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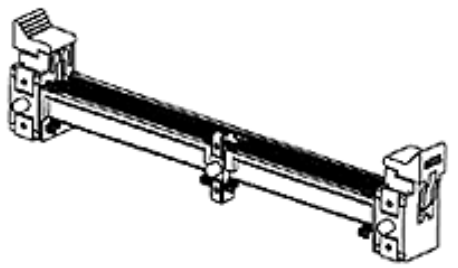
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0780011344

Status: Active

Description: 0.60mm (.024") Pitch miniDIMM DDR3 Socket, Surface Mount, Reverse Right Angle, with Off-White Latches, 1.5V Voltage Key, 244 Circuits, Type A Tray Packaging, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-78001-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Module Sockets
Series	78001
Comments	<LI>Latches in Off-White Color
Component Type	Socket
JEDEC Outline	MO-244
Product Name	MiniDIMM

Physical

Circuits (Loaded)	244
Color - Resin	Black, Natural (White)
Durability (mating cycles max)	25
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.024 In
Pitch - Mating Interface (mm)	0.60 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	30V
Voltage Key	1.5V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-78001-001
Sales Drawing	SD-78001-003

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

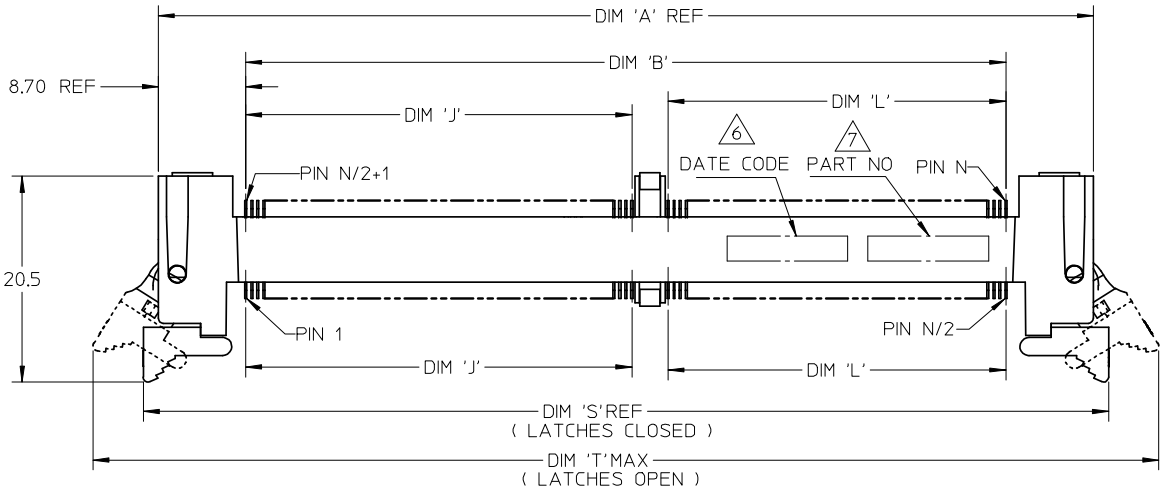
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
78001Series

Mates With
JEDEC MO-258 modules

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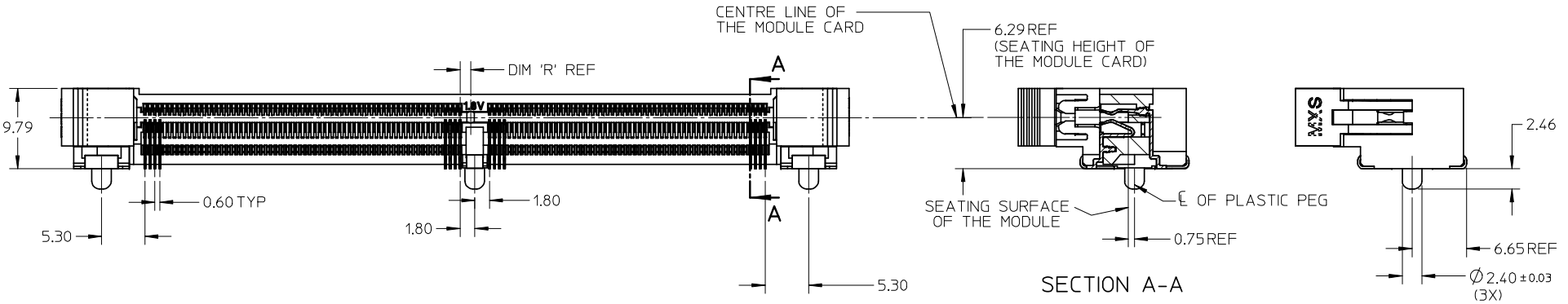


