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Part Number: [0877822002](#)
Status: **Active**
Description: 0.60mm (.024") Pitch miniDIMM Socket, Surface Mount, Vertical, 2.5V Voltage Key, 244 Circuits, 0.76µm (30µ") Gold (Au) Plating, Off-White Latches, without Pick-and-Place Cap, Lead-free

Documents:

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

General

Product Family	Memory Module Sockets
Series	87782
Comments	Latches in Off-White Color
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)
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	2.5V

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

Material Info

Reference - Drawing Numbers

Product Specification	PS-87782-027
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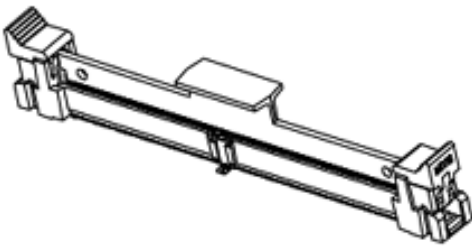


image - Reference only

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

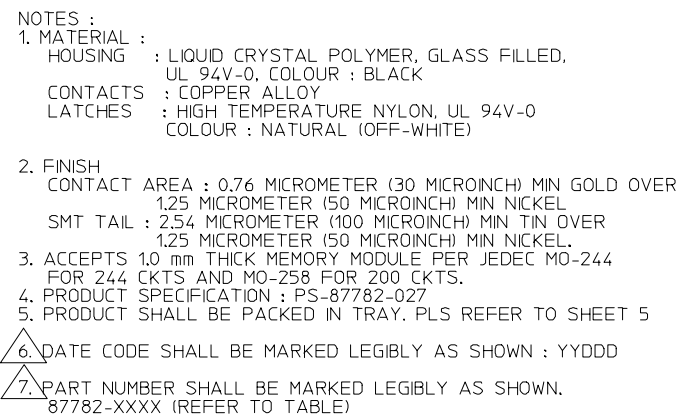
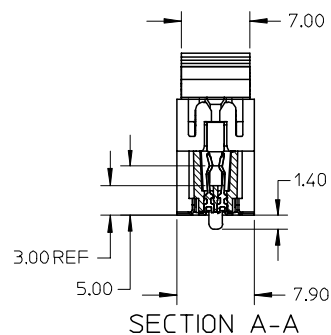
[87782Series](#)

Mates With

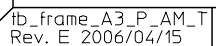
JEDEC MO-244 Modules

This document was generated on 04/09/2010

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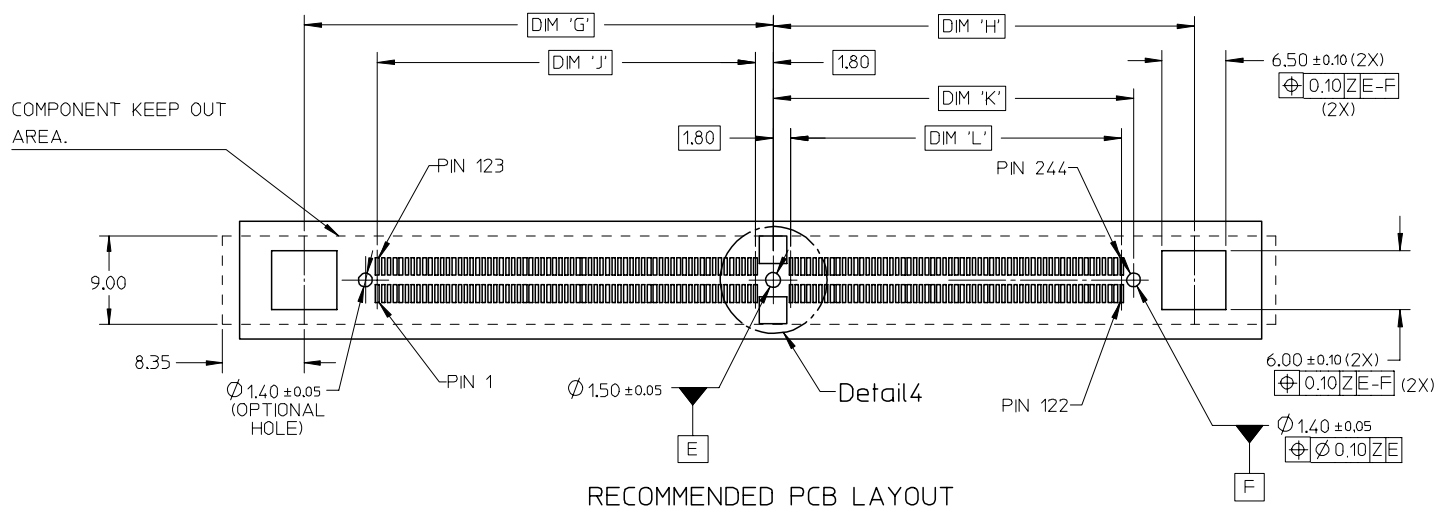


