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Part Number: [0878630015](#)
Status: **Active**
Description: 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch
SAS Receptacle, Vertical, Press fit, 2.70mm (.106") Tail Length, 29 Circuits, Lead free

Documents:
[3D Model](#) [Product Specification PS-87863-060 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

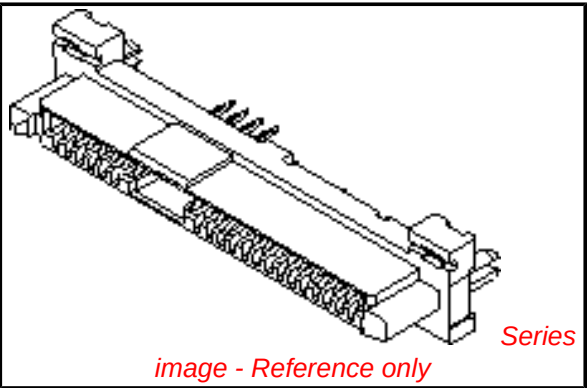
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [87863](#)
Application Board-to-Board
Comments No 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
Flammability 94V-0
Gender Female
Keying to Mating Part Yes
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length (in) 0.087 In, 0.106 In
PC Tail Length (mm) 2.20 mm, 2.70 mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.093 In, 0.125 In
PCB Thickness Recommended (mm) 2.36 mm, 3.18 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



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free

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
[87863Series](#)

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

Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V

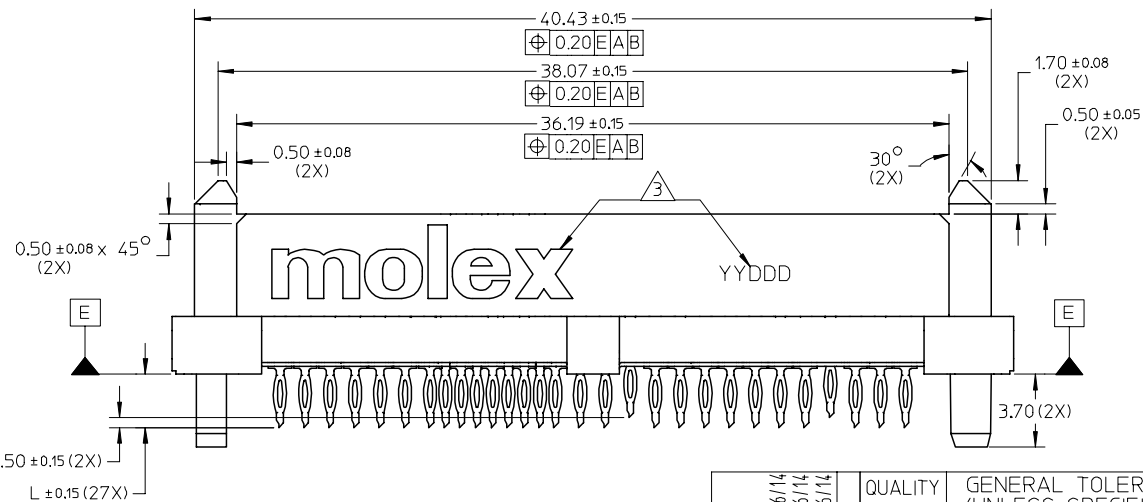
Material Info

Reference - Drawing Numbers

Product Specification	PS-87863-060
Sales Drawing	SD-87863-059

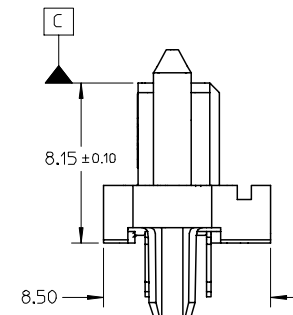
This document was generated on 04/02/2010

