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Part Number: [0879751001](#)
Status: **Active**
Description: 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch
SAS Receptacle, Right Angle, Surface Mount, "Z" Height of 2.85mm (.112"), with
Beveled Metal Pins, 29 Circuits, Leadfree

Documents:

3D Model	Product Specification PS-87975-102 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	87975
Application	Board-to-Board
Comments	No pick and place cap "Z" Height - 2.85mm (.112")
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
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
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

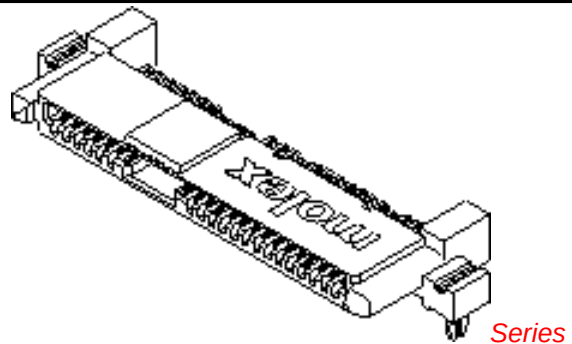


image - Reference only

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

[87975Series](#)

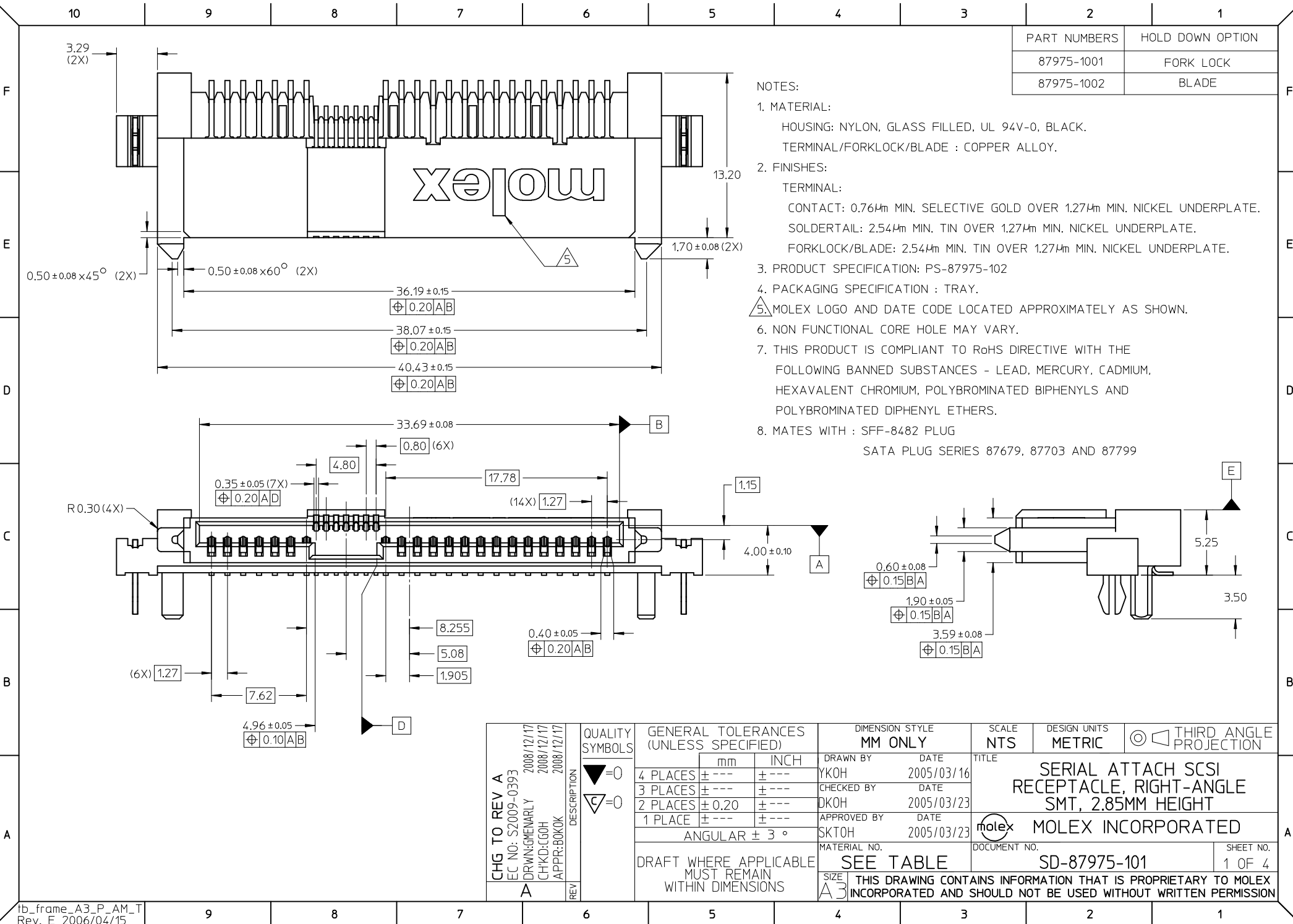
Mates With

[87679](#) , [87799](#) , [87703](#) , SFF 8482 Hard
Disk Drive and Backplane Plug

Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
