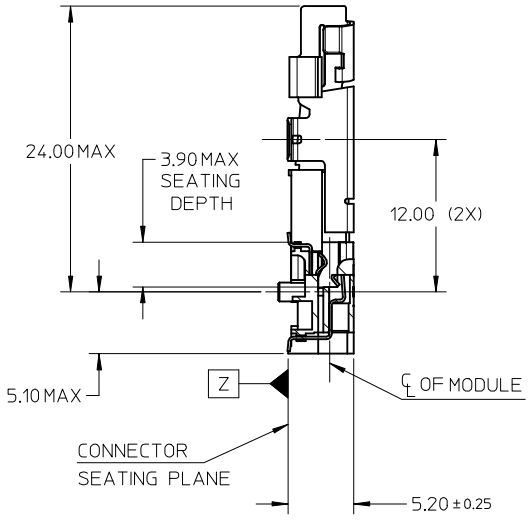
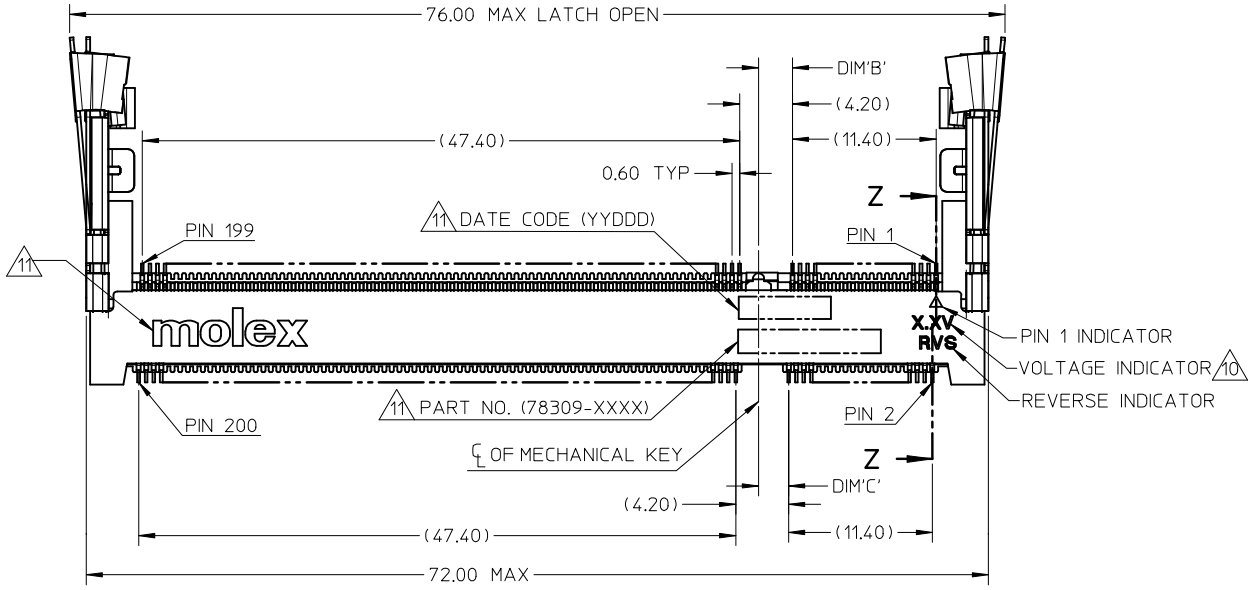


SECTION Z-Z



PART NO.	PACKAGING	TYPE	DIM'A'	DIM'B'	DIM'C'	10 VOLTAGE	CONTACT AREA FINISH
78309-1130	TRAY	DDR	18.45	1.80	1.50	2.5 V	30 MICROINCH / 0.76 MICROMETER GOLD OVER 50 MICROINCH / 1.27 MICROMETER NICKEL
78309-1730	TAPE & REEL						
78309-2230	TRAY	DDR2	17.55	2.70	2.40	1.8 V	30 MICROINCH / 0.76 MICROMETER GOLD OVER 50 MICROINCH / 1.27 MICROMETER NICKEL
78309-2730	TAPE & REEL						
78309-1115	TRAY	DDR	18.45	1.80	1.50	2.5 V	15 MICROINCH / 0.38 MICROMETER GOLD OVER 50 MICROINCH / 1.27 MICROMETER NICKEL
78309-1715	TAPE & REEL						
78309-2215	TRAY	DDR2	17.55	2.70	2.40	1.8 V	15 MICROINCH / 0.38 MICROMETER GOLD OVER 50 MICROINCH / 1.27 MICROMETER NICKEL
78309-2715	TAPE & REEL						

