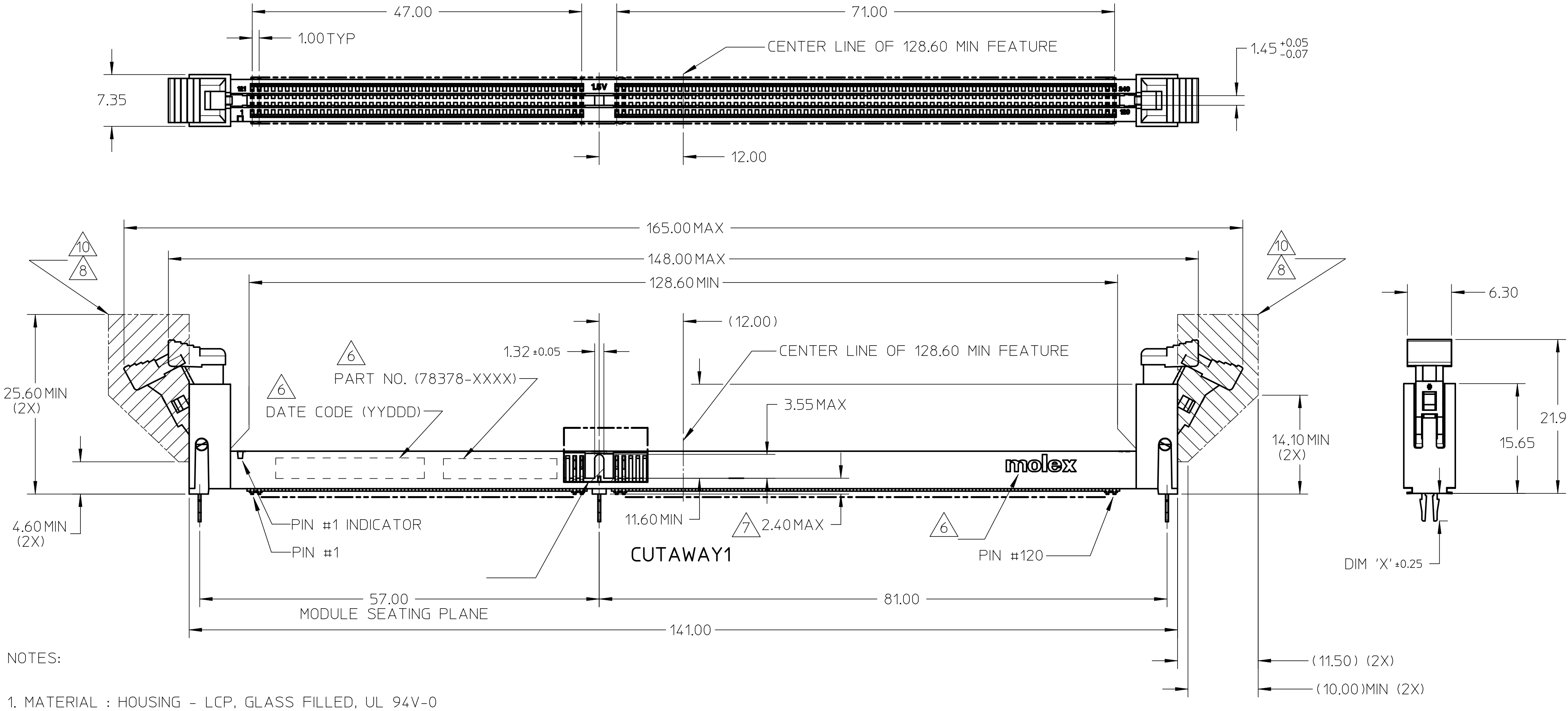


NOTES:

1. MATERIAL : HOUSING - LCP, GLASS FILLED, UL 94V-0
   COLOUR : BLACK.
   LATCH - NYLON, GLASS FILLED, UL 94V-0
   COLOUR : SEE TABLE ON SHEET 6.
   TERMINAL : COPPER ALLOY.
2. FINISHES - SEE TABLE ON SHEET 6.
3. PRODUCT SPECIFICATION : RPS-78507-001
4. PACKAGING SPECIFICATION: PRODUCT SHALL BE PACKED IN TRAY, SEE SHEET 5
5. CARD SLOT ACCEPTS 1.27±0.10MM MODULE THICKNESS (MEASURED FROM P.C. PADS).
6. MOLEX LOGO, DATE & PART NO. INDICATED ON HOUSING.
7. MODULE SEATING PLANE FROM TOP OF PCB.
8. KEEP OUT ZONE RESERVED FOR LATCH.
9. KEEP OUT AREA IS THE AREA WHERE THE CONNECTOR (INCLUDED LATCHES IN OPENING POSITION) IS MOUNTED ON THE PCB.
10. KEEP OUT ZONE AS PER JEDEC SO-014.