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-87975-102
Sales Drawing	SD-87975-101

This document was generated on 04/09/2010

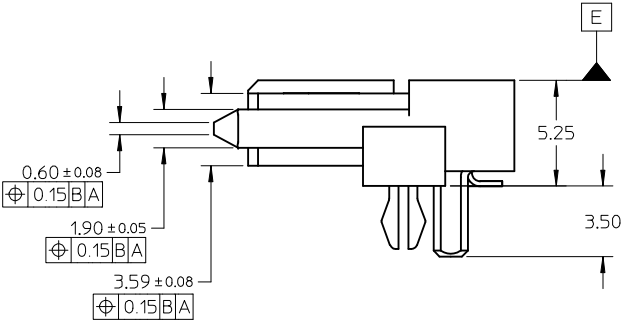
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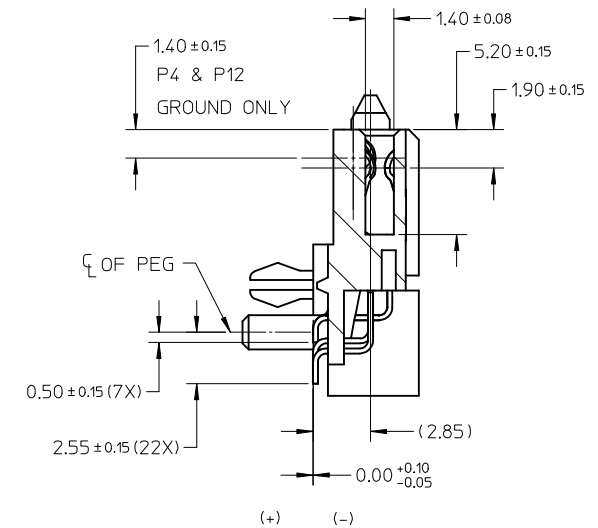
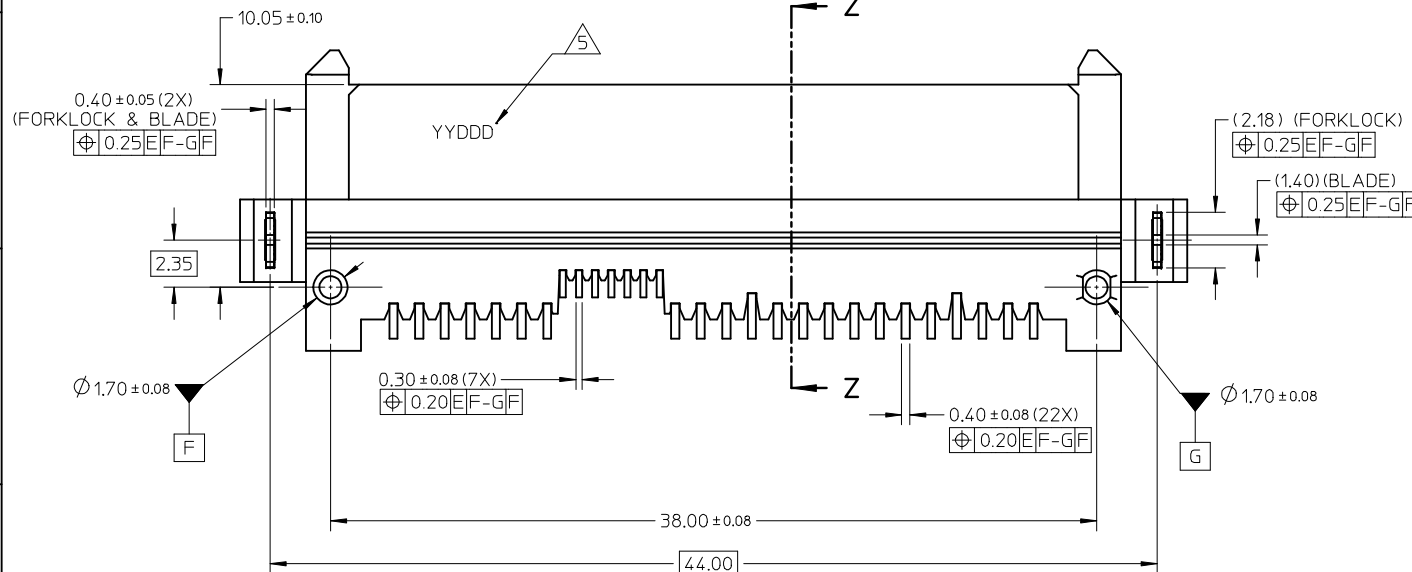
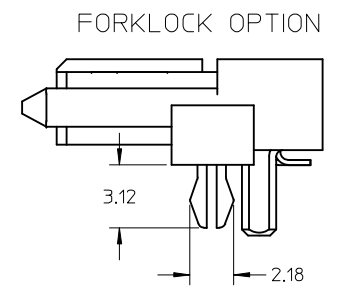
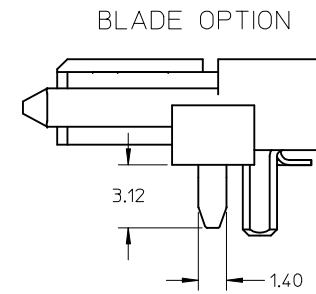
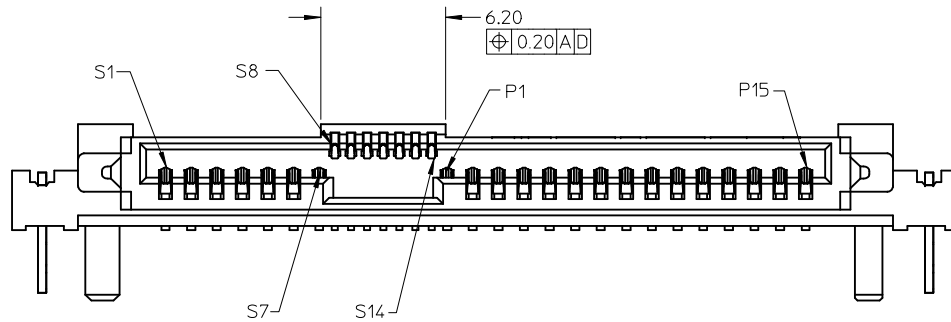
PART NUMBERS	HOLD DOWN OPTION
87975-1001	FORK LOCK
87975-1002	BLADE