NOTE :
1. MATERIAL:
   HOUSING: LCP - UL94V-0, COLOUR: BLACK
   CONTACTS: COPPER ALLOY
   LOCK LEVER: STAINLESS STEEL
2. FINISH:
   CONTACT AREA: REFER TABLE IN SHEET 1.
   SOLDER TAIL AREA: 100μIN/2.54μM TIN OVER 50μIN/1.27μM NICKEL.
   LOCK LEVER SOLDER PAD: 100μIN/2.54μM TIN OVER 50μIN/1.27μM NICKEL.
3. PRODUCT SPEC AS PER PS-78309-001, PS-78309-002.
4. PART SHALL BE PACKED IN TRAY / TAPE & REEL.
5. RECOMMENDED MODULE LAYOUT SHALL BE AS PER JEDEC MO-224.
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 MODULE INTO THE CONNECTOR. THE BEVEL IS NOT TO HIT THE PLATED CONTACTS.
8. COPLANARITY INCLUDES HOLD DOWN 0.1 MAX.
9. BORDER OF COMPONENT AREA.
10. SUPPLY VOLTAGE TO BE INDICATED ON HOUSING. (SEE TABLE IN SHT 2)
11. MOLEX LOGO, DATE CODE & PART NO. TO BE INDICATED ON HOUSING.

THE DESIGN IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE.
IT MAY CHANGE BASED ON RESULTS OF ADDITIONAL DESIGN REVIEWS & VERIFICATION.

REV	DESCRIPTION	DRWN	CH'KD	APPR	DATE
3	ADD 15Au PART No. EC NO: S2009-0212	VMANICKAM	CCTEH	SHLENI	2008/10/10 2008/10/13 2008/10/13

QUALITY SYMBOLS
▼=0
▽=0

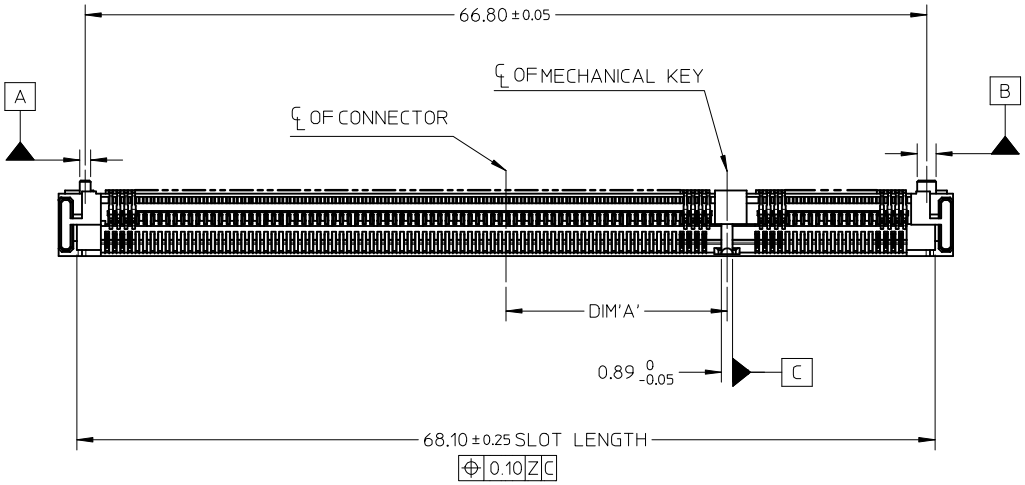
GENERAL TOLERANCES (UNLESS SPECIFIED)

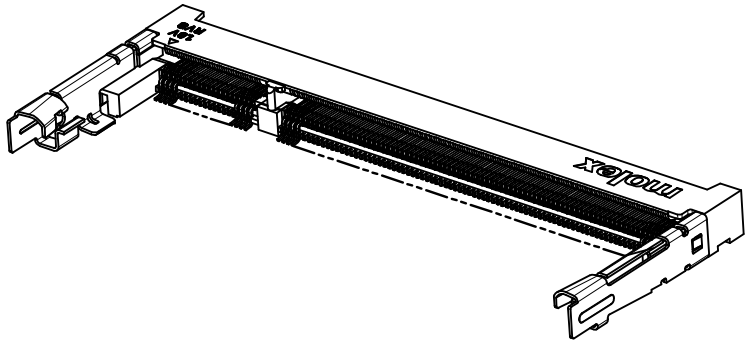
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 1 °		