AMD. JEDEC STD. NO.
EC NO: S2011-0743
DRWN:CCTEH 2011/02/25
CH'KD:CGTAN 2011/04/19
APPR:SHLENI 2011/04/19
DESCRIPTION
2
REV

QUALITY SYMBOLS
FA =0
FC =0
FP =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

		DATE
DRAWN BY	JAKEEMEW	2009/04/22
CHECKED BY	CCTEH	2009/05/27
APPROVED BY	SHLENI	2009/05/27

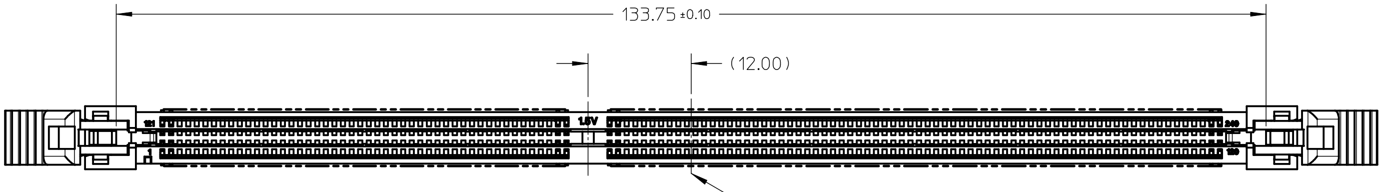
MATERIAL NO.: SEE TABLE

TITLE

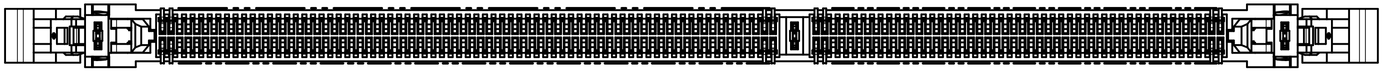
DDR3 DIMM, 1.00 PITCH 240CKTS, LSP, STD LATCH SMT, VERTICAL, LOWLLCR

molex MOLEX INCORPORATED

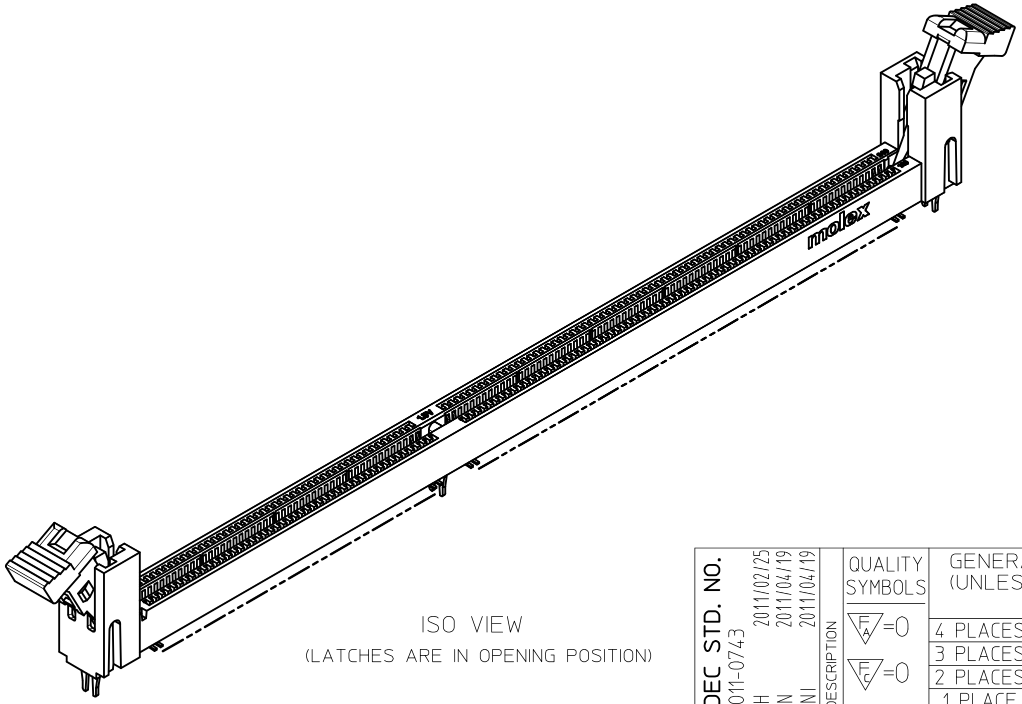
DOCUMENT NO.: SD-78507-001
SHEET NO.: 1 OF 6
SIZE: A3