NOTES :

1. MATERIAL :
   HOUSING : HIGH TEMPERATURE LIQUID CRYSTAL POLYMER, UL94V-0
   COLOUR : BLACK
   CONTACTS : COPPER ALLOY
   LATCHES : HIGH TEMPERATURE NYLON, UL94V-0,
   COLOUR : NATURAL (OFF-WHITE)
2. FINISH :
   CONTACT AREA : 0.76 MICROMETER (30 MICROINCH) MIN GOLD OVER
   1.25 MICROMETER (50 MICROINCH) MIN NICKEL
   SOLDER LEADS : 2.54 MICROMETER (100 MICROINCH) MIN TIN OVER
   1.25MICROMETER (50 MICROINCH) MIN NICKEL
3. ACCEPTS 1.0 mm THICK MEMORY MODULE PER JEDEC MO-244
   FOR 244 CKTS AND MO-258 FOR 200 CKTS.
4. PRODUCT SPECIFICATION : PS-78001-001
5. PRODUCT SHALL BE PACKED IN TRAY. PLS REFER TO SHEET 4.

△6 . DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN :YYDDD

△7 . PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN.
78001-XXXX (REFER TO TABLE)

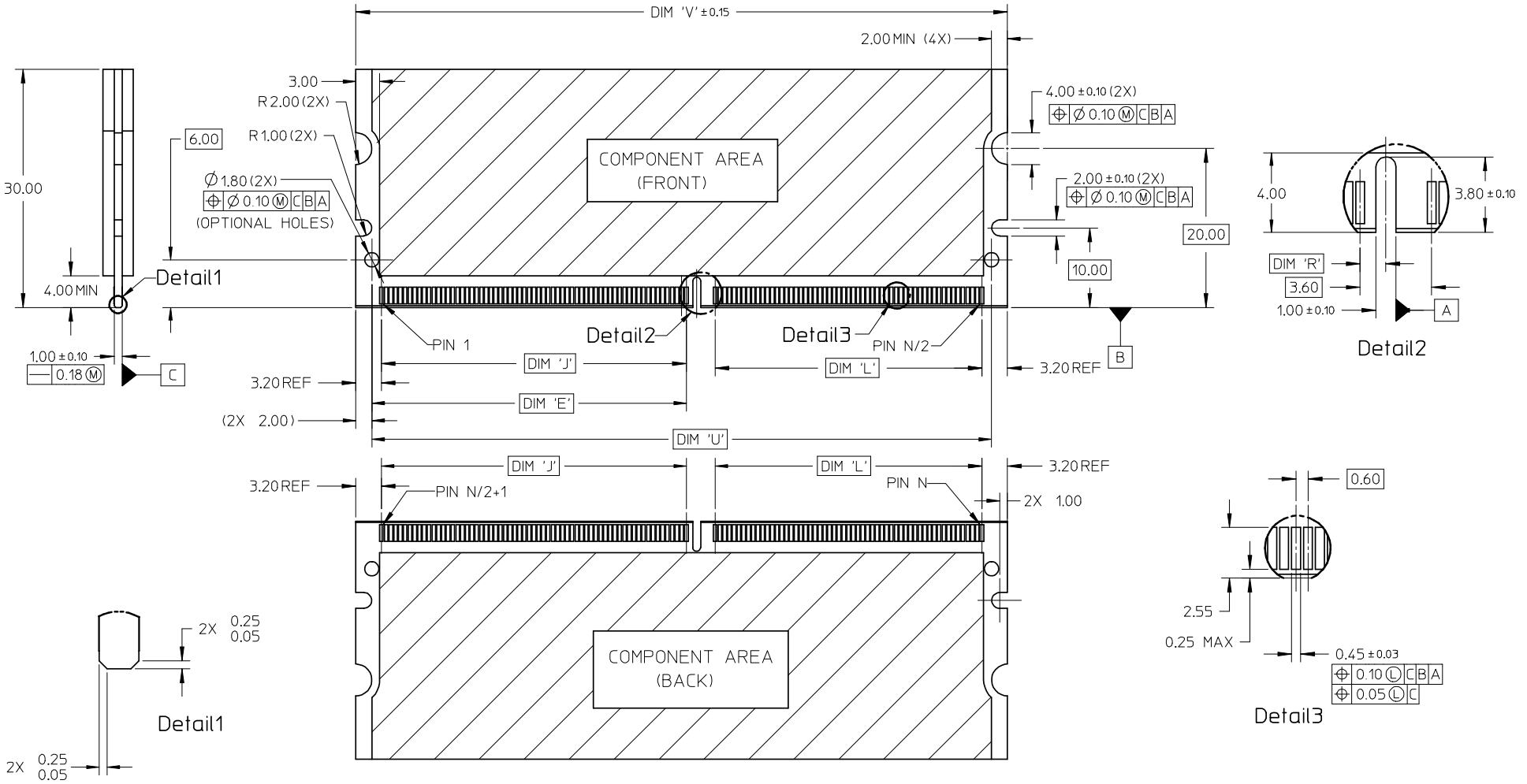


SECTION A-A

ADD DDR3 OPTION	EC NO: S2008-1057	2008/06/20	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
	DRWN:CMTEO	2008/06/20		▼=0	mm / INCH
	CHKD:CGTAN	2008/06/23		Ⓒ=0	4 PLACES ± --- / ± ---
	APPR:SHLENI				3 PLACES ± --- / ± ---
B1			REV		2 PLACES ± 0.13 / ± ---
					1 PLACE ± 0.25 / ± ---
					ANGULAR ± 1 °
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: SHLENI — DATE: 2005/03/14	TITLE: MINI DIMM, 0.60MM PITCH 200/244 CKTS REVERSE R/A		
CHECKED BY: MLONG — DATE: 2005/03/31			
APPROVED BY: GGLEE — DATE: 2005/03/31	MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-78001-003	SHEET NO.: 1 OF 4	

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



ADD DDR3 OPTION	EC NO: S2008-1057	2008/06/20	DESCRIPTION		
	DRWN: CMTEO	2008/06/20			
	CH'KD: CGTAN	2008/06/23			
	APPR: SHLENI		REV		
B1					

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	SHLENI	DATE 2005/03/14
CHECKED BY	MLONG	DATE 2005/03/31
APPROVED BY	GGLEE	DATE 2005/03/31