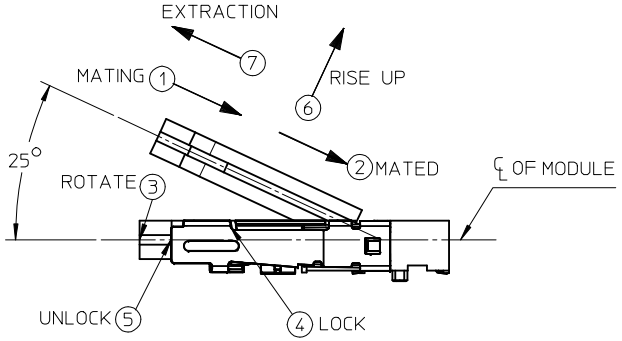
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DWLEE01
DATE	2007/08/31
CHECKED BY	VMANICKAM
DATE	2007/12/06
APPROVED BY	SHLENI
DATE	2007/12/06
MATERIAL NO.	SEE TABLE
TITLE	DDR/DDR2 SO DIMM 200 CKTS, 5.2MM HEIGHT REVERSE ORIENTATION
	MOLEX INCORPORATED
DOCUMENT NO.	SD-78309-001
SHEET NO.	1 OF 6
SIZE	A3

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MATE AND UNMATE GUIDE

MATE: 1 → 4

UNMATE: 5 → 7

ADD 15Au PART No.
EC NO: S2009-0212
DRWN:VMANICKAM 2008/10/10
CH'KD:CCTEH 2008/10/13
APPR:SHLENI 2008/10/13
DESCRIPTION
REV
3

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DWLEE01
DATE	2007/08/31
CHECKED BY	VMANICKAM
DATE	2007/12/06
APPROVED BY	SHLENI
DATE	2007/12/06
MATERIAL NO.	SEE TABL;E
SIZE	A3

