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Part Number:

0879180001

Status:

Active

Description:

0.60mm (.024") Pitch miniDIMM DDR2 Socket, Surface Mount, Right Angle, 1.8V Key, 244 Circuits, Lead-free

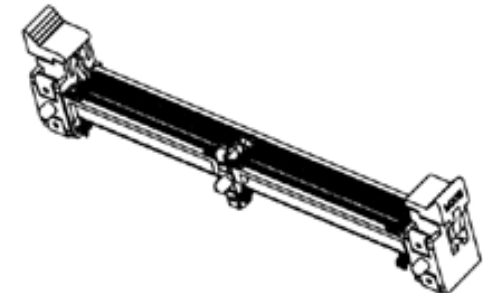


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-87918-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Memory Module Sockets
Series	87918
Comments	Latches in Off-White Color
Component Type	Socket
JEDEC Outline	MO-244
Product Name	MiniDIMM

Physical

Circuits (Loaded)	244
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	90° Angle (Side Entry)
Flammability	94V-0
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
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.024 In
Pitch - Mating Interface (mm)	0.60 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
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	1.8V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

EU RoHS

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

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
87918Series

Mates With
JEDEC MO-244 Modules

Material Info

Reference - Drawing Numbers

Product Specification	PS-87918-001
Sales Drawing	SD-87918-001

This document was generated on 04/09/2010

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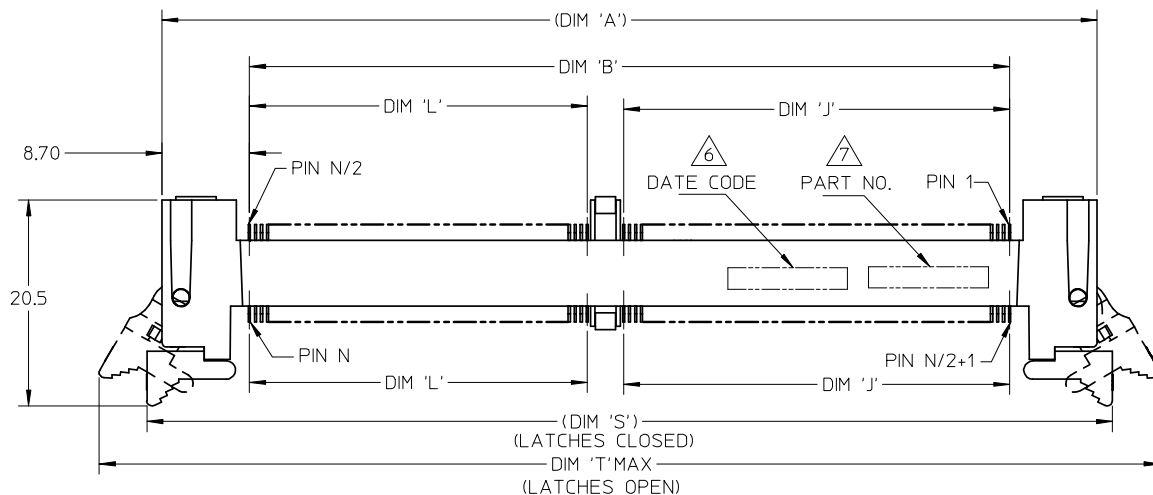
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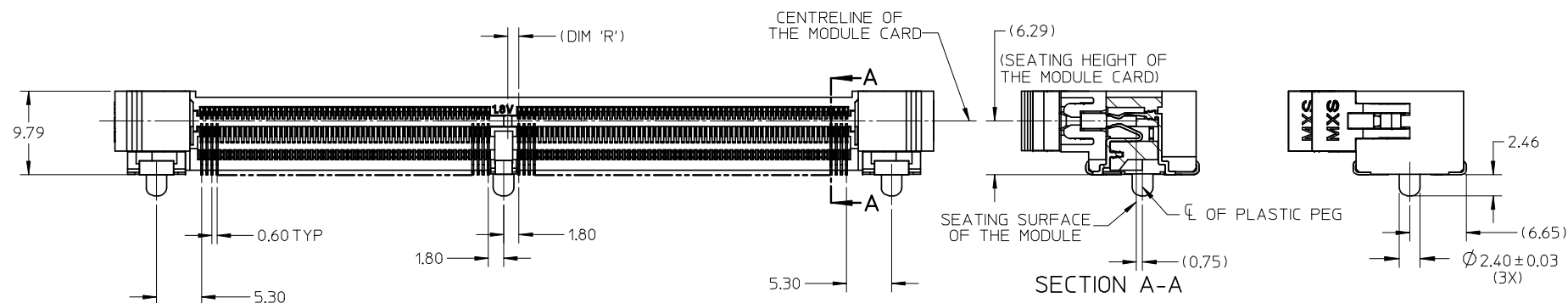
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NOTES :

