

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877830202

Status:

Active

Description:

0.60mm (.024") Pitch miniDIMM DDR Socket, Surface Mount, 22.5° Angle, 0.76µm (30µ") Gold (Au) Plating, Off-White Latches, with Pick-and-Place Cap, 200 Circuits, 2.5V Voltage Key, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87783-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Comments

Component Type

JEDEC Outline

Product Name

Memory Module Sockets

87783

Latches in Off-White Color

Socket

MO-258

MiniDIMM

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Temperature Range - Operating

Termination Interface: Style

200

Black

25

22.5° Angle

94V-0

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

Yes

Yes

Tray

0.024 In

0.60 mm

30

0.76

100

2.54

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

Voltage Key

1A

30V

2.5V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

Max. Cycles at Max. Process Temperature

Process Temperature max. C

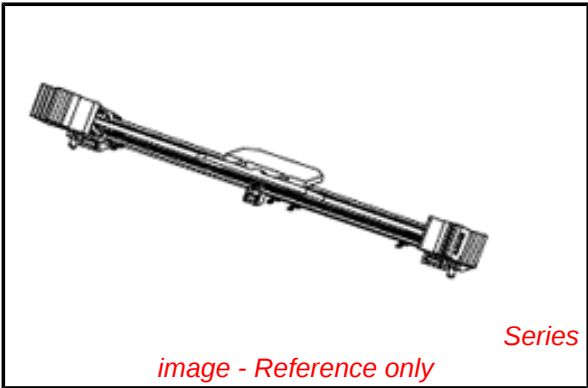
5

Reflow Capable (SMT only)

2

260

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

87783Series

Mates With

JEDEC MO-258 modules

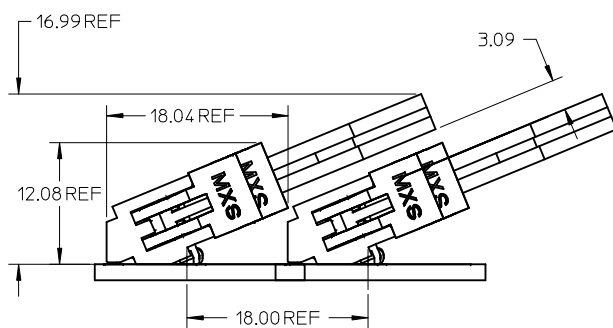
Reference - Drawing Numbers

Product Specification
Sales Drawing

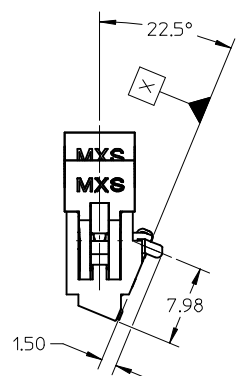
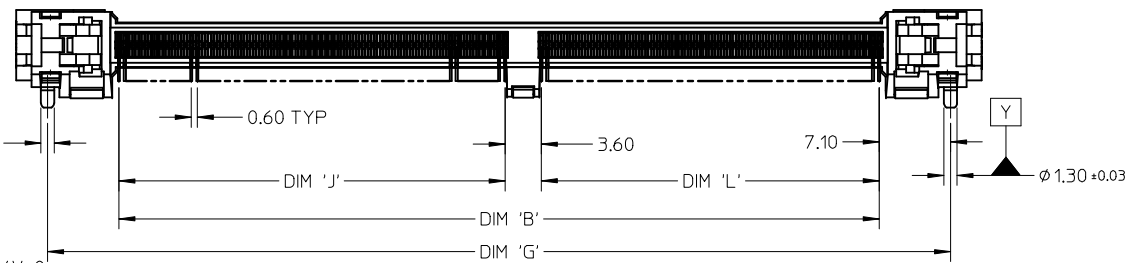
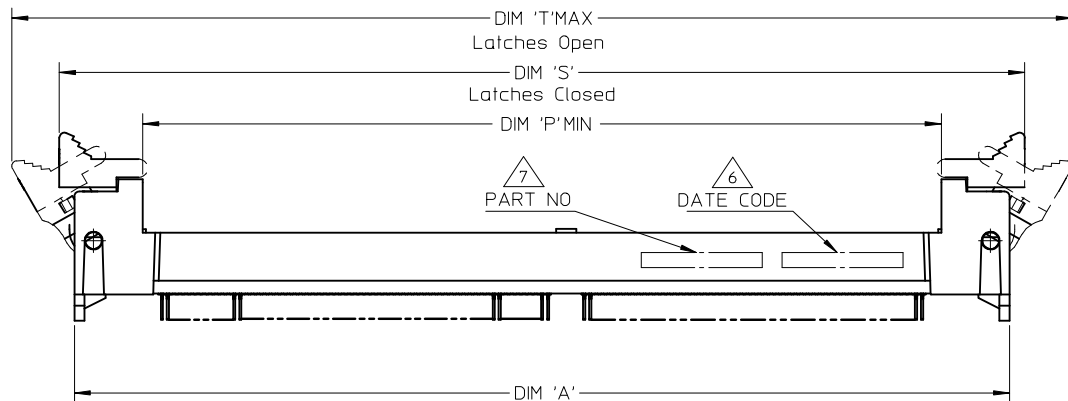
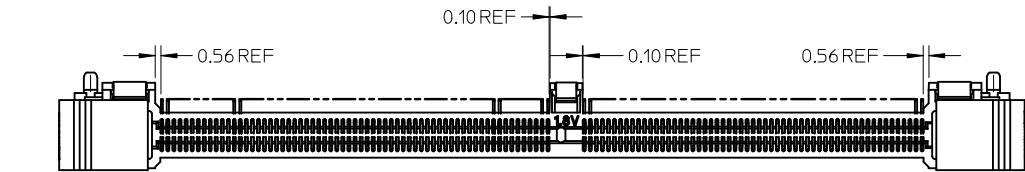
PS-87783-001
SD-87783-001