TITLE: DDR/DDR2 SO DIMM 200 CKTS, 5.2MM HEIGHT REVERSE ORIENTATION

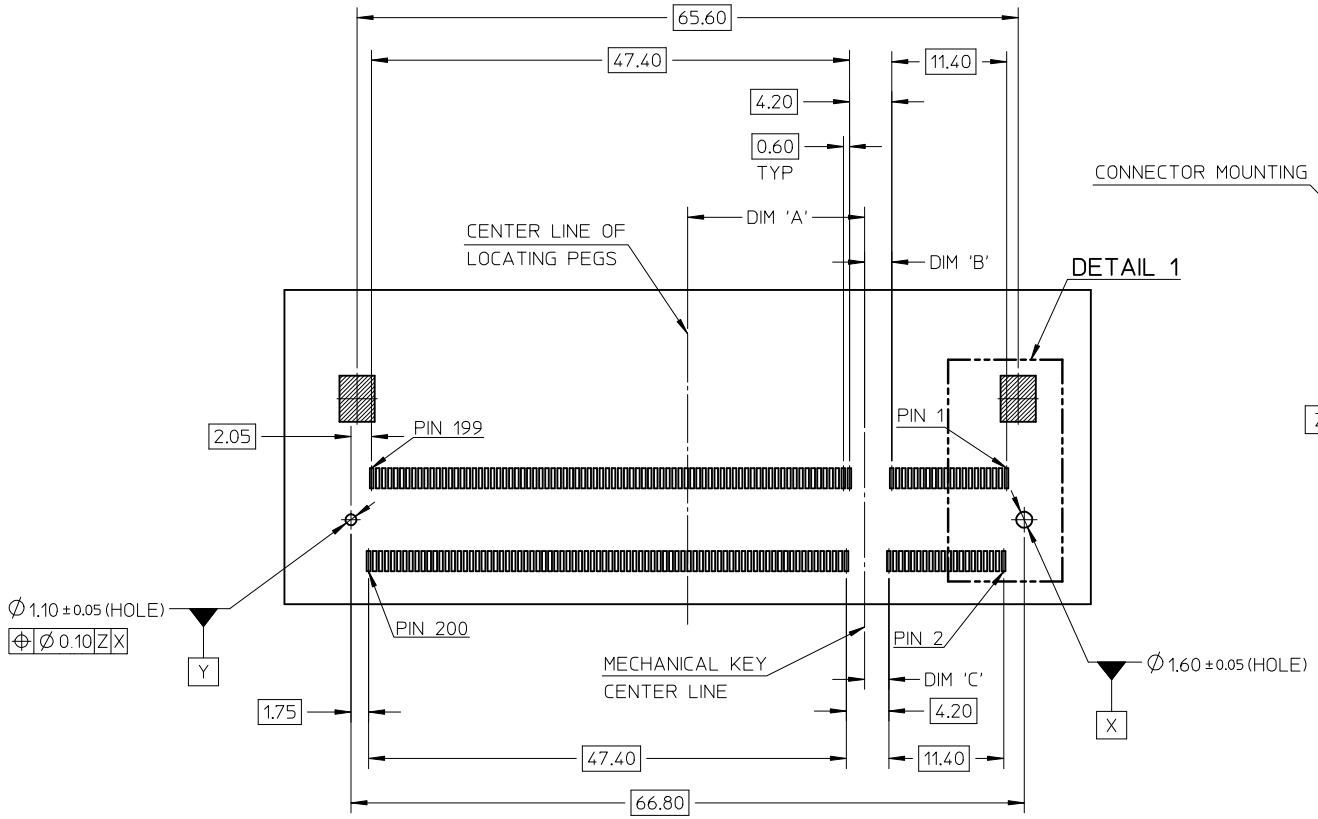
MOLEX INCORPORATED

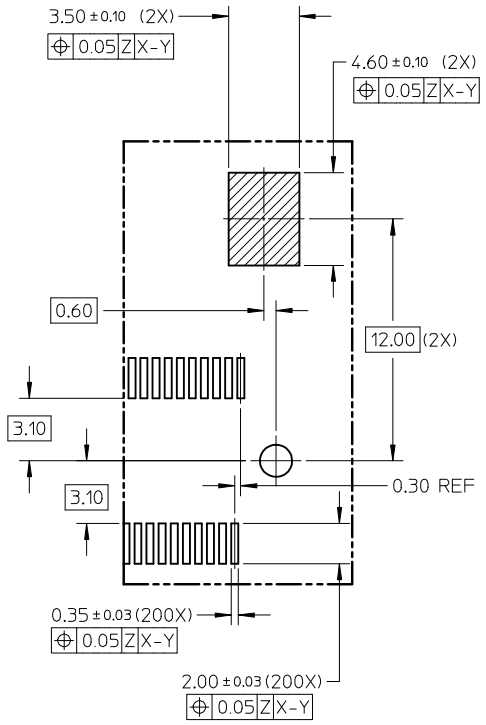
DOCUMENT NO. SD-78309-001

SHEET NO. 2 OF 6

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RECOMMENDED PCB LAYOUT FOR REVERSE ORIENTATION (TOP VIEW)





DETAIL 1

PART NO.	TYPE	DIM'A'	DIM'B'	DIM'C'	VOLTAGE
78309-1130	DDR	18.45	1.80	1.50	2.5 V
78309-1730					
78309-2230	DDR2	17.55	2.70	2.40	1.8 V
78309-2730					
78309-1115	DDR	18.45	1.80	1.50	2.5 V
78309-1715					
78309-2215	DDR2	17.55	2.70	2.40	1.8 V
78309-2715					

ADD 15Au PART No.
EC NO: S2009-0212
DRWN:VMANICKAM 2008/10/10
CH'KD:CCTEH 2008/10/13
APPR:SHLENI 2008/10/13
DESCRIPTION
REV
3

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: DWLEE01 DATE: 2007/08/31
CHECKED BY: VMANICKAM DATE: 2007/12/06
APPROVED BY: SHLENI DATE: 2007/12/06