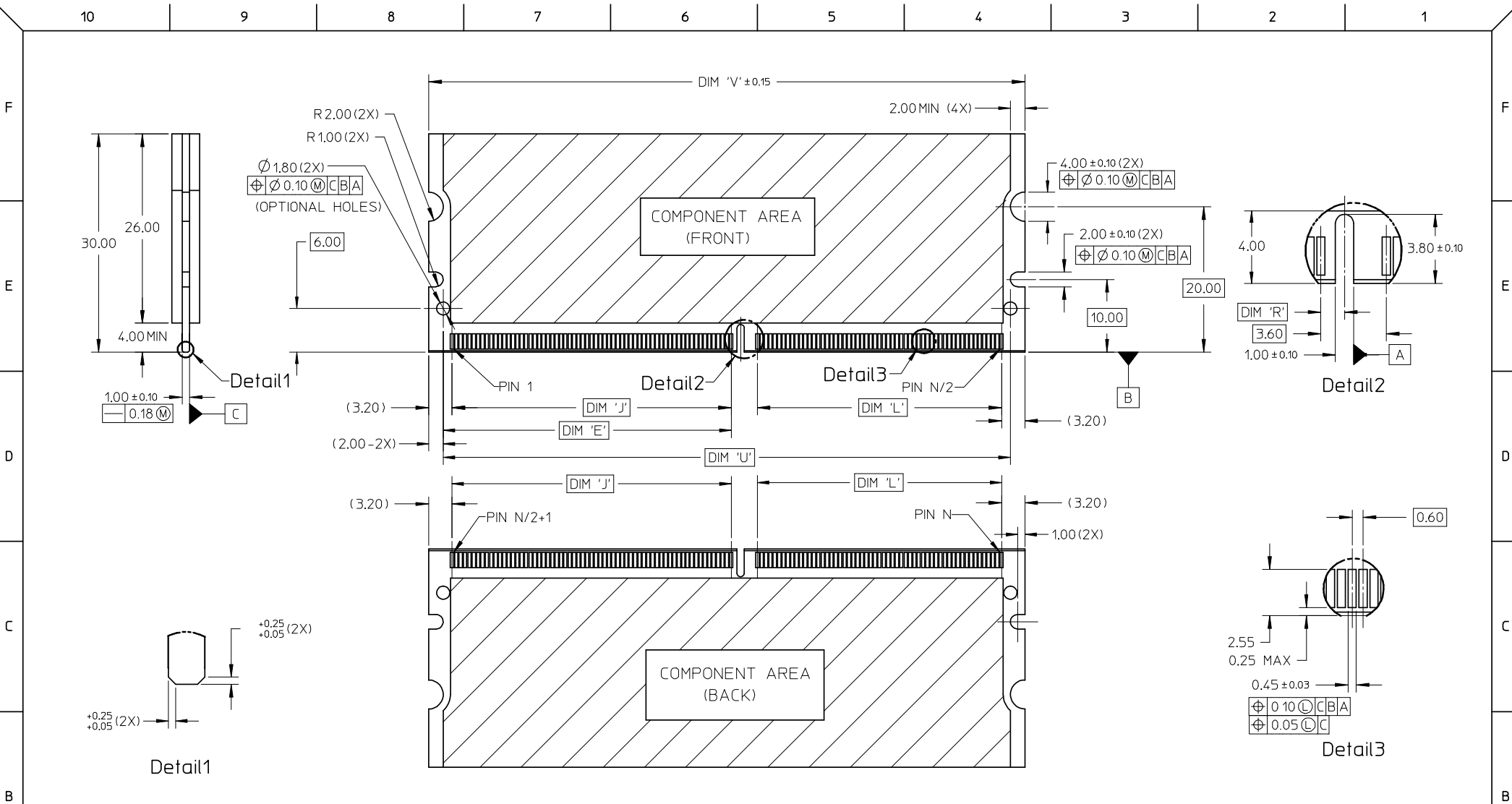
- 1) MATERIAL :
HOUSING : HIGH TEMPERATURE LIQUID CRYSTAL POLYMER, UL94V-0
COLOUR : BLACK
CONTACTS : COPPER ALLOY
LATCHES : HIGH TEMPERATURE NYLON, UL94V-0
COLOUR : NATURAL (OFF-WHITE)
- 2) FINISH :
CONTACT AREA : 0.76 MICROMETER (30 MICROINCH) MIN GOLD OVER
1.25 MICROMETER (50 MICROINCH) MIN NICKEL
SOLDER LEADS : 2.54 MICROMETER (100 MICROINCH) MIN TIN OVER
1.25 MICROMETER (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-87918-001
- 5) PRODUCT SHALL BE PACKED IN TRAY.