TOP VIEW
(LATCHES ARE IN OPENING POSITION)



BOTTOM VIEW
(LATCHES ARE IN OPENING POSITION)



ISO VIEW
(LATCHES ARE IN OPENING POSITION)

AMD. JEDEC STD. NO.
EC NO: S2011-0743 2011/02/25
DRWN:CCTEH 2011/04/19
CH'KD:CGTAN 2011/04/19
APPR:SHLENI
DESCRIPTION
REV 2

QUALITY SYMBOLS
$\nabla_{F_A} = 0$
$\nabla_{F_C} = 0$
$\nabla_{F_P} = 0$

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

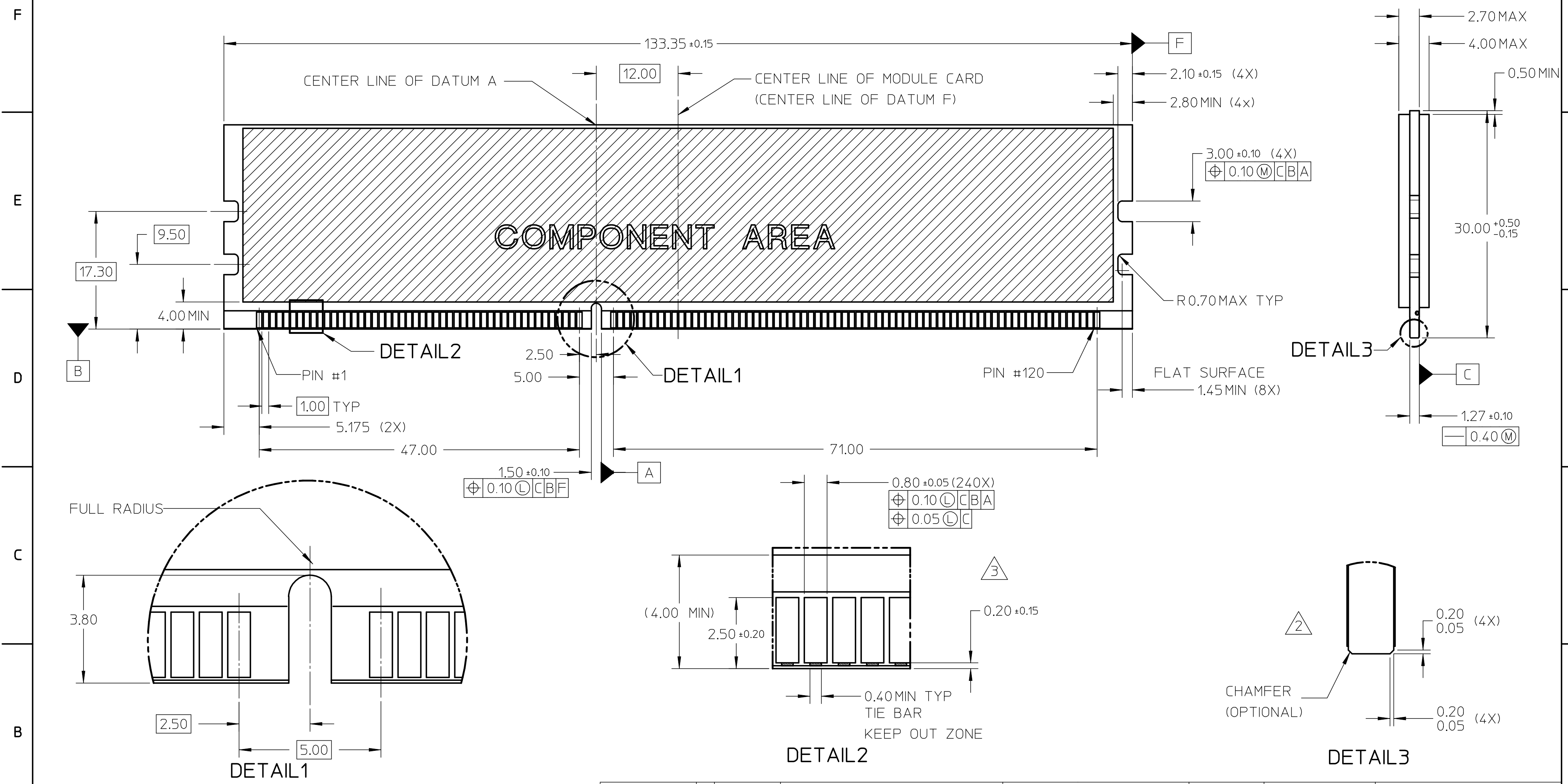
		DATE
DRAWN BY	JAKEEMEW	2009/04/22
CHECKED BY	CCTEH	2009/05/27
APPROVED BY	SHLENI	2009/05/27