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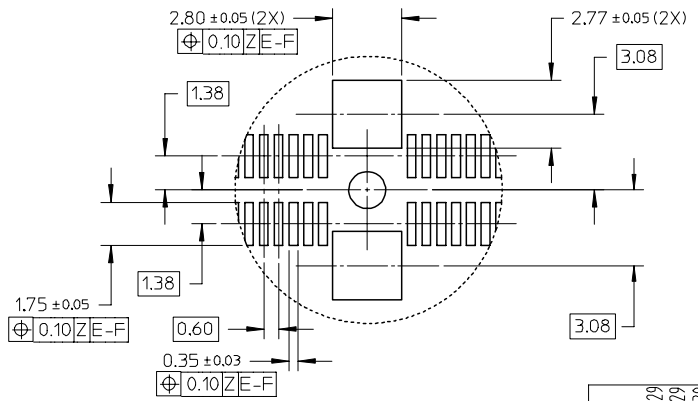


SIZE
A

COMPONENT KEEP OUT AREA.



RECOMMENDED PCB LAYOUT

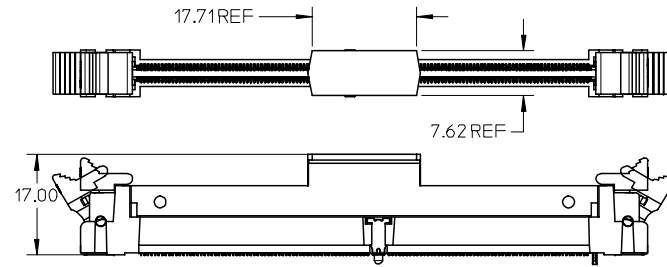


Detail4

REVISE DESIGN EC NO: S2008-0403 DRWN: TYANG01 CHKD: CGTAN APPR: SHLENI	DESCRIPTION 2007/11/29 2007/11/29 2007/11/30	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 2003/01/07	TITLE MINI DIMM, 0.60MM PITCH 200/244 CKTS, VERTICAL			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	PTL IM	2003/07/16				
			2 PLACES	± 0.13	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
			1 PLACE	± 0.25	± ---	SKTOH	2003/07/17				
			ANGULAR ± 1 °		MATERIAL NO.	DOCUMENT NO.	SD-87782-001		SHEET NO. 3 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							