TITLE: MINI DIMM, 0.60MM PITCH 200/244 CKTS REVERSE R/A

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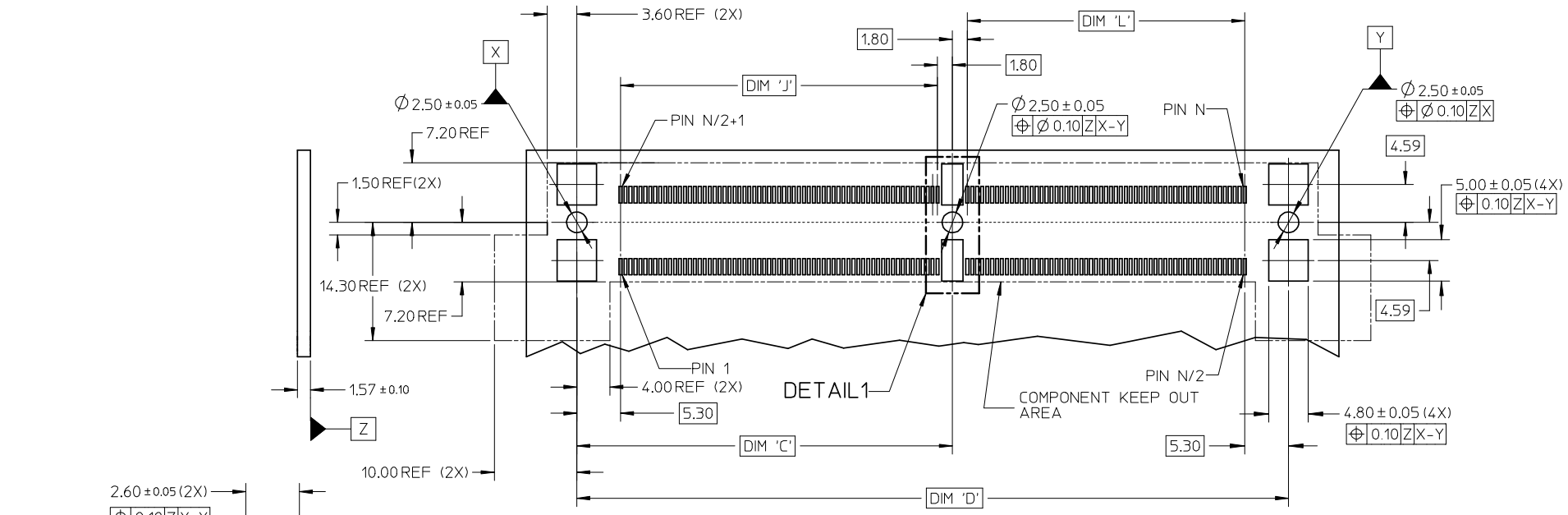
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DOCUMENT NO.: SD-78001-003

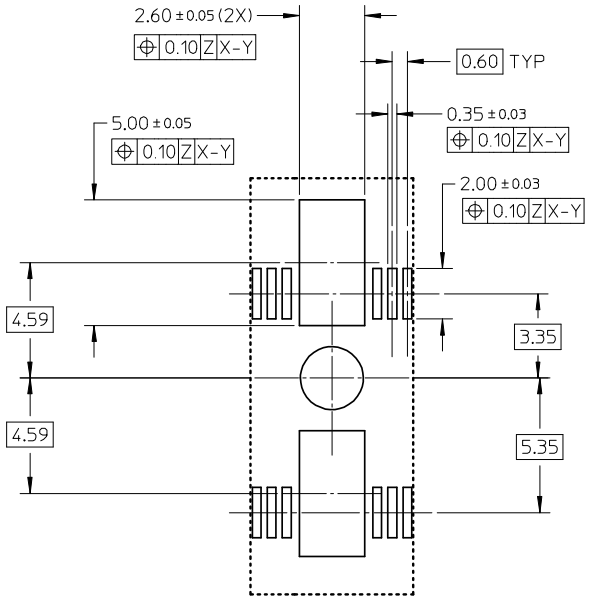
SHEET NO.: 2 OF 4

SIZE: A3

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RECOMMENDED PCB LAYOUT



