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Part Number: 0877822003

Status: Active

Description: 0.60mm (.024") Pitch miniDIMM DDR2, Socket, Surface Mount, Vertical, 1.8V Voltage Key, 244 Circuits, 0.76µm (30µ") Gold (Au) Plating, Off- White Latches, with Pick-and-Place Cap, Type B Tray, Lead-free

Documents:

3D Model	Product Specification PS-87782-027 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Memory Module Sockets
Series	87782
Comments	Latches in Off-White Color With Cap
Component Type	Socket
JEDEC Outline	MO-244
Product Name	MiniDIMM

Physical

Circuits (Loaded)	244
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical (Top 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
Packaging Type	Tray
Pitch - Mating Interface (in)	0.024 In
Pitch - Mating Interface (mm)	0.60 mm
Pitch - Term. Interface (in)	0.024 In
Pitch - Term. 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 (RMS)
Voltage Key	1.8V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

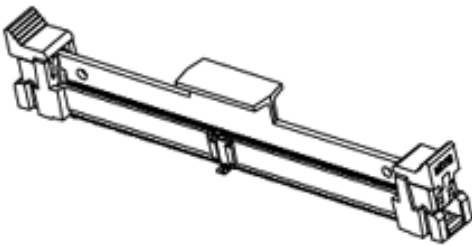


image - Reference only

Series

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
87782Series

Mates With
JEDEC MO-244 Modules

Material Info

Reference - Drawing Numbers

Product Specification	PS-87782-027
Sales Drawing	SD-87782-001

This document was generated on 04/09/2010

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NOTES :

1. MATERIAL :

HOUSING : LIQUID CRYSTAL POLYMER, GLASS FILLED,
UL 94V-0, COLOUR : BLACK
CONTACTS : COPPER ALLOY
LATCHES : HIGH TEMPERATURE NYLON, UL 94V-0
COLOUR : NATURAL (OFF-WHITE)

2. FINISH

CONTACT AREA : 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.

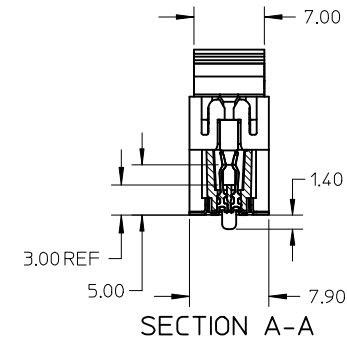
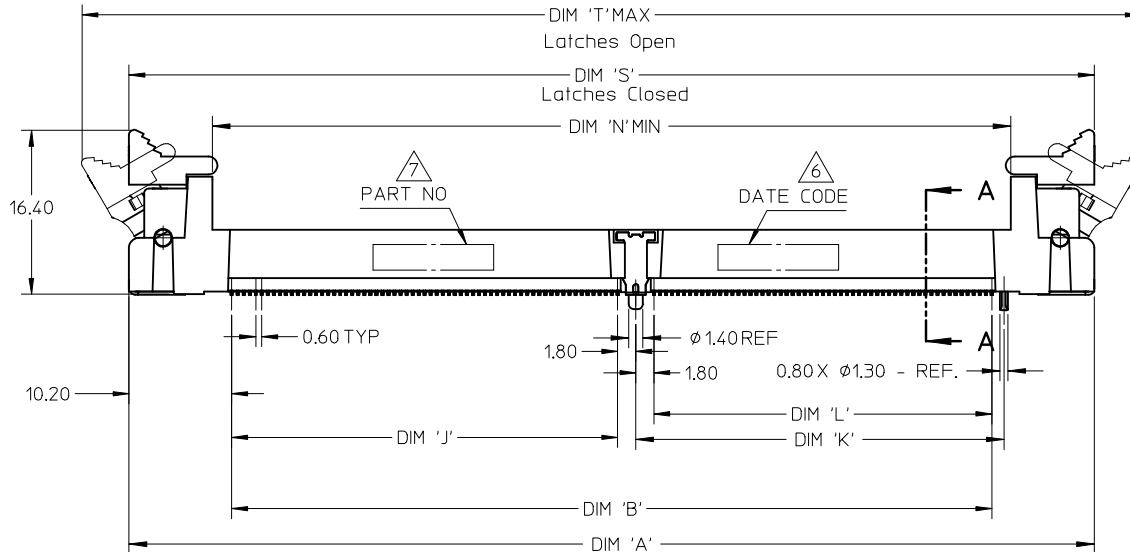
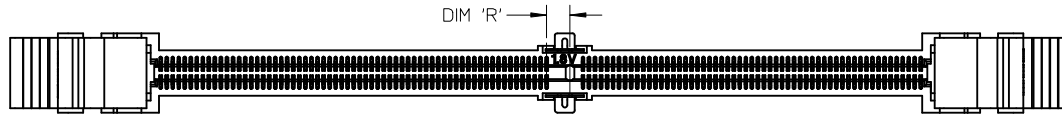
3. ACCEPTS 1.0 mm THICK MEMORY MODULE PER JEDEC MO-244
FOR 244 CKTS AND MO-258 FOR 200 CKTS.