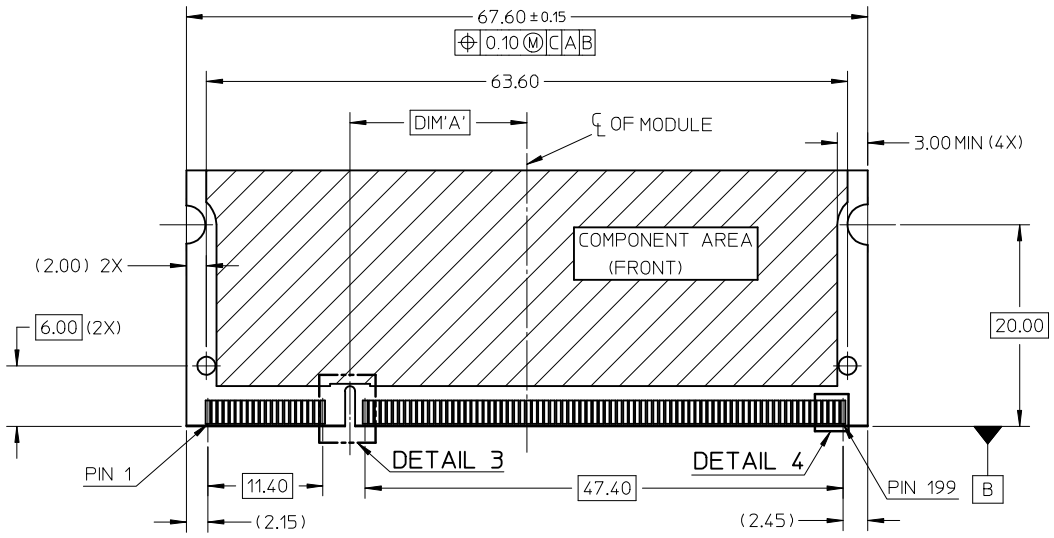
TITLE: DDR/DDR2 SO DIMM
200 CKTS, 5.2MM HEIGHT
REVERSE ORIENTATION

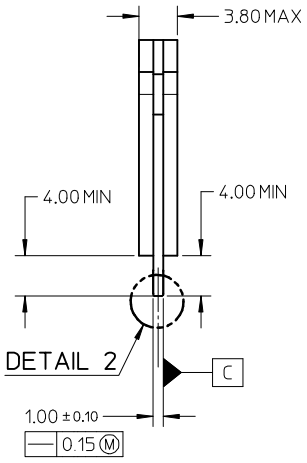
MOLEX INCORPORATED

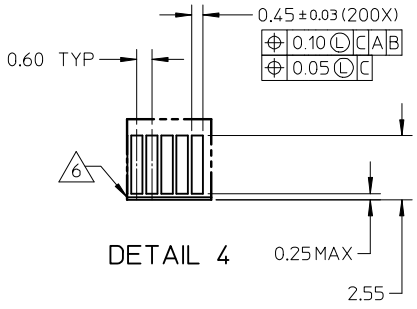
MATERIAL NO.: SEE TABL;E
DOCUMENT NO.: SD-78309-001
SHEET NO.: 3 OF 6
SIZE: A3

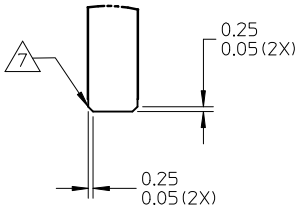
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