- 6) DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN :YYDD
- 7) PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN.
87918-XXXX(REFER TO TABLE)

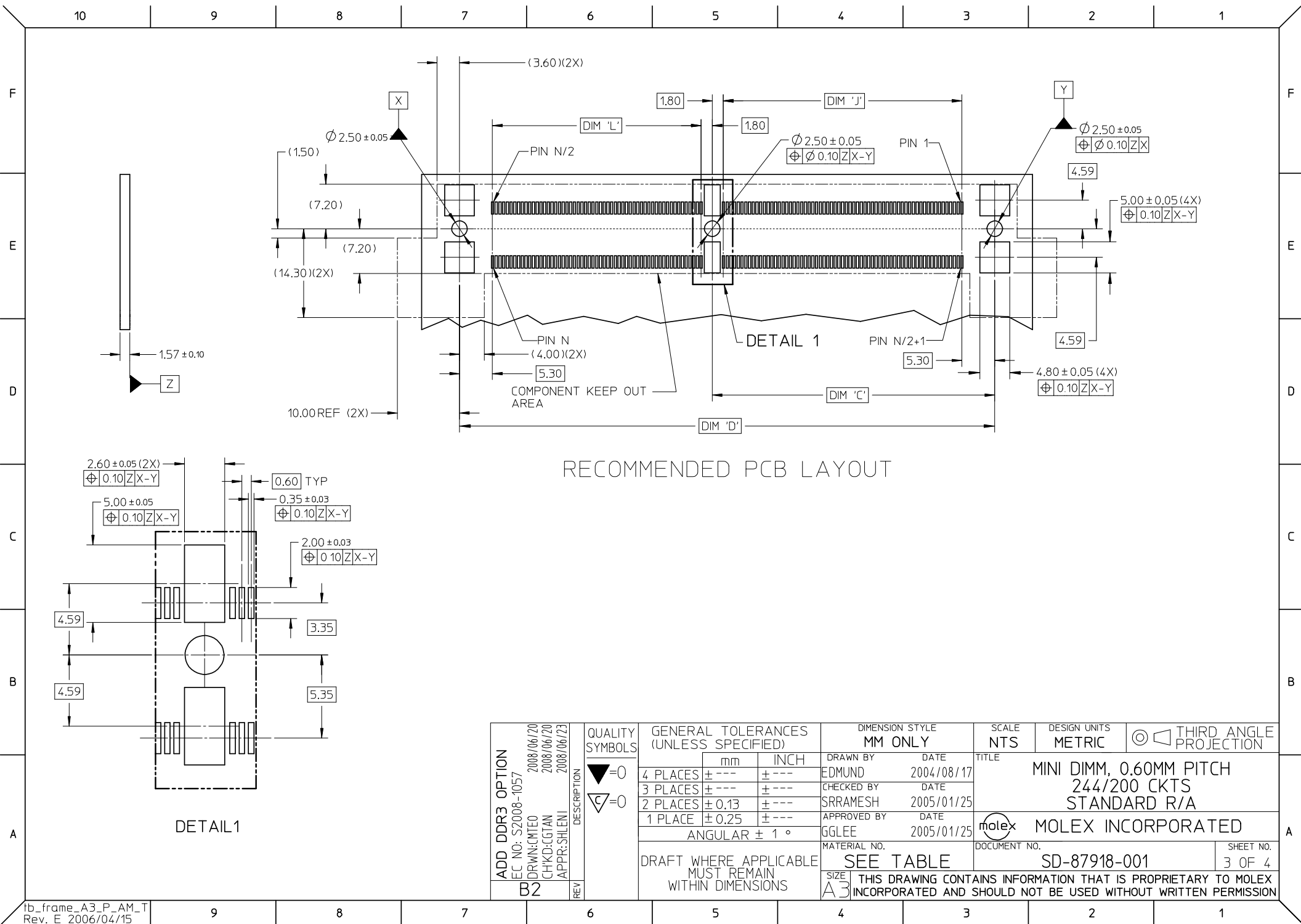


ADD DDR3 OPTION EC NO: S2008-1057 DRWN:CMTEO CHKD:CGTAN APPR:SHLENI B2	DESCRIPTION 2008/06/20 2008/06/20 2008/06/23	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY EDMUND	DATE 2004/08/17	TITLE MINI DIMM, 0.60MM PITCH 244/200 CKTS STANDARD R/A	
			4 PLACES	± ---	± ---	CHECKED BY SRRAMESH	DATE 2005/01/25		
			3 PLACES	± ---	± ---				
			2 PLACES	± 0.13	± ---				
			1 PLACE	± 0.25	± ---	APPROVED BY GGLLEE	DATE 2005/01/25	MOLEX INCORPORATED	
			ANGULAR ± 1 °		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87918-001	SHEET NO. 1 OF 4		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9 8 7 6 5 4 3 2 1



ADD DDR3 OPTION EC NO: S2008-1057 DRWN:CMTE0 2008/06/20 CHK'D:CGTAN 2008/06/20 APPR:SHLENI 2008/06/23	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY EDMUND	DATE 2004/08/17	TITLE MINI DIMM, 0.60MM PITCH 244/200 CKTS STANDARD R/A						
			4 PLACES	± ---	± ---	CHECKED BY SRRAMESH	DATE 2005/01/25							
			3 PLACES	± ---	± ---	APPROVED BY GGLEE	DATE 2005/01/25							
			2 PLACES	± 0.13	± ---	ANGULAR ± 1 °		MOLEX MOLEX INCORPORATED		SHEET NO. 2 OF 4				