4. PRODUCT SPECIFICATION : PS-87782-027

5. PRODUCT SHALL BE PACKED IN TRAY. PLS REFER TO SHEET 5

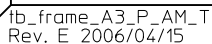
6. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN : YYDD

7. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN.
87782-XXXX (REFER TO TABLE)



NEW COVER EC NO: S2010-0004 TDRWN:TARUMUGHAM CHKD: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			
				mm	INCH	DRAWN BY MLONG	DATE 2003/01/07	TITLE MINI DIMM, 0.60MM PITCH 200/244 CKTS, VERTICAL				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	PTL IM	2003/07/16	MOLEX INCORPORATED				
			2 PLACES	± 0.13	± ---	APPROVED BY	DATE					
			1 PLACE	± 0.25	± ---	SKTOH	2003/07/17	DOCUMENT NO. SD-87782-001				
			ANGULAR ± 1 °			MATERIAL NO.						
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						

9 8 7 6 5 4 3 2 1



10 9 8 7 6 5 4 3 2 1

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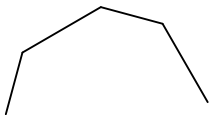
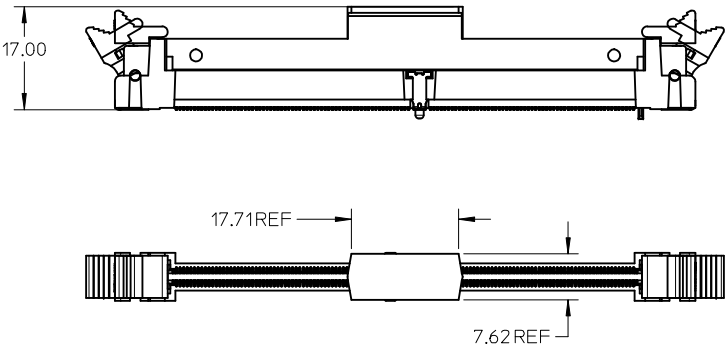
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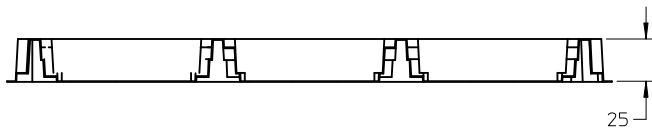
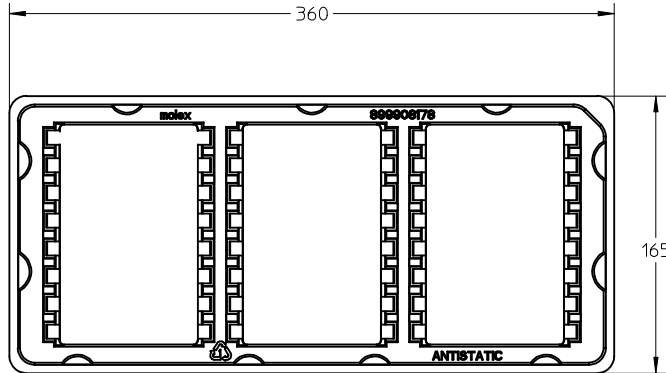
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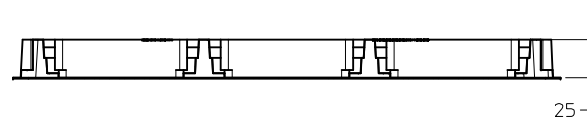
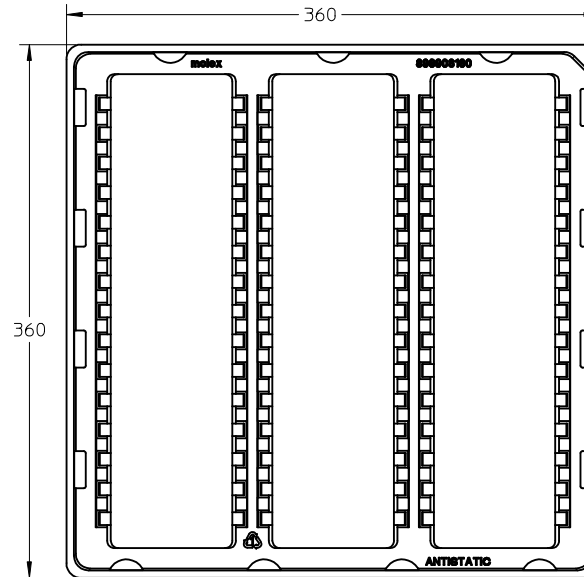
FOR OPTIONS WITH COVER



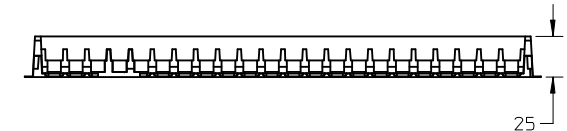
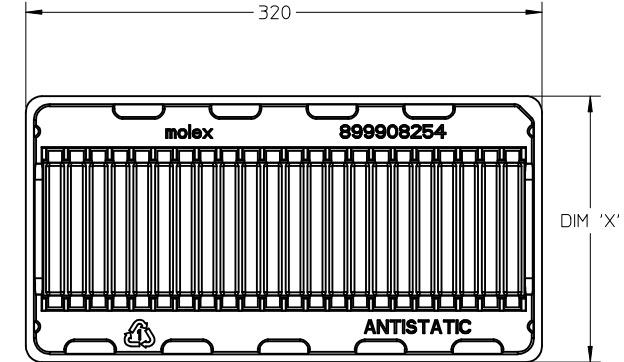
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TRAY TYPE A
QTY OF CAVITY: 3 X 8 = 24 PCS
COLOUR: TRANSPARENT



TRAY TYPE B
QTY OF CAVITY: 3 X 15 = 45 PCS
COLOUR: TRANSPARENT



TRAY TYPE AND COLOUR - SEE TABLE
QTY OF CAVITY: 1 X 22 = 22 PCS
COLOUR - SEE TABLE

TRAY TYPE	DIM 'X'	TRAY COLOUR
C	165	TRANSPARENT
D	160	WHITE

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