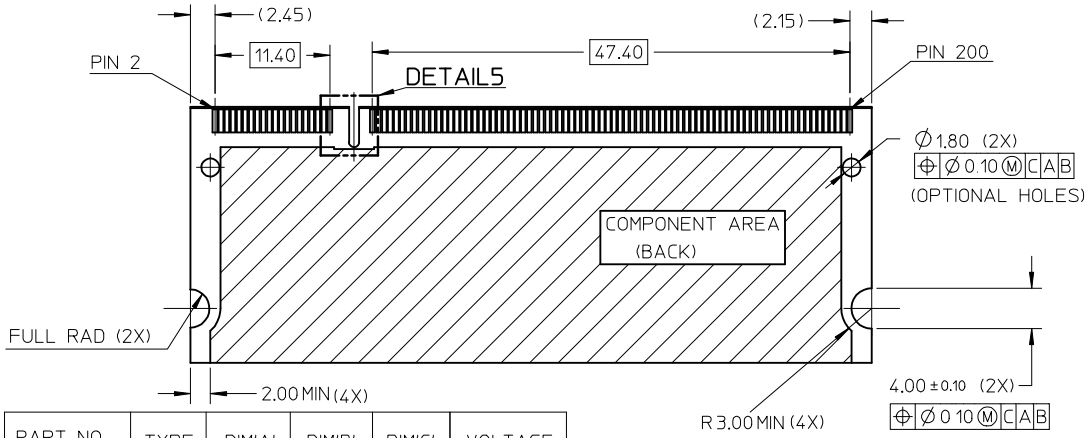
RECOMMENDED MATING PCB CONFIGURATION

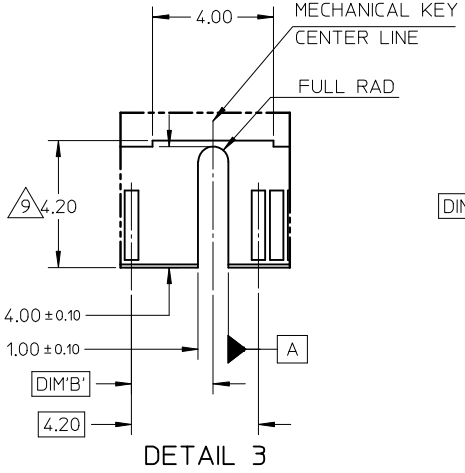


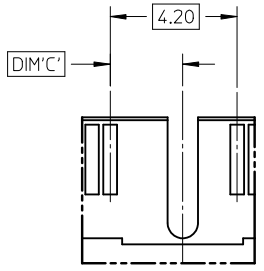












PART NO.	TYPE	DIM'A'	DIM'B'	DIM'C'	VOLTAGE
78309-1130	DDR	18.45	1.80	1.50	2.5 V
78309-1730					
78309-2230	DDR2	17.55	2.70	2.40	1.8 V
78309-2730					
78309-1115	DDR	18.45	1.80	1.50	2.5 V
78309-1715					
78309-2215	DDR2	17.55	2.70	2.40	1.8 V
78309-2715					

ADD 15Au PART No.
EC NO: S2009-0212
DRWN:VMANICKAM 2008/10/10
CH'KD:CCTEH 2008/10/13
APPR:SHLENI 2008/10/13
DESCRIPTION
REV
3

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

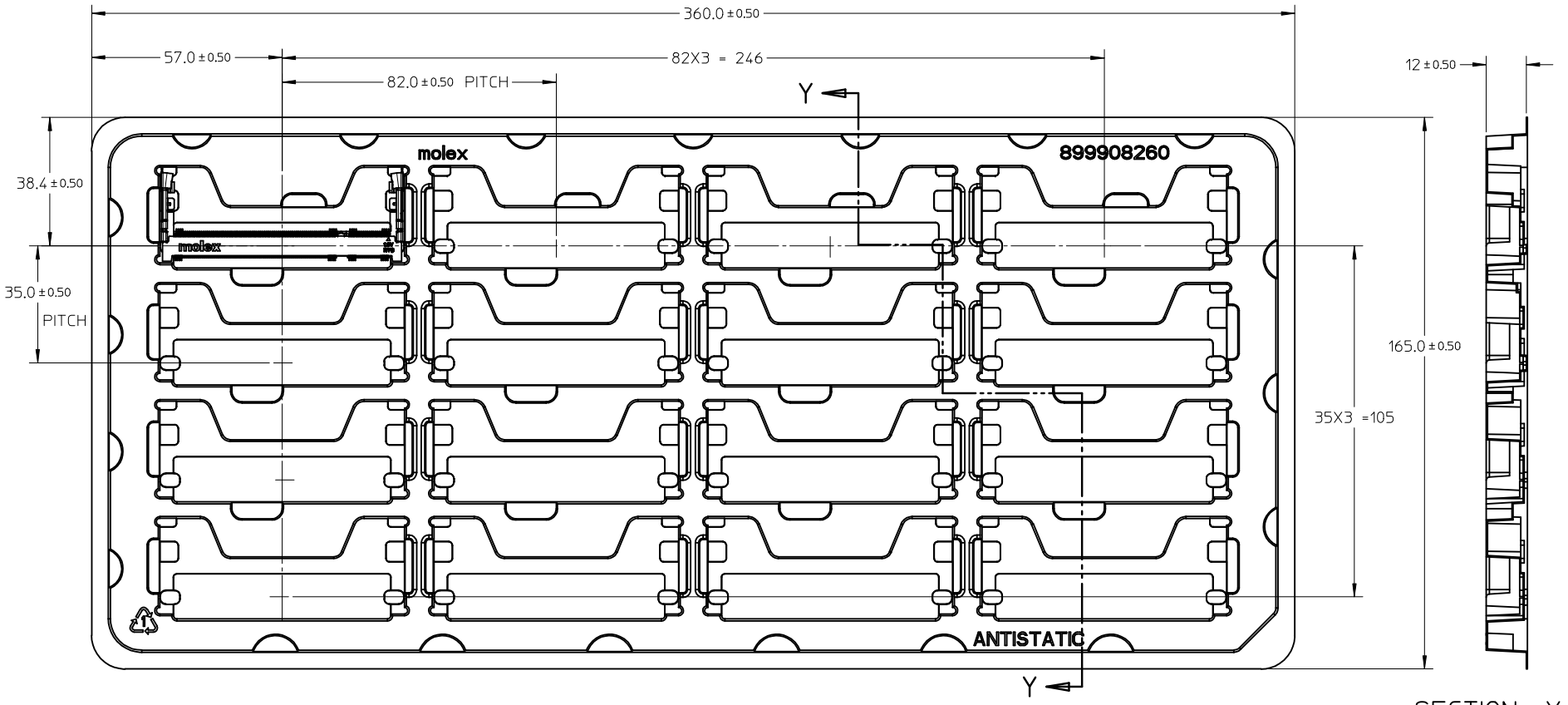
DRAWN BY: DWLEE01 DATE: 2007/08/31
CHECKED BY: VMANICKAM DATE: 2007/12/06
APPROVED BY: SHLENI DATE: 2007/12/06