TITLE
DDR3 DIMM, 1.00 PITCH
240CKTS, LSP, STD LATCH
SMT, VERTICAL, LOWLLCR

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78507-001
SHEET NO.: 2 OF 6
SIZE: A3

MODULE CARD
DDR3 DUAL IN-LINE MEMORY MODULE FAMILY 1.00MM CONTACT CENTERS
(JEDEC MO-269, ISSUE B, APRIL/06)



NOTES:
1. RECOMMENDED PLATING FOR CONTACT PADS:
PREFERRED: 0.76 MICROMETERS GOLD PLATING MIN
OVER 2.00 MICROMETERS NICKEL.
ALTERNATIVE: 0.05-0.75 MICROMETERS GOLD PLATING
OVER 2.00 MICROMETERS NICKEL MUST USE AN ELECTRONIC
CONTACT GRADE CORROSIVE BARRIER LUBRICANT.
2 CHAMFER IS OPTIONAL AND IS NOT TO HIT THE GOLD PADS.
3 LEADING EDGE OF GOLD PADS SPECIFIED BY KEEPOUT ZONE
SHALL BE FREE OF BURRS AND EXTERNAL TIE BARS.

REV	DESCRIPTION
2	AMD. JEDEC STD. NO. EC NO: S2011-0743 DRWN:CCTEH 2011/02/25 CH'KD:CGTAN 2011/04/19 APPR:SHLENI 2011/04/19

QUALITY SYMBOLS
F/A=0
F/C=0
F/P=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

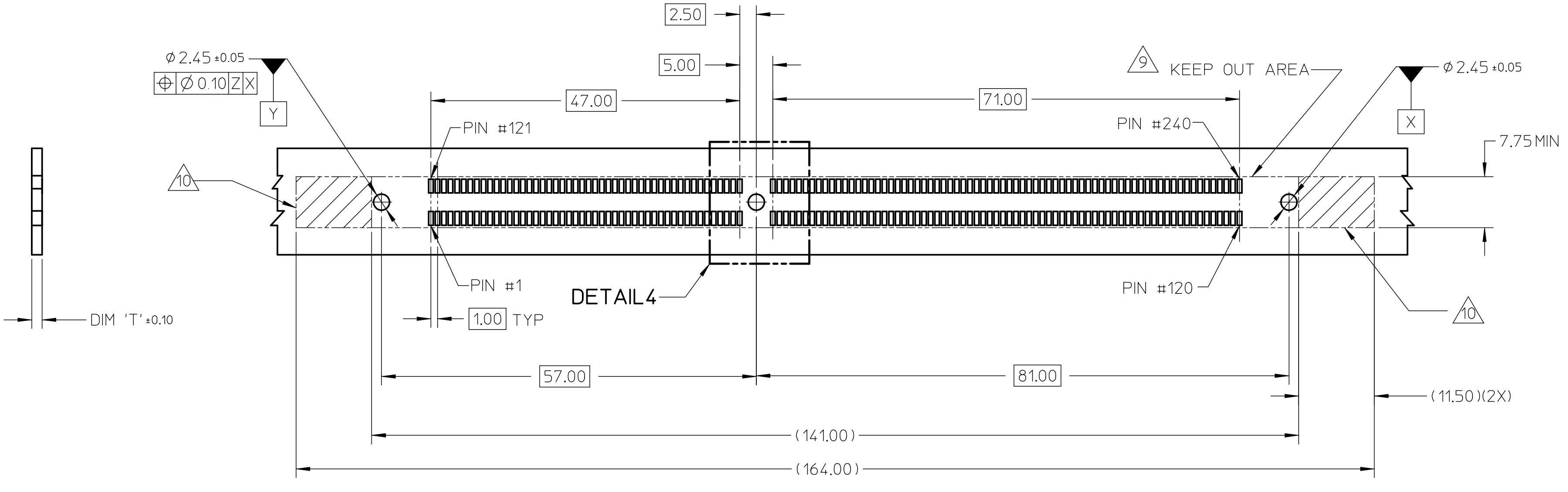
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	JAKEEMEW	2009/04/22
CHECKED BY	CCTEH	2009/05/27
APPROVED BY	SHLENI	2009/05/27