This document was generated on 04/13/2010

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MINIMUM HEIGHT OF SOCKET WITH
MODULE CARD HEIGHT OF 30.00MM
AND THICKNESS OF 4MM.



- 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)
COVER : HIGH TEMPERATURE NYLON, UL 94V-0
COLOUR : BLACK

2. FINISH
CONTACTS : 0.76 MICROMETER (30 MICROINCH) MIN GOLD OVER
1.25 MICROMETER (50 MICROINCH) MIN NICKEL
SMT TAIL : 2.54 MICROMETER (100 MICROINCH) MIN TIN OVER
1.25 MICROMETER (50 MICROINCH) MIN NICKEL
3. ACCEPTS 1.0mm THICK MEMORY MODULE PER JEDEC MO-244 FOR 244 CKTS AND MO-258 FOR 200 CKTS.
4. PRODUCT SPECIFICATION : PS-87783-001.
5. PRODUCT SHALL BE PACKED IN TRAY

△. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN : YY DDD.

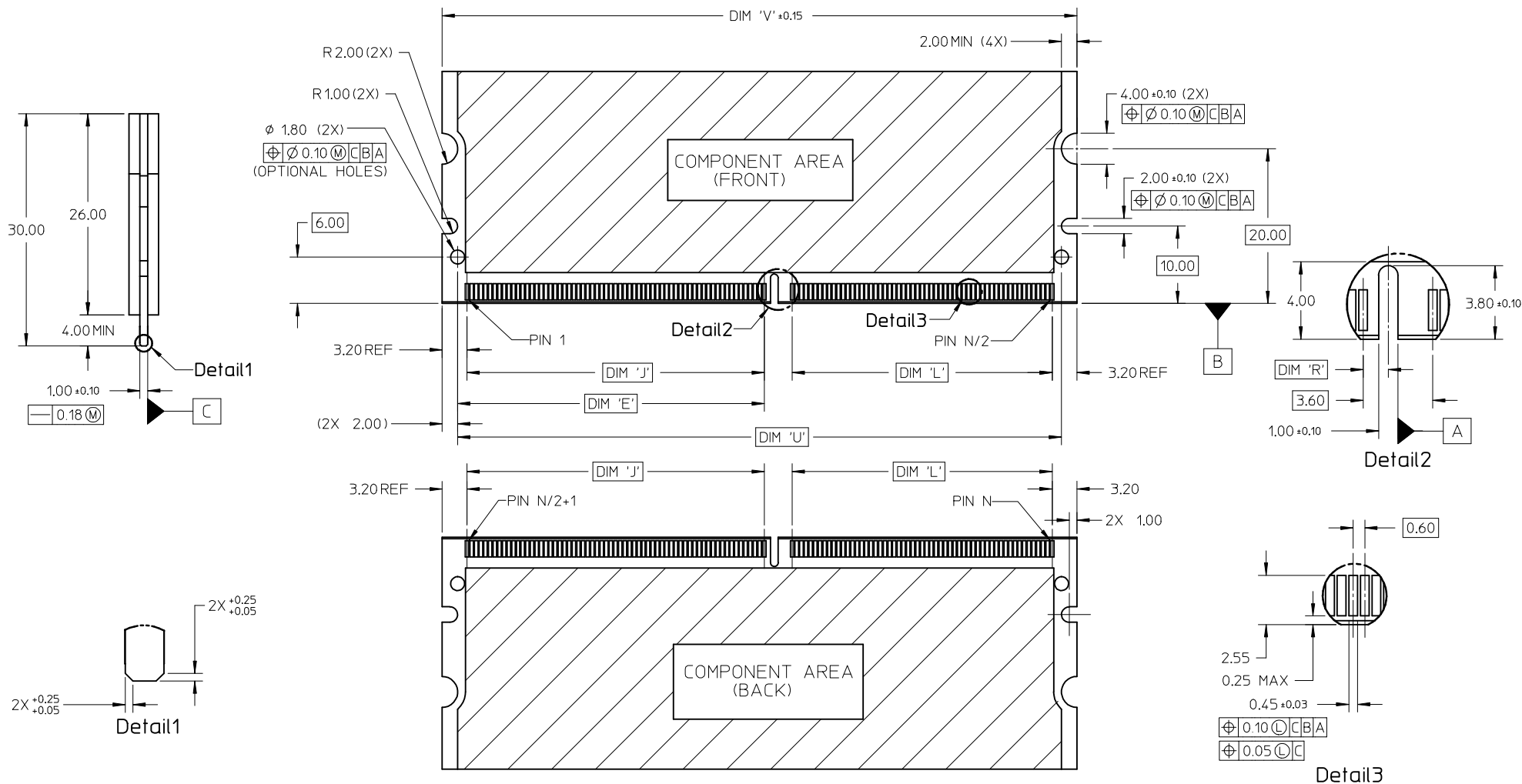
△. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN : 87783-XXXX (REFER TO TABLE).

NEW COVER EC NO: S2010-0004 TDRWN: ARUMUGHAM CHKD: CGTAN APPR: SHLENI	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY MLONG	DATE 2003/08/04	ANGLE MINI DIMM 0.6MM PITCH, 244/200 CKT 22.5 DEG				
			4 PLACES	± ---	± ---	CHECKED BY SRRAMESH	DATE 2004/11/19					
			3 PLACES	± ---	± ---							
			2 PLACES	± 0.13	± ---	APPROVED BY GGLEE	DATE 2004/11/19	MOLEX INCORPORATED				
			1 PLACE	± 0.25	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
			ANGULAR ± 1 °		SEE TABLE		SD-87783-001		1 OF 5			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

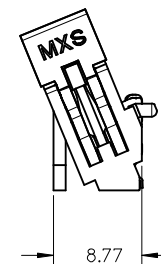
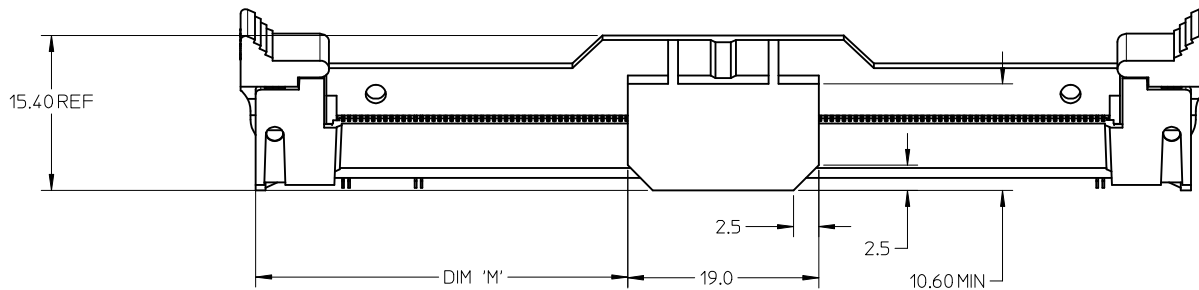
ANGLE MINI DIMM
0.6MM PITCH, 244/200 CKT
22.5 DEG