TITLE: DDR/DDR2 SO DIMM
200 CKTS, 5.2MM HEIGHT
REVERSE ORIENTATION

MOLEX INCORPORATED

MATERIAL NO.: SEE TABL;E
DOCUMENT NO.: SD-78309-001
SHEET NO.: 4 OF 6
SIZE: A3

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SECTION Y-Y

NOTE:

1. NO. OF CAVITY: 4 X 4 = 16

ADD 15Au PART No.							
EC NO: S2009-0212							
DRWN:VMANICKAM	2008/10/10						
CH'KD:CCTEH	2008/10/13						
APPR:SHLENI	2008/10/13						
REV	DESCRIPTION						
B							

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: DWLEE01	DATE: 2007/08/31		
CHECKED BY: VMANICKAM	DATE: 2007/12/06		
APPROVED BY: SHLENI	DATE: 2007/12/06		
MATERIAL NO.: SEE TABL;E			
SIZE: A3			

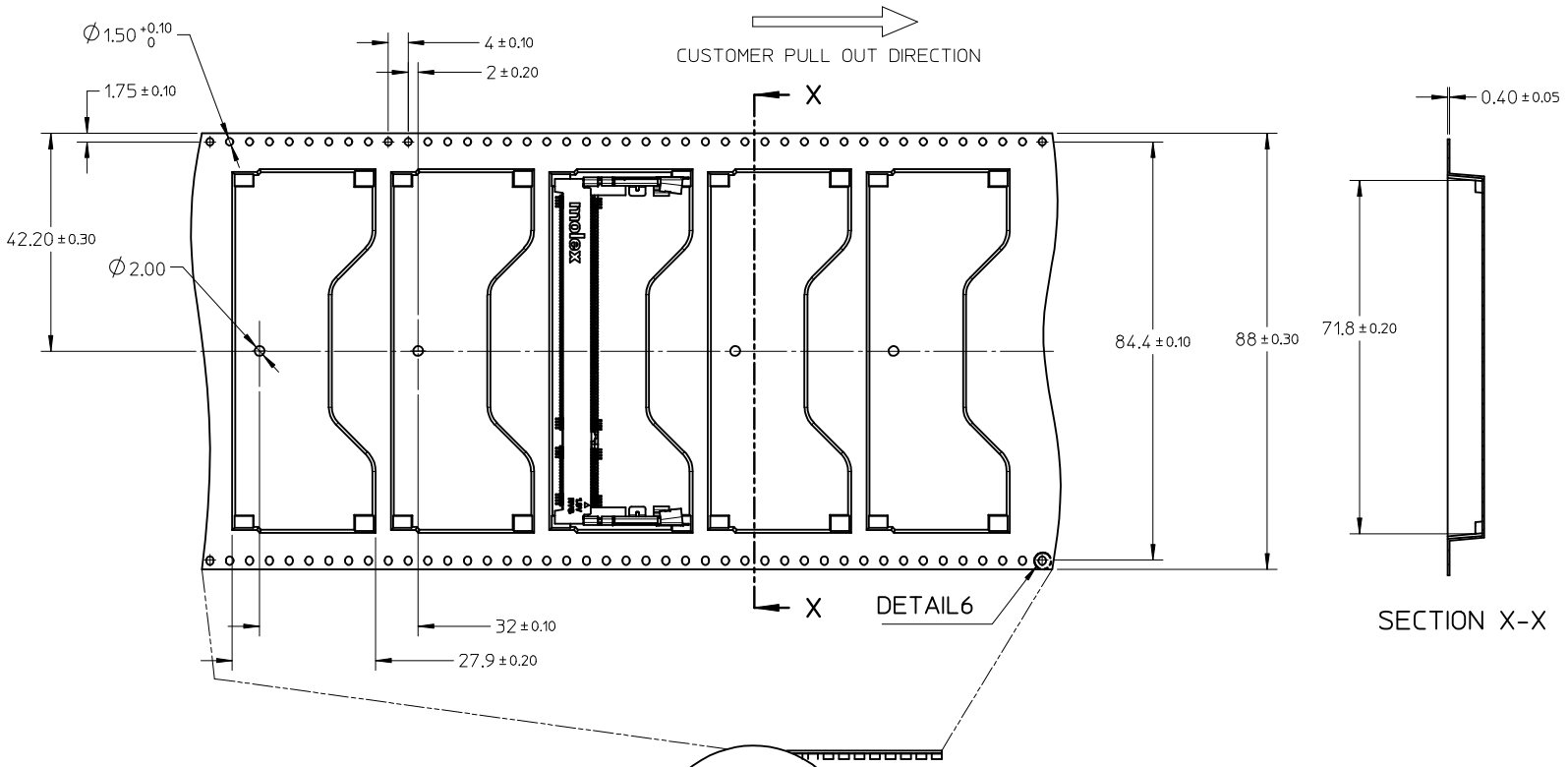
TITLE: DDR/DDR2 SO DIMM 200 CKTS, 5.2MM HEIGHT REVERSE ORIENTATION

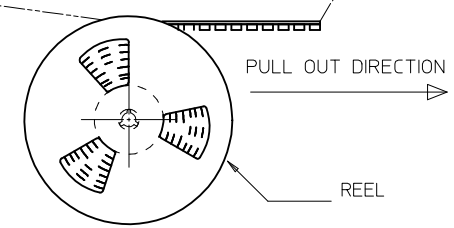
MOLEX INCORPORATED

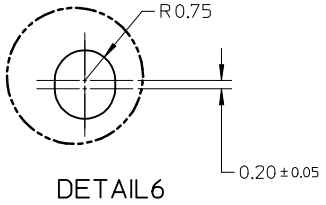