NOTES:

- MATERIAL:
HOUSING: NYLON, GLASS FILLED, UL 94V-0, BLACK.
TERMINAL/FORKLOCK/BLADE : COPPER ALLOY.
- FINISHES:
TERMINAL:
CONTACT: 0.76μm MIN. SELECTIVE GOLD OVER 1.27μm MIN. NICKEL UNDERPLATE.
SOLDERTAIL: 2.54μm MIN. TIN OVER 1.27μm MIN. NICKEL UNDERPLATE.
FORKLOCK/BLADE: 2.54μm MIN. TIN OVER 1.27μm MIN. NICKEL UNDERPLATE.
- PRODUCT SPECIFICATION: PS-87975-102
- PACKAGING SPECIFICATION : TRAY.
Molex logo and date code located approximately as shown.
- NON FUNCTIONAL CORE HOLE MAY VARY.
- THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE WITH THE FOLLOWING BANNED SUBSTANCES - LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM, POLYBROMINATED BIPHENYLS AND POLYBROMINATED DIPHENYL ETHERS.
- MATES WITH : SFF-8482 PLUG
SATA PLUG SERIES 87679, 87703 AND 87799

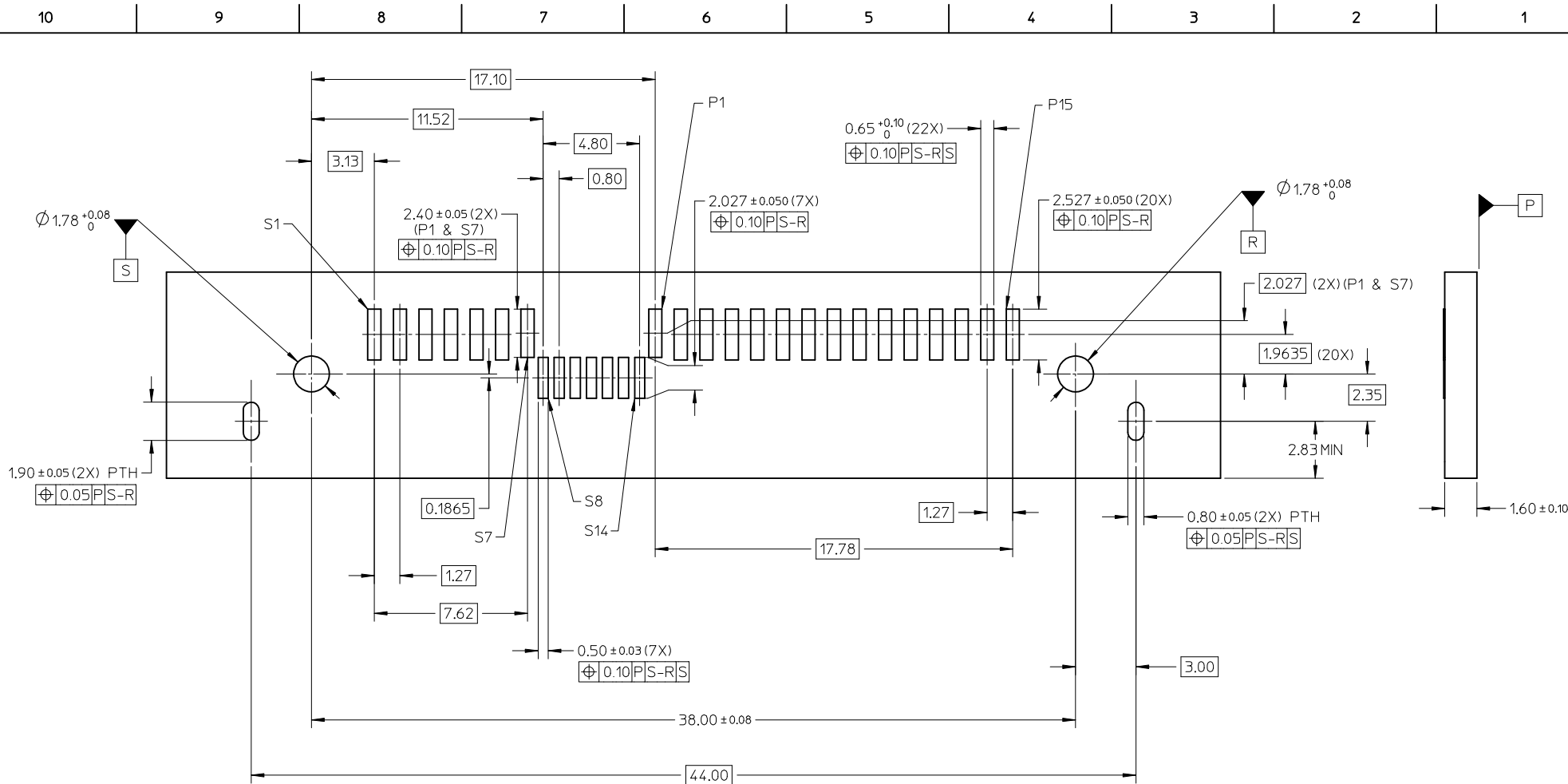


CHG TO REV A EC NO: S2009-0393 DRWN:GEMARLY 2008/12/17 CHKD:GKH 2008/12/17 APPR:BOHOK 2008/12/17			DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
A		REV		▽=0 ◻=0					TITLE SERIAL ATTACH SCSI RECEPTACLE, RIGHT-ANGLE SMT, 2.85MM HEIGHT MOLEX MOLEX INCORPORATED			
					mm	INCH	DRAWN BY	DATE				
					4 PLACES	± --- ± ---	YKOH	2005/03/16				
					3 PLACES	± --- ± ---	CHECKED BY	DATE				
					2 PLACES	± 0.20 ± ---	DKOH	2005/03/23				
					1 PLACE	± --- ± ---	APPROVED BY	DATE				
					ANGULAR ± 3 °		SKTOH	2005/03/23	MOLEX MOLEX INCORPORATED			
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
							SEE TABLE		SD-87975-101		1 OF 4	
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECTION Z-Z