TITLE
DDR3 DIMM, 1.00 PITCH
240CKTS, LSP, STD LATCH
SMT, VERTICAL, LOWLLCR

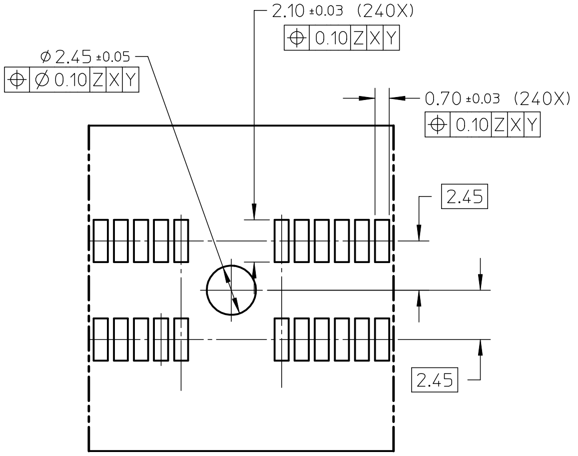
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78507-001
SHEET NO.: 3 OF 6
SIZE: A3



RECOMMENDED PCB THICKNESS = 1.57mm ~ 3.18mm

RECOMMENDED STENCIL THICKNESS = 150 MICROMETERS



DETAIL4

AMD. JEDEC STD. NO.
EC NO: S2011-0743
DRWN:CCTEH 2011/02/25
CH'KD:CGTAN 2011/04/19
APPR:SHLENI 2011/04/19
REV 2
DESCRIPTION

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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	JAKEEMEW	DATE 2009/04/22
CHECKED BY	CCTEH	DATE 2009/05/27
APPROVED BY	SHLENI	DATE 2009/05/27
MATERIAL NO.	SEE TABLE	