DETAIL1

ADD DDR3 OPTION
EC NO: S2008-1057 2008/06/20
DRWN:CMTEO 2008/06/20
CH'KD:CGTAN 2008/06/23
APPR:SHLENI
DESCRIPTION
REV
B1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: SHLENI DATE: 2005/03/14
CHECKED BY: MLONG DATE: 2005/03/31
APPROVED BY: GGLEE DATE: 2005/03/31

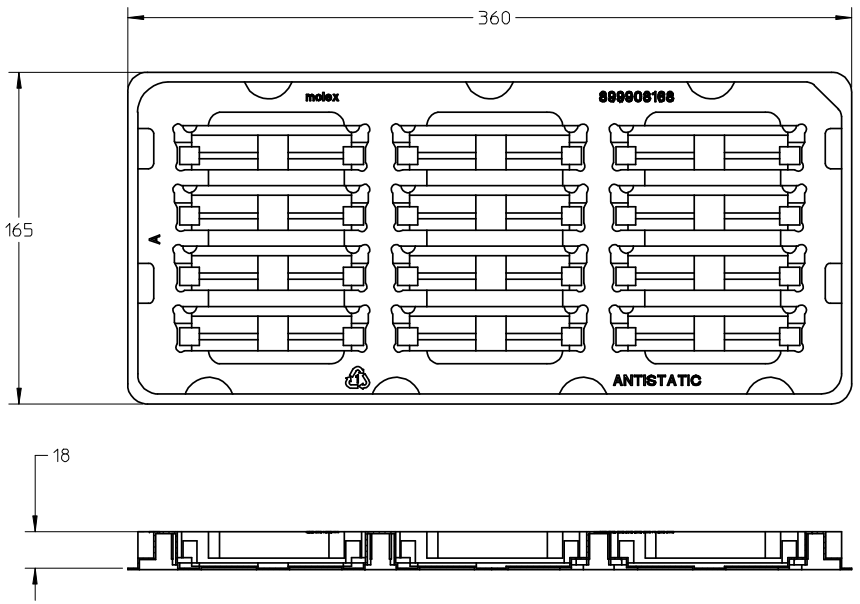
TITLE: MINI DIMM, 0.60MM PITCH 200/244 CKTS REVERSE R/A