			1 PLACE	± 0.25	± ---									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87918-001						
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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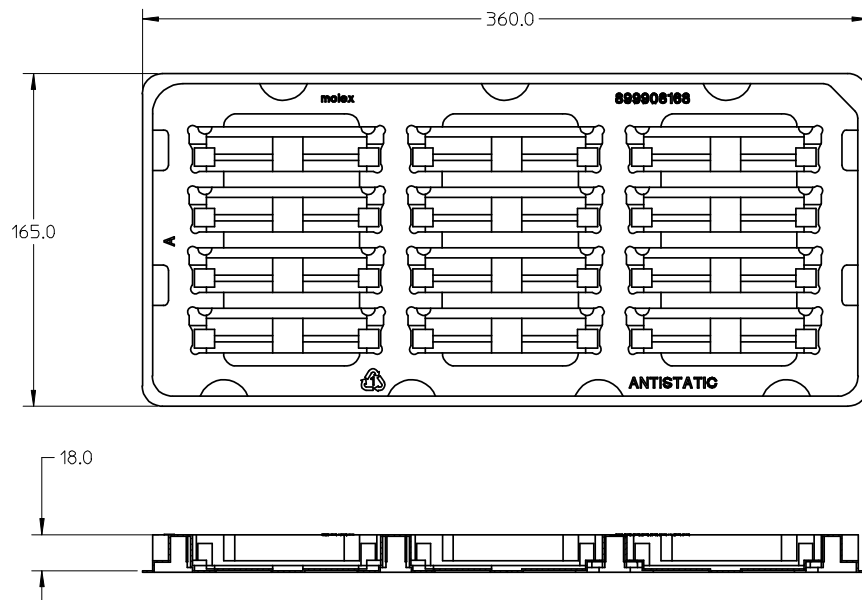
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CKT. SIZE 'N'	PART NUMBER	MODULE CARD	VOLTAGE KEY	DIM 'R'	DIM 'E'	DIM 'J'	DIM 'L'	DIM 'A'	DIM 'S'	DIM 'T'	DIM 'U'	DIM 'V'	DIM 'C'	DIM 'D'	DIM 'B'
244	87918-0001	DDR2	1.8 V	1.30	39.60	38.40	33.60	93.0	96.0	106.2	78.00	82.00	45.50	86.20	75.60
	87918-0301	DDR3	1.5 V	2.30											
200	87918-0201	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
	87918-0202	DDR	2.5 V	2.30											



VIEW OF PACKAGING TRAY

NOTES:

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

ADD DDR3 OPTION EC NO: S2008-1057 DRWN:CMTEO 2008/06/20 CHKD:GTAN 2008/06/20 APPR:SHENI 2008/06/23 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
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			2 PLACES	± 0.13	± ---	APPROVED BY	DATE						
			1 PLACE	± 0.25	± ---	GGLEE	2005/01/25	 MOLEX INCORPORATED					
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87918-001			4 OF 4			
			B2			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							