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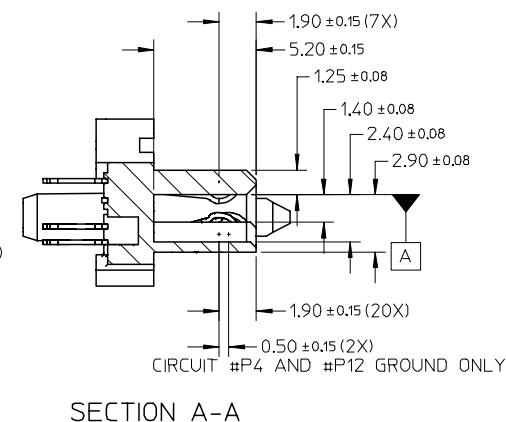
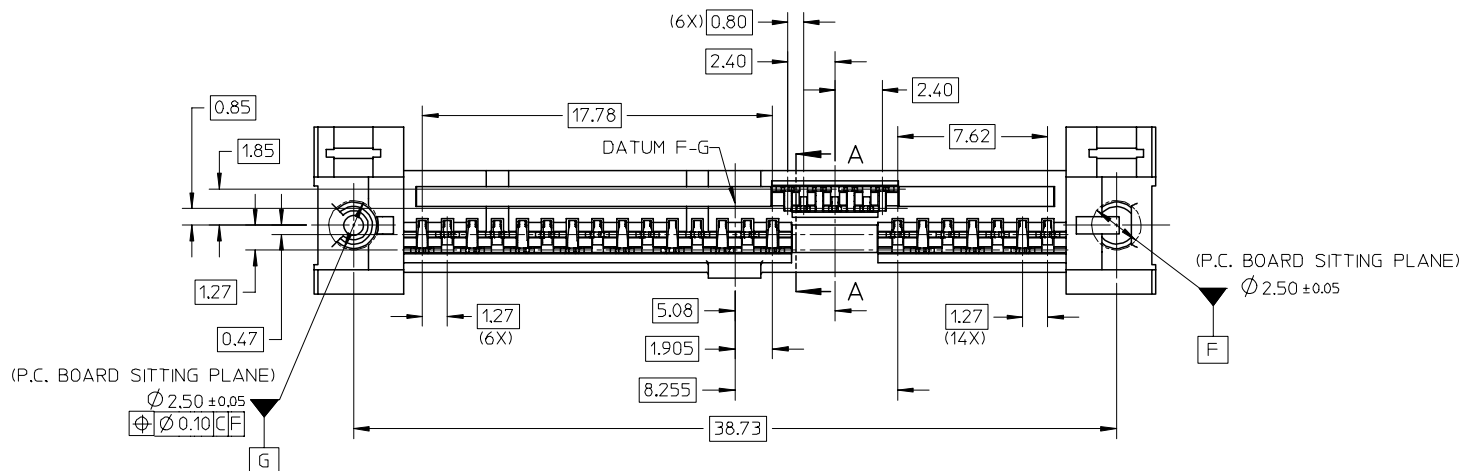
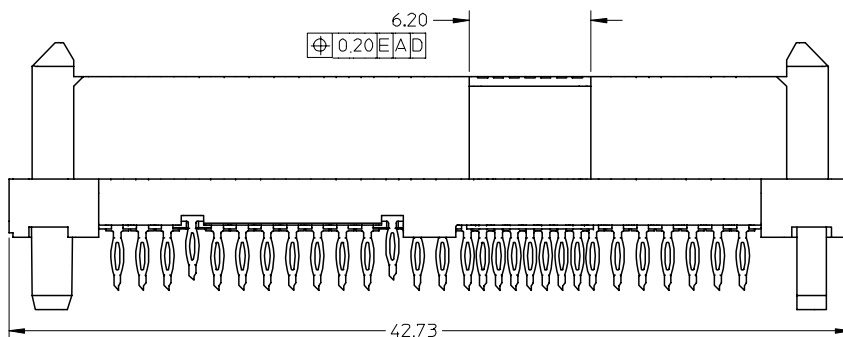