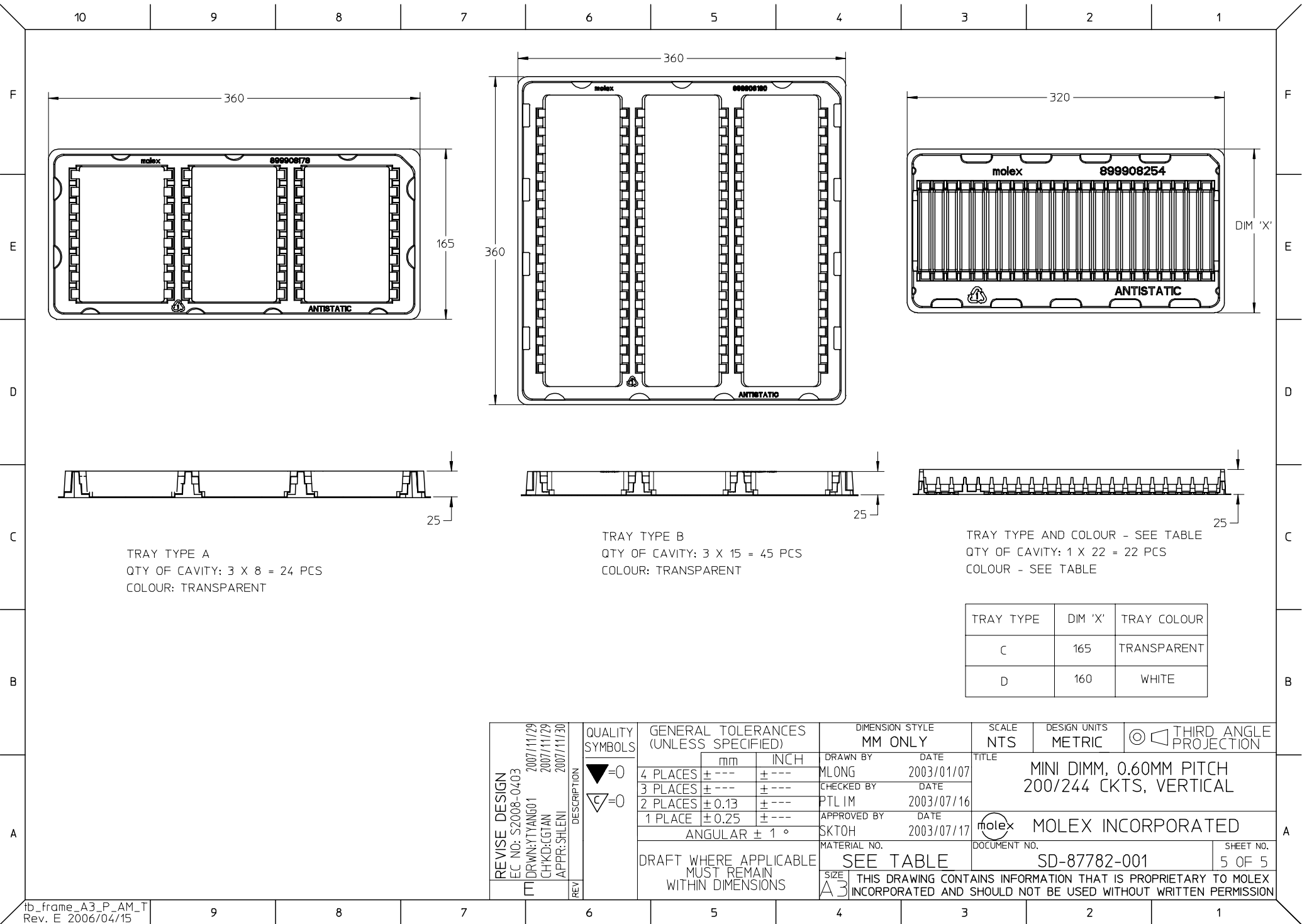
10 9 8 7 6 5 4 3 2 1

FOR OPTIONS WITH COVER



CKT SIZE 'N'	PART NUMBER	VOLTAGE KEY	DIM 'R'	DIM 'J'	DIM 'K'	DIM 'L'	DIM 'N'	DIM 'A'	DIM 'S'	DIM 'T'	DIM 'E'	DIM 'U'	DIM 'V'	DIM 'G'	DIM 'H'	DIM 'B'	COVER	TRAY
244	87782-2001	1.8 V	1.30	38.40	36.60	33.60	79.00	96.00	96.00	106.20	39.60	78.00	82.00	47.60	42.75	75.60	NIL	TYPE A
	87782-2002	2.5 V	2.30															
244	87782-2003	1.8 V	1.30	38.40	36.60	33.60	79.00	96.00	96.00	106.20	39.60	78.00	82.00	47.60	42.75	75.60	YES	TYPE B
	87782-2004	2.5 V	2.30															
244	87782-2005	1.8 V	1.30	38.40	36.60	33.60	79.00	96.00	96.00	106.20	39.60	78.00	82.00	47.60	42.75	75.60	YES	TYPE A
	87782-2006	2.5 V	2.30															
244	87782-2007	1.8 V	1.30	38.40	36.60	33.60	79.00	96.00	96.00	106.20	39.60	78.00	82.00	47.60	42.75	75.60	YES	TYPE C
	87782-2008	2.5 V	2.30															
244	87782-2009	1.8 V	1.30	38.40	36.60	33.60	79.00	96.00	96.00	106.20	39.60	78.00	82.00	47.60	42.75	75.60	YES	TYPE D
	87782-2010	2.5 V	2.30															
200	87782-2201	1.8 V	1.30	23.40	38.40	35.40	65.80	82.80	82.80	93.00	24.60	64.80	68.80	32.60	44.55	62.40	NIL	TYPE A
	87782-2202	2.5 V	2.30															
200	87782-2203	1.8 V	1.30	23.40	38.40	35.40	65.80	82.80	82.80	93.00	24.60	64.80	68.80	32.60	44.55	62.40	YES	TYPE A
	87782-2204	2.5 V	2.30															

REVISE DESIGN EC NO: S2008-0403 DRWN:TYANG01 2007/11/29 CHKD:CGTAN 2007/11/29 APPR:SHLENI 2007/11/30	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	DIMENSION STYLE MM ONLY DRAWN BY DATE MLONG 2003/01/07 CHECKED BY DATE PTL IM 2003/07/16 APPROVED BY DATE SKTOH 2003/07/17 MATERIAL NO.	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MINI DIMM, 0.60MM PITCH 200/244 CKTS, VERTICAL	MOLEX INCORPORATED	DOCUMENT NO. SD-87782-001	SHEET NO. 4 OF 5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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

REVISE DESIGN EC NO: S2008-0403 DRWN: TYANG01 2007/11/29 CHKD: CGTAN 2007/11/29 APPR: SLENI 2007/11/30	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
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			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87782-001			5 OF 5
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								