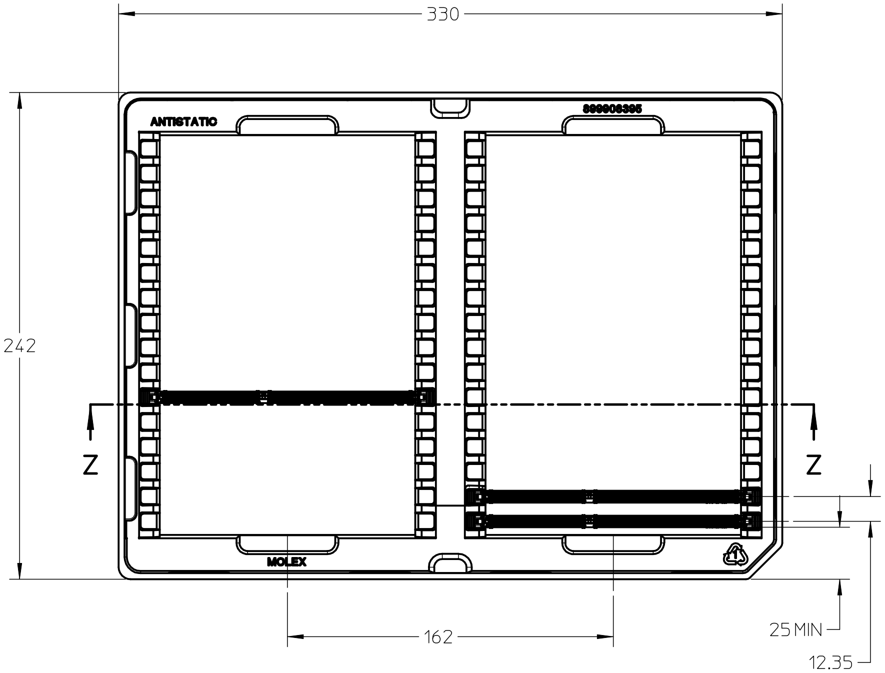
TITLE
DDR3 DIMM, 1.00 PITCH
240CKTS, LSP, STD LATCH
SMT, VERTICAL, LOWLLCR

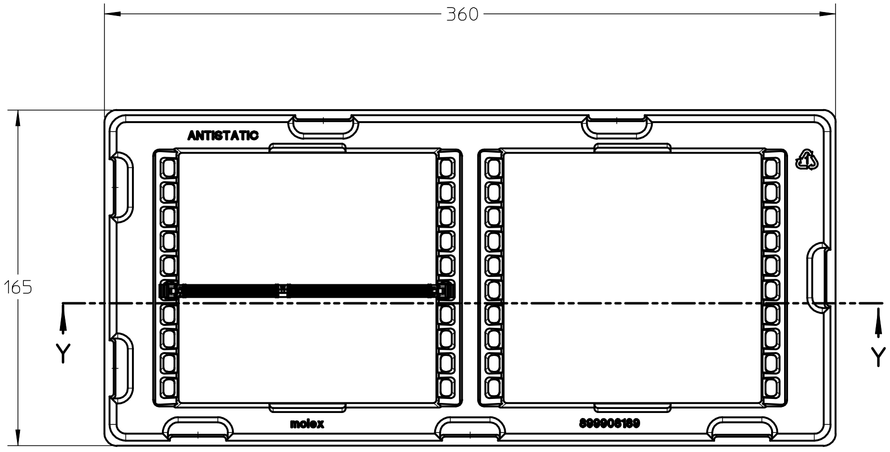
molex MOLEX INCORPORATED

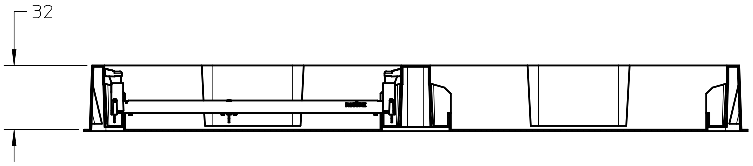
DOCUMENT NO. SD-78507-001
SHEET NO. 4 OF 6
SIZE A3

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

VIEW FOR PACKAGING TRAY

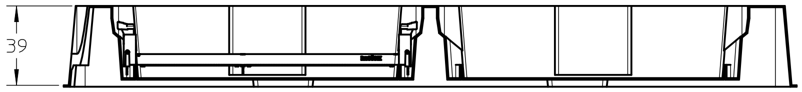






SECTION Z-Z

TRAY A - NO. OF CAVITY = 2 X 16 = 32PCS



SECTION Y-Y

TRAY B - NO. OF CAVITY = 2 X 10 = 20PCS

AMD. JEDEC STD. NO.
EC NO: S2011-0743
DRWN:CCTEH 2011/02/25
CH'KD:CGTAN 2011/04/19
APPR:SHLENI 2011/04/19
REV 2
DESCRIPTION

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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: JAKEEMEW DATE: 2009/04/22
CHECKED BY: CCTEH DATE: 2009/05/27
APPROVED BY: SHLENI DATE: 2009/05/27

TITLE: DDR3 DIMM, 1.00 PITCH
240CKTS, LSP, STD LATCH
SMT, VERTICAL, LOWLLCR

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78507-001
SHEET NO.: 5 OF 6
SIZE: A3

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

PART NO.	VOLTAGE KEY POS.	DIM 'X'	PLATING OPTION	LATCH COLOR	TRAY TYPE	LUBRICATION
78507-0001	CENTER (1.5V)	3.94	0.76μM (30μINCH) MIN. GOLD ON CONTACT. 2.54μM (100μINCH) MIN. PURE TIN ON SOLDERTAIL. 1.27μM (50μINCH) MIN. NICKEL UNDERPLATE.	BLACK	B	YES
78507-0002					A	
78507-0003				NATURAL (OFF-WHITE)	B	
78507-0004					A	

AMD. JEDEC STD. NO.
EC NO: S2011-0743
DRWN:CCTEH 2011/02/25
CH'KD:CGTAN 2011/04/19
APPR:SHLENI 2011/04/19
DESCRIPTION
2
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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

		DATE
DRAWN BY	JAKEEMEW	2009/04/22
CHECKED BY	CCTEH	2009/05/27
APPROVED BY	SHLENI	2009/05/27

TITLE
DDR3 DIMM, 1.00 PITCH
240CKTS, LSP, STD LATCH
SMT, VERTICAL, LOWLLCR

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78507-001
SHEET NO.: 6 OF 6
SIZE: A3