CHG TO REV A EC NO: S2009-0393 DRWN: MENARLY CHKD: CGOH APPR: BOKOK	2008/12/17 2008/12/17 2008/12/17	DESCRIPTION	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 YKOH	DATE 2005/03/16	TITLE SERIAL ATTACH SCSI RECEPTACLE, RIGHT-ANGLE SMT, 2.85MM HEIGHT		
				4 PLACES	± ---	± ---	CHECKED BY DKOH	DATE 2005/03/23			
				3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2005/03/23			
				2 PLACES	± 0.20	± ---	DOCUMENT NO. SD-87975-101				
1 PLACE	± ---	± ---	SHEET NO. 2 OF 4								
ANGULAR ± 3 °		MATERIAL NO.			SEE TABLE						
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							



CHG TO REV A EC NO: S2009-0393 DRWN: MENARLY CHKD: CGOH APPR: BOKOK 2008/12/17 2008/12/17 2008/12/17	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY YKOH		DATE 2005/03/16	
						CHECKED BY DKOH		DATE 2005/03/23	
						APPROVED BY SKTOH		DATE 2005/03/23	
A	DESCRIPTION REV	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		TITLE SERIAL ATTACH SCSI RECEPTACLE, RIGHT-ANGLE SMT, 2.85MM HEIGHT MOLEX INCORPORATED		DOCUMENT NO. SD-87975-101	
		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		SHEET NO. 3 OF 4	

