	2007/09/03
APPROVED BY	SHLENI
DATE	2007/09/03
MATERIAL NO.	SEE TABLE

TITLE: DDR3 SODIMM
204 CKTS, 4.0MM HEIGHT
STANDARD ORIENTATION

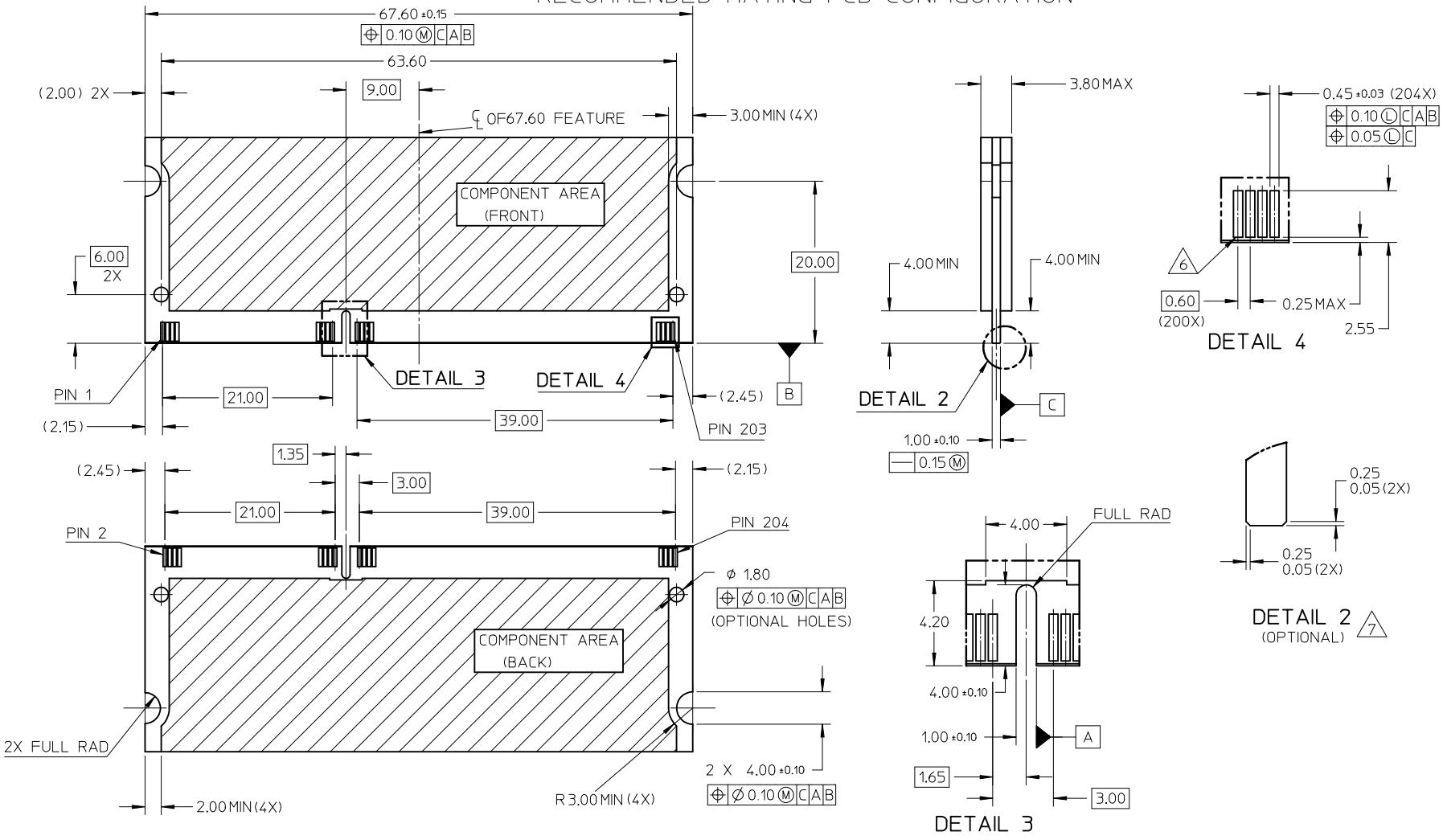
MOLEX INCORPORATED

DOCUMENT NO. SD-78194-001

SHEET NO. 2 OF 5

SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RECOMMENDED MATING PCB CONFIGURATION



ADD GF DETAILS
EC NO: S2010-0162
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APPR:SHLENI 2009/09/02
DESCRIPTION
REV