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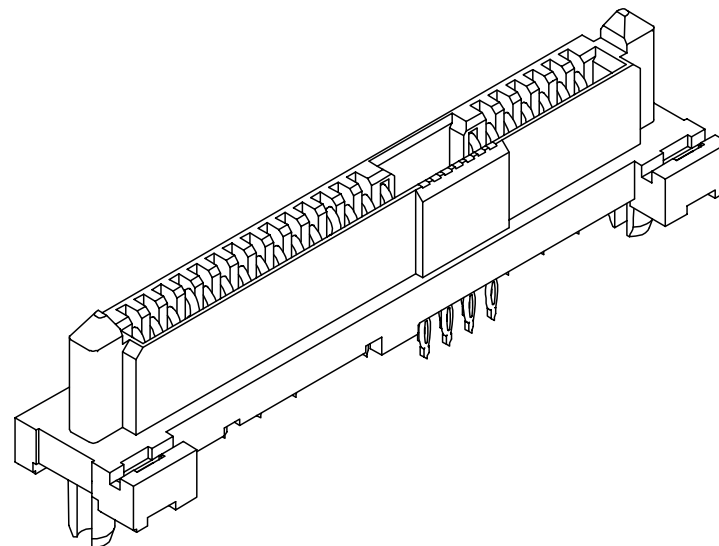
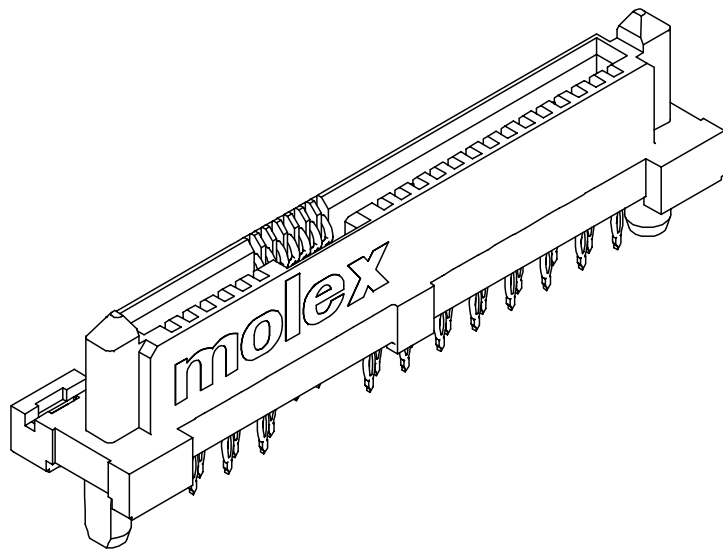
1. MATERIAL:
HOUSING: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL 94V-0, COLOR BLACK.
TERMINAL: COPPER ALLOY.
2. PLATING:
CONTACTS: 0.76µm MIN. SELECTIVE GOLD OVER 1.27m MIN. NICKEL UNDERPLATE.
SOLDERTAILS: 2.54µm MIN. TIN OR 2.54µm MIN. TIN/LEAD
OVER 1.27m MIN. NICKEL UNDERPLATE.
3. MOLEX LOGO AND DATE CODE LOCATED APPROXIMATELY AS SHOWN.
4. PRODUCT CONFORMS TO SFF-8482 SPECIFICATION.
5. KEEP OUT ZONE ON BOTH SIDE OF THE PCB FOR CONNECTOR.
6. PACKAGING: TRAY.
7. PRODUCT SPECIFICATION:
87863-0015 AND 87863-0025 REFER TO PS-87863-060
87863-2025 REFER TO PS-87863-061
8. MATES WITH: SFF-8482 PLUG
SATA PLUG SERIES 87679, 87703 AND 87799
9. THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE WITH THE FOLLOWING
BANNED SUBSTANCES - LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM,
POLYBROMINATED BIPHENYLS AND POLYBROMINATED DIPHENYLS ETHERS.



tb_frame_A3_P_AM_T
Rev. E 2006/04/15



REVISED EC NO: S2007-1057 DRAWN: YKH CHKD: CGTAN APPR: KCLING C5	2007/06/14 2007/06/14 2007/06/14 2007/06/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
					mm	INCH	DRAWN BY DKOH		DATE 2004/10/16	SERIAL ATTACH SCSI PRESS-FIT RECEPTACLE STANDARD HEIGHT					
				4 PLACES	± ---	± ---	CHECKED BY KCLING		DATE 2004/11/15						
				3 PLACES	± ---	± ---	APPROVED BY SKTOH		DATE 2004/11/17						
				2 PLACES	± 0.20	