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

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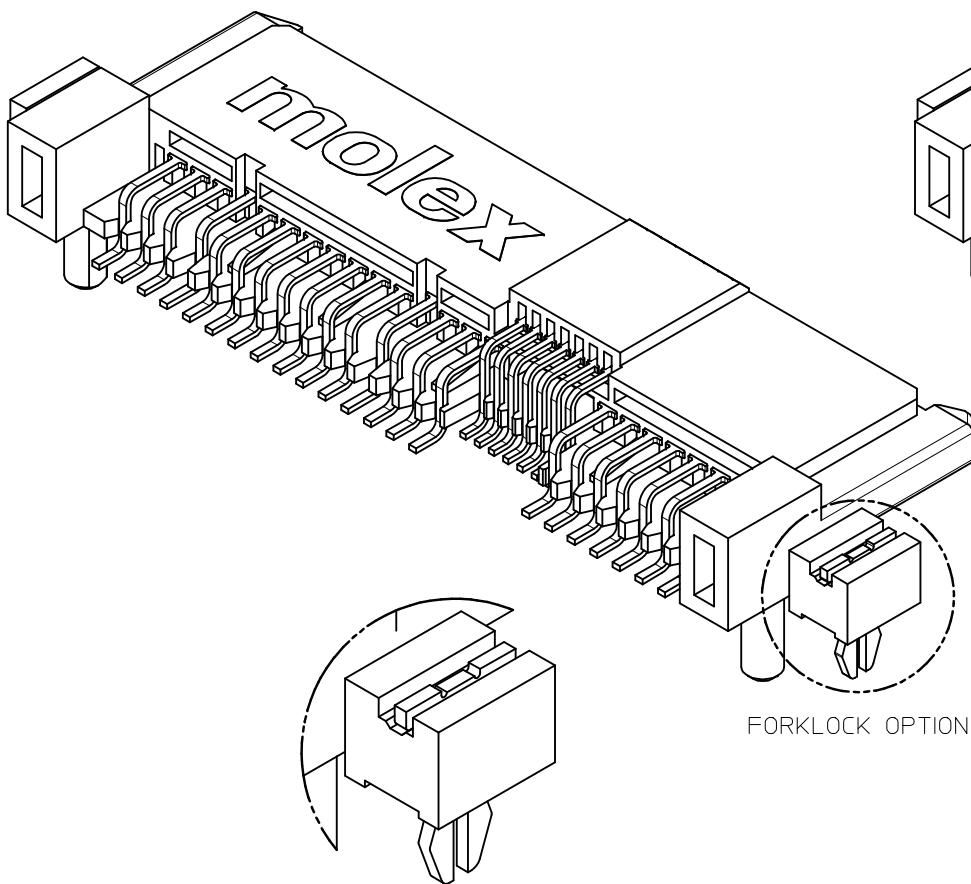
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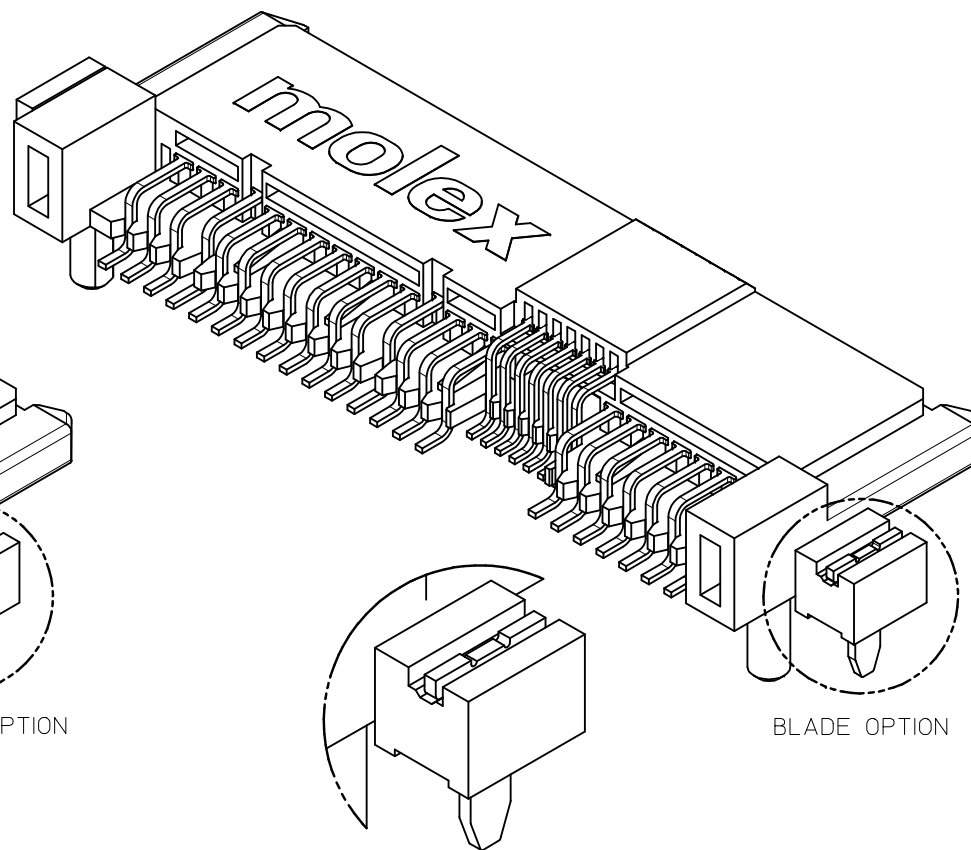
B

A



FORKLOCK OPTION

FORKLOCK OPTION



BLADE OPTION

BLADE OPTION

CHG TO REV A EC NO: S2009-0393 DRWN:GEMARLY 2008/12/17 CHKD:CGOH 2008/12/17 APPR:BOKOK 2008/12/17				QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY				SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
				=0 =0				DRAWN BY YKOH		DATE 2005/03/16		TITLE SERIAL ATTACH SCSI RECEPTACLE, RIGHT-ANGLE SMT, 2.85MM HEIGHT									
								CHECKED BY DKOH		DATE 2005/03/23											
								APPROVED BY SKTOH		DATE 2005/03/23											
REV		DESCRIPTION				ANGULAR $\pm 3^\circ$		MATERIAL NO.		DOCUMENT NO.				SHEET NO.							
A						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE TABLE				SD-87975-101				4 OF 4			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		MOLEX		MOLEX INCORPORATED	

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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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