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Part Number:

0878240015

Status:

Active

Description:

1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch
SAS Receptacle, Vertical, Surface Mount, with Surface Mount Solder Tab, 2.54mm (.100") PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87824-029 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

I/O Connectors

Series

87824

Application

Board-to-Board

Comments

With Pick-and-Place Cap

Component Type

Receptacle

Product Name

SAS

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

29

Circuits (maximum)

29

Circuits Detail

Signal 7, SCSI 7, Power 15

Color - Resin

Black

Durability (mating cycles max)

500

Gender

Female

Keying to Mating Part

Yes

Lock to Mating Part

None

Material - Metal

Brass, Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Number of Rows

2

Orientation

Vertical

PC Tail Length (in)

0.000 In

PC Tail Length (mm)

0.00 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.100 In

PCB Thickness Recommended (mm)

2.54 mm

Packaging Type

Embossed Tape on Reel

Panel Mount

Yes

Pitch - Mating Interface (in)

0.031 In, 0.050 In

Pitch - Mating Interface (mm)

0.80 mm, 1.27 mm

Pitch - Term. Interface (in)

0.031 In, 0.050 In

Pitch - Term. Interface (mm)

0.80 mm, 1.27 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

102

Plating min: Termination (µm)

2.54

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Surface Mount Compatible (SMC)