DOCUMENT NO.: SD-78309-001

SHEET NO.: 5 OF 6

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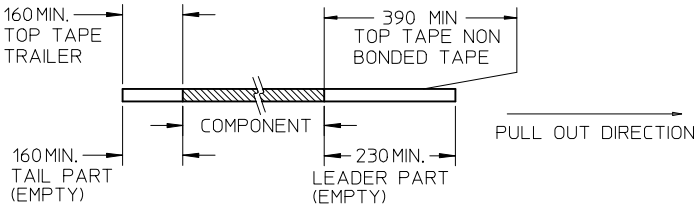




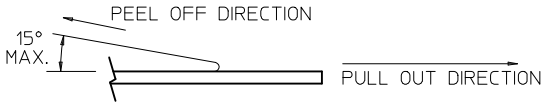
DETAIL6

NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE AND REEL QUANTITY : 200 PCS/ REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.

REV	DESCRIPTION	
3	ADD 15Au PART No. EC NO: S2009-0212	2008/10/10
	DRWN:VMANICKAM	2008/10/13
	CH'KD:CCTEH	2008/10/13
	APPR:SHLENI	

QUALITY SYMBOLS
▼=0
Ⓒ=0

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DWLEE01
DATE	2007/08/31
CHECKED BY	VMANICKAM
DATE	2007/12/06
APPROVED BY	SHLENI
DATE	2007/12/06
MATERIAL NO.	SEE TABL;E
SIZE	A3

TITLE: DDR/DDR2 SO DIMM
200 CKTS, 5.2MM HEIGHT
REVERSE ORIENTATION

MOLEX INCORPORATED

DOCUMENT NO. SD-78309-001

SHEET NO. 6 OF 6

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