A3

QUALITY SYMBOLS
▼=0
Ⓒ=0

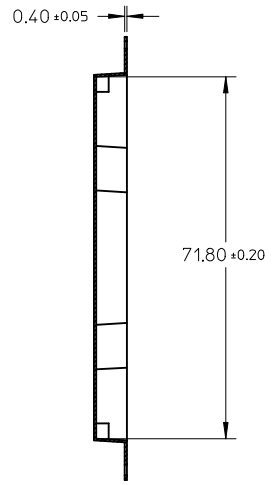
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

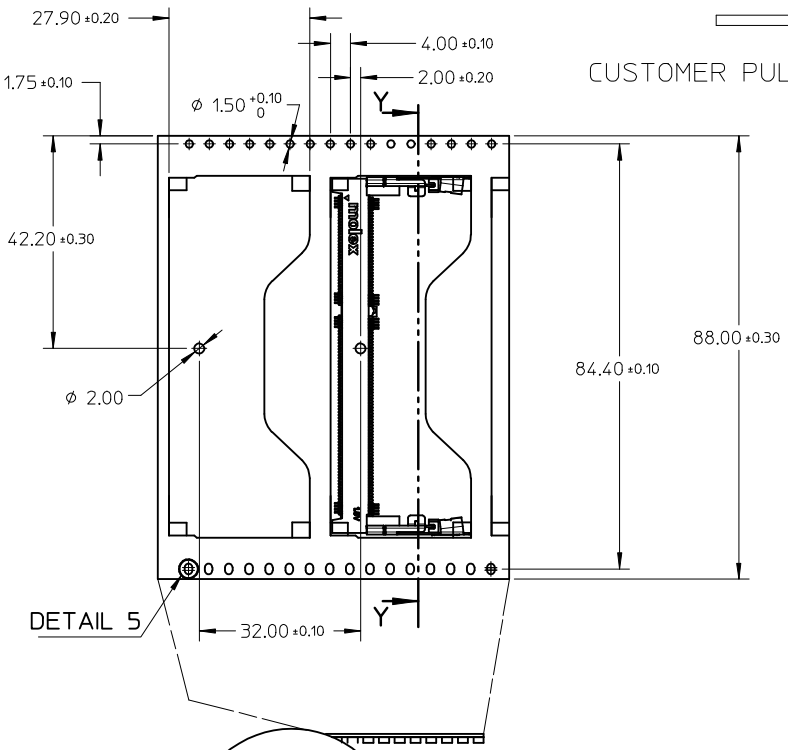
DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: VMANICKAM	DATE: 2007/07/16	TITLE: DDR3 SODIMM 204 CKTS, 4.0MM HEIGHT STANDARD ORIENTATION	
CHECKED BY: CCTEH	DATE: 2007/09/03		
APPROVED BY: SHLENI	DATE: 2007/09/03	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE TABLE		DOCUMENT NO.: SD-78194-001	SHEET NO.: 3 OF 5

SIZE A3

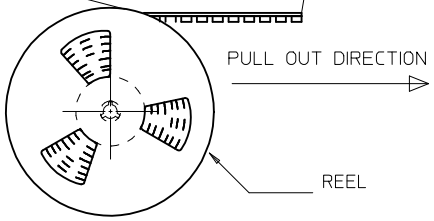
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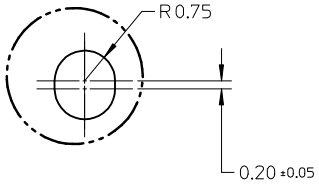


SECTION Y-Y



CUSTOMER PULL OUT DIRECTION

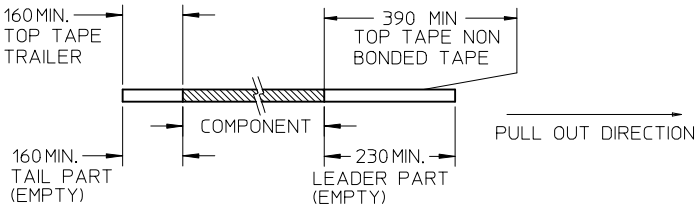




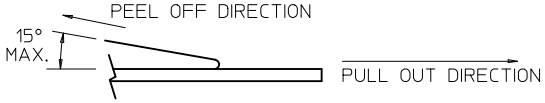
DETAIL 5

NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 10 - 150gf AS PER EIA-481-B.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE AND REEL QUANTITY : 250 PCS/ REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.