N/A

Temperature Range - Operating

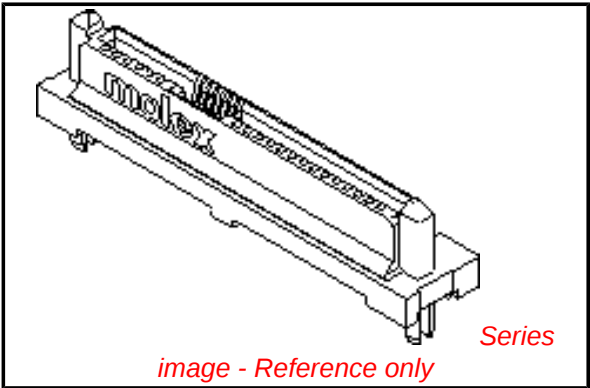
0°C to +55°C

Termination Interface: Style

Surface Mount

Waterproof / Dustproof

No



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

87824Series

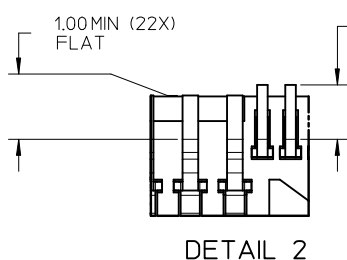
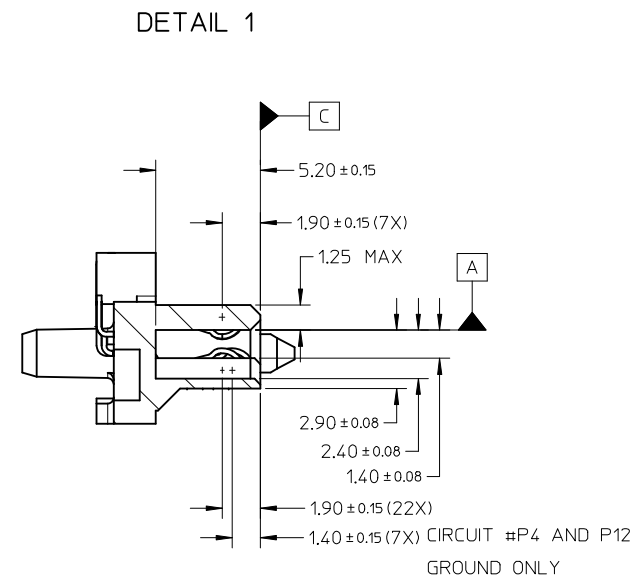
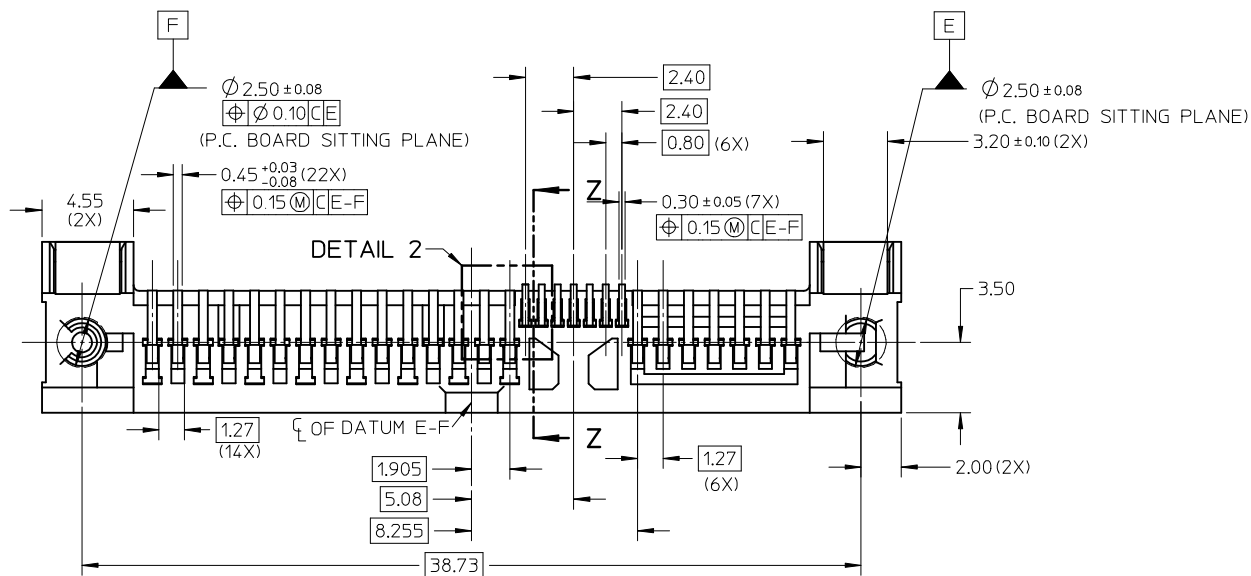
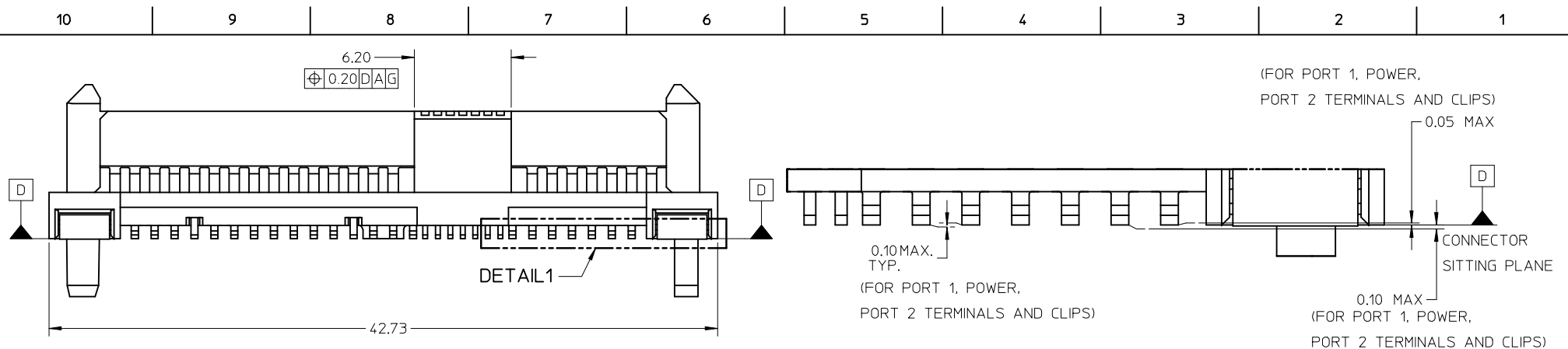
Mates With

SFF-8482 Hard Disk Drive and Backplane Plug. [87679](#) Serial ATA Device Plug with Latch. [87703](#) Serial ATA Device Plug without Jumper. [87799](#) Serial ATA Device Plug with Jumper

Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-87824-029
Sales Drawing	SD-87824-031

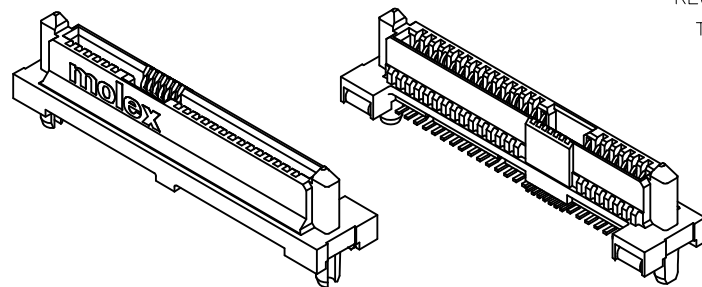
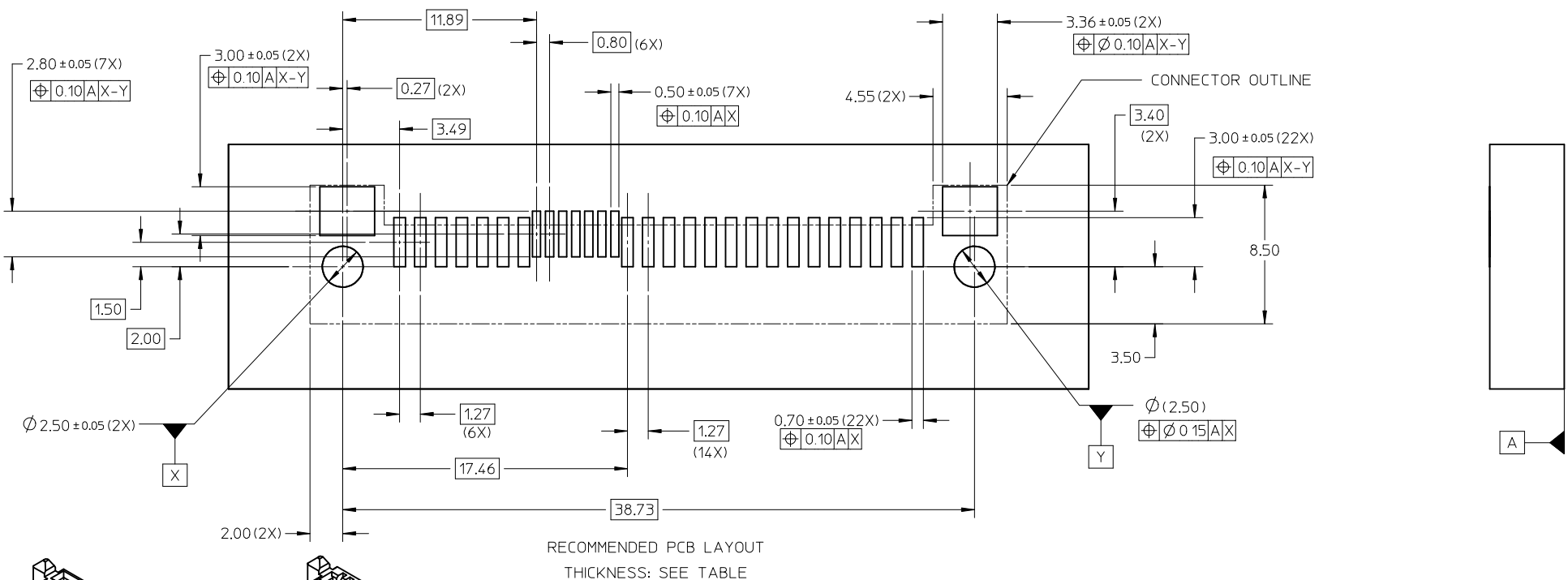
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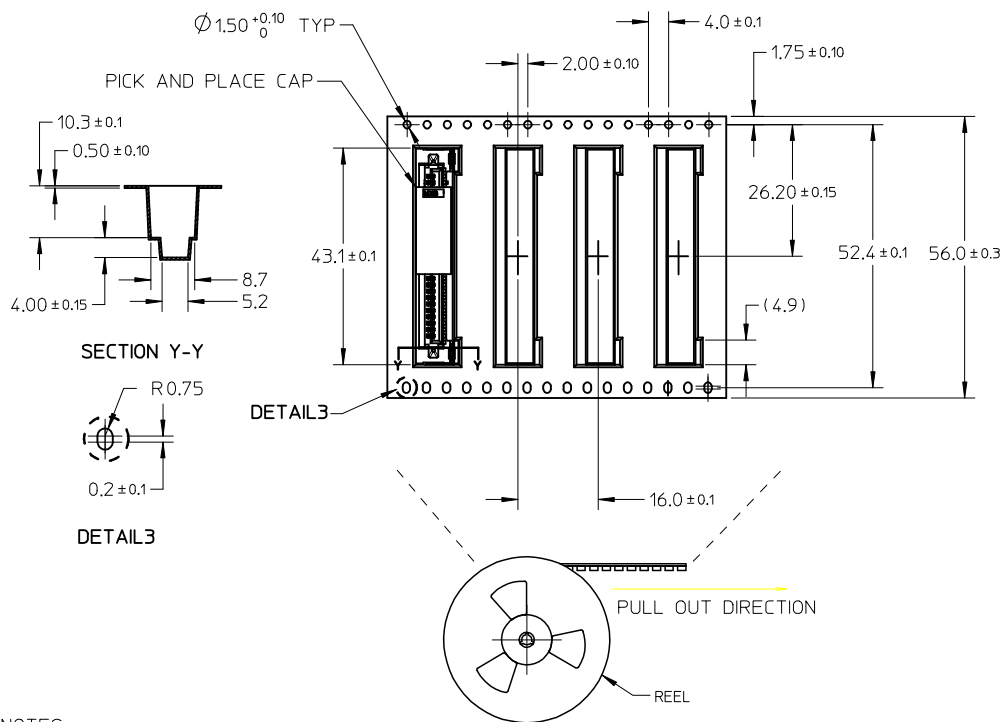
REVISED		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2009-0197		DESCRIPTION		mm		MM ONLY		NTS		METRIC		C	
2008/09/15	DRW:KHLIM	2008/09/16	CHKD:CGOH	2008/09/16	APPR:BOKOK	4 PLACES	± ---	± ---	KHLIM	2005/07/07	TITLE	SERIAL ATTACH SCSI STD HEIGHT BACKPLANE SMT RECEPT (WITH SOLDER TAB)	
2008/09/15	DRW:KHLIM	2008/09/16	CHKD:CGOH	2008/09/16	APPR:BOKOK	3 PLACES	± ---	± ---	SHFONG	2005/07/15	DATE		
2008/09/15	DRW:KHLIM	2008/09/16	CHKD:CGOH	2008/09/16	APPR:BOKOK	2 PLACES	± 0.20	± ---	SKTOH	2005/07/15	DATE		
2008/09/15	DRW:KHLIM	2008/09/16	CHKD:CGOH	2008/09/16	APPR:BOKOK	1 PLACE	± ---	± ---	SKTOH	2005/07/15	DATE		
ANGULAR ± 3 °		MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SD-87824-031		SHEET NO.		2 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											