SD-87783-001

SHEET NO.
1 OF 5



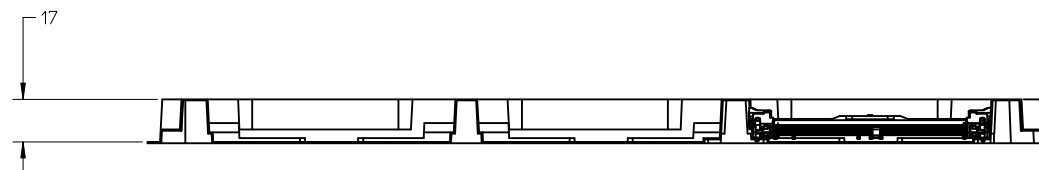
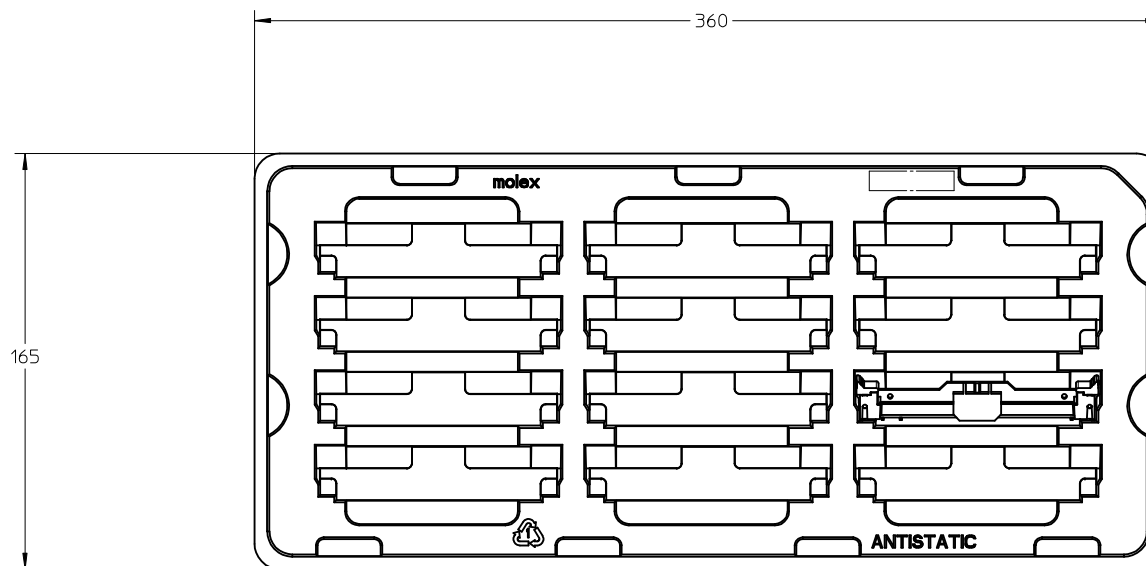
NEW COVER EC NO: S2010-0004 DRWN: TARUMUGHAM CH'KD: CGTAN APPR: SILENI REV DESCRIPTION 2009/08/12 2009/08/12 2009/08/17	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																							
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SHOWN WITH PICK & PLACE COVER

CKT SIZE 'N'	PART NUMBER	MODULE CARD	VOLTAGE KEY	DIM 'R'	DIM 'E'	DIM 'J'	DIM 'L'	DIM 'M'	DIM 'P'	DIM 'G'	DIM 'S'	DIM 'T'	DIM 'U'	DIM 'V'	DIM 'W'	DIM 'X'	DIM 'Y'	DIM 'Z'	DIM 'A'	DIM 'B'
244	87783-0001	DDR2	1.8 V	1.30	39.60	38.40	33.60	37.0	79.0	89.80	96.0	106.20	78.00	82.00	78.0	82.00	96.20	42.50	93.0	75.60
	87783-0301	DDR3	1.5 V	2.30																
200	87783-0201	DDR2	1.8 V	1.30	24.60	23.40	35.40	30.40	65.8	76.60	82.8	93.00	64.80	68.80	64.8	68.80	83.00	44.30	79.8	62.40
	87783-0202	DDR	2.5 V	2.30																

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VIEW OF PACKAGING TRAY

NOTES:

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

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