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QUALITY SYMBOLS
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GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: VMANICKAM DATE: 2007/07/16
CHECKED BY: CCTEH DATE: 2007/09/03
APPROVED BY: SHLENI DATE: 2007/09/03

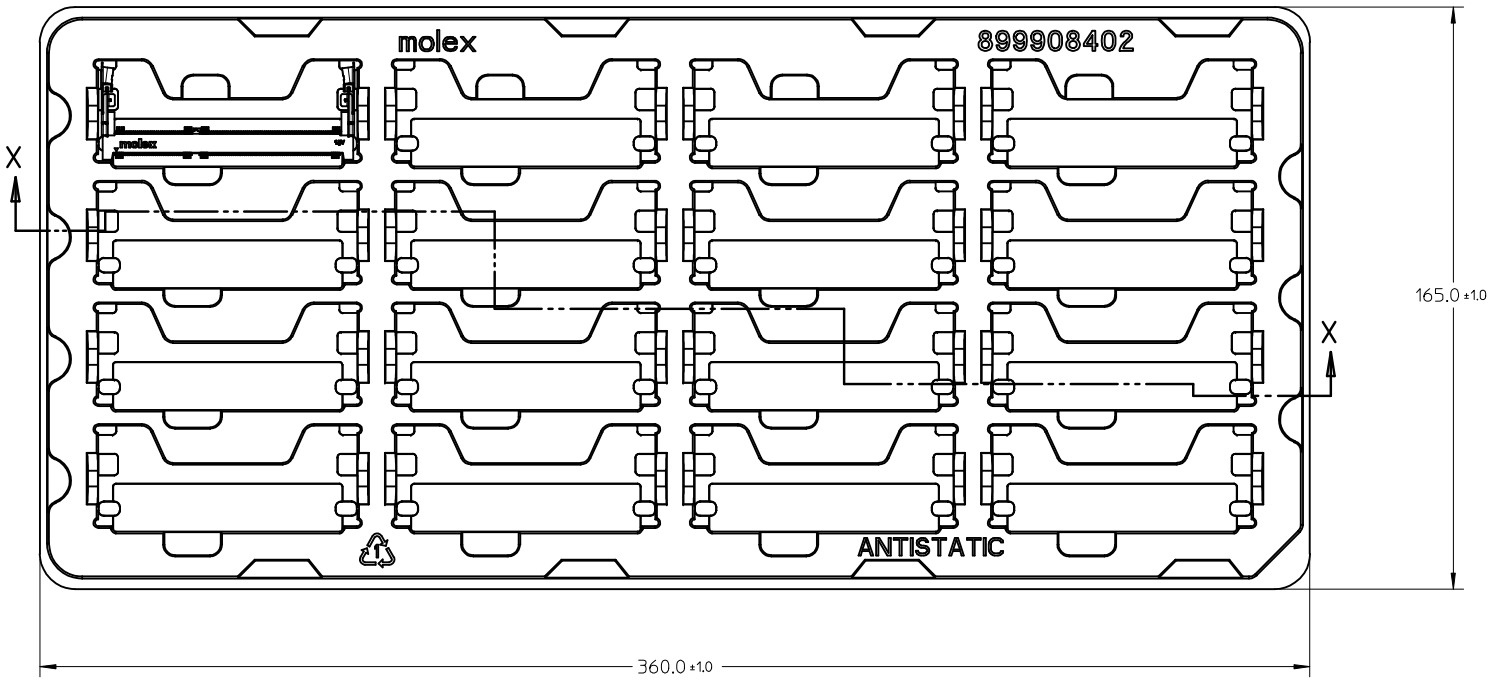
TITLE: DDR3 SODIMM
204 CKTS, 4.0MM HEIGHT
STANDARD ORIENTATION

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78194-001
SHEET NO.: 4 OF 5

SIZE: A3

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SECTION X-X

NOTES:
1. DRAFT ANGLE OF 3°UNLESS OTHERWISE SPECIFIED
2. CAVITY QTY: 4X4=16

ADD GF DETAILS
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DRWN:TARUMUGHAM 2009/08/28
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APPR:SHLENI
DESCRIPTION
REV

A3

QUALITY SYMBOLS
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▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
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ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: VMANICKAM DATE: 2007/07/16
CHECKED BY: CCTEH DATE: 2007/09/03
APPROVED BY: SHLENI DATE: 2007/09/03

TITLE: DDR3 SODIMM
204 CKTS, 4.0MM HEIGHT
STANDARD ORIENTATION

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78194-001
SHEET NO.: 5 OF 5

SIZE A3

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