PART NO	PACKAGING	QUANTITY	PICK & PLACE CAP	DIM S (2X) PEG HEIGHT	PCB THICKNESS
87824-0004	TRAY	50/TRAY	YES	3.70	4.57±0.10
87824-0008	TRAY	30/TRAY	NO	3.70	4.57±0.10
87824-0010	TAPE AND REEL	350/REEL	YES	3.70	4.57±0.10
87824-0013	TRAY	50/TRAY	YES	2.00	2.54±0.10
87824-0014	TRAY	30/TRAY	NO	2.00	2.54±0.10
87824-0015	TAPE AND REEL	350/REEL	YES	2.00	2.54±0.10



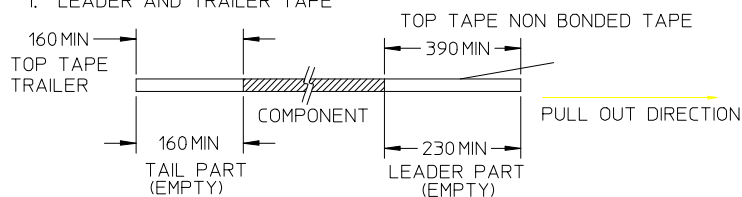
REVISED EC NO: S2009-0197 2008/09/15 DRWN:KHLIM CHKD:CGOH APPR:BOJOK 2008/09/16 2008/09/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY KHLIM	DATE 2005/07/07	TITLE SERIAL ATTACH SCSI STD HEIGHT BACKPLANE SMT RECEPT (WITH SOLDER TAB)				
			4 PLACES	± ---	± ---	CHECKED BY SHFONG	DATE 2005/07/15					
			3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2005/07/15					
			2 PLACES	± 0.20	± ---	MATERIAL NO.				DOCUMENT NO.		
			1 PLACE	± ---	± ---	SEE TABLE				SD-87824-031		
			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED			SHEET NO. 3 OF 4		
			A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

TAPE AND REEL PACKAGING

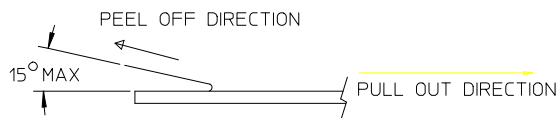


NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 80gf MAX.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)

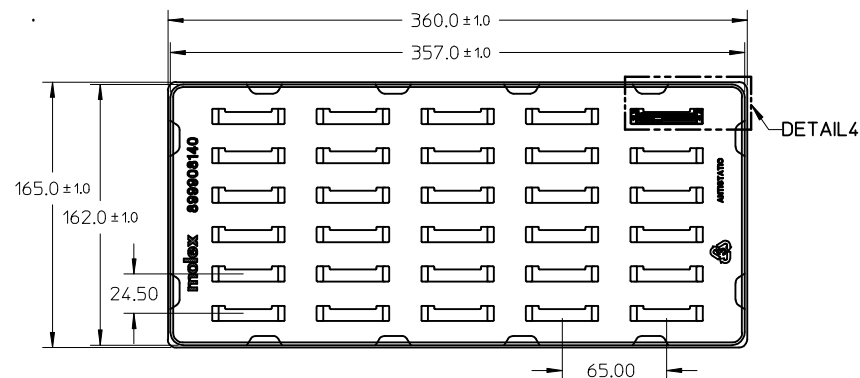


3. PACKAGING QTY: 350 PCS/REEL

4. PACKAGING STANDARD IS AS PER EIA-481.

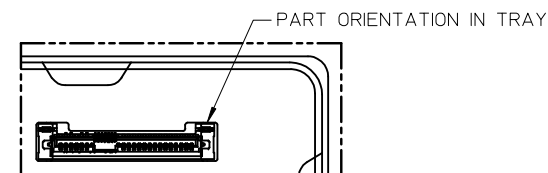
5. CONNECTOR COMES WITH PICK AND PLACE CAP.

TRAY PACKAGING



NOTES:

1. PACKAGING QTY: 30PCS/TRAY
2. NO PICK AND PLACE CAP



DETAIL4

REVISED	EC NO: S2009-0197	2008/09/15	2008/09/16	2008/09/16	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
									MM ONLY		NTS	METRIC		
									DRAWN BY DATE		TITLE			
									CHECKED BY DATE		SERIAL ATTACH SCSI STD HEIGHT BACKPLANE SMT RECEPT (WITH SOLDER TAB)			
									APPROVED BY DATE					
A	REV					▽=0	mm INCH		2005/07/07		MOLEX MOLEX INCORPORATED			
							4 PLACES ± --- ± ---		KHLIM					
							3 PLACES ± --- ± ---		2005/07/15					
		2 PLACES ± 0.20 ± ---		SHFONG		SD-87824-031								
		1 PLACE ± --- ± ---		SKTOH						2005/07/15				
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				4 OF 4						
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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