MOLEX INCORPORATED

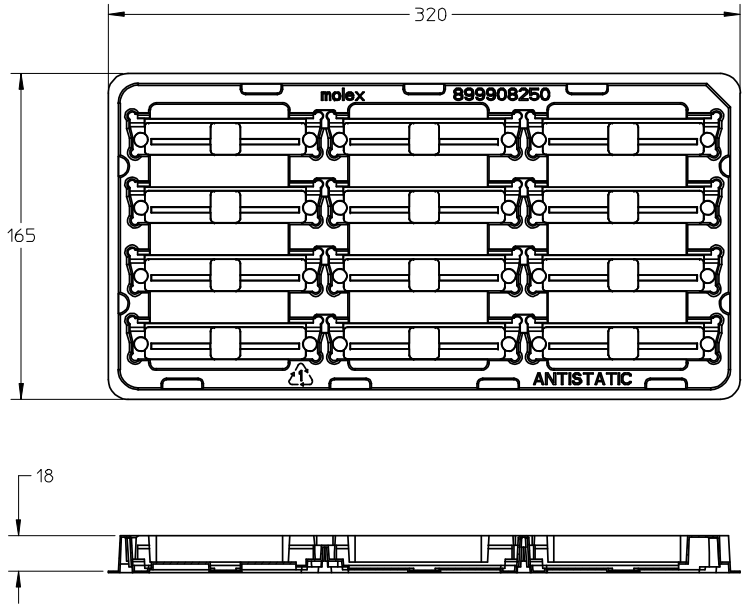
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78001-003
SHEET NO.: 3 OF 4
SIZE: A3

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ASSEMBLY P/N	CKT SIZE "N"	MODULE CARD	VOLTAGE KEY	DIM 'R'	DIM 'E'	DIM 'J'	DIM 'L'	DIM 'A'	DIM 'S'	DIM 'T'	DIM 'U'	DIM 'V'	DIM 'C'	DIM 'D'	DIM 'B'	PACKAGING TYPE
78001-1200	200	DDR2	1.8 V	1.30	24.60	23.40	35.40	79.8	82.8	93.0	64.80	68.80	30.50	73.00	62.40	A
78001-2200		DDR	2.5 V	2.30												
78001-1244	244	DDR2	1.8 V	1.30	39.60	38.40	33.60	93.0	96.0	106.2	78.00	82.00	45.50	86.20	75.60	
78001-1344		DDR3	1.5 V	2.30												
78001-3244		DDR2	1.8 V	1.30												B
78001-3344		DDR3	1.5 V	2.30												



VIEW OF TYPE A PACKAGING TRAY



VIEW OF TYPE B PACKAGING TRAY

NOTES:

1. QTY OF CAVITY: 3 X 4 = 12 PCS

ADD DDR3 OPTION 2008/06/20
EC NO: S2008-1057 2008/06/20
DRWN:CMTEO CHKD:CGTAN 2008/06/23
APPR:SHLENI
DESCRIPTION
B1
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: SHLENI DATE: 2005/03/14
CHECKED BY: MLONG DATE: 2005/03/31
APPROVED BY: GGLEE DATE: 2005/03/31

TITLE: MINI DIMM, 0.60MM PITCH 200/244 CKTS REVERSE R/A

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78001-003
SHEET NO.: 4 OF 4
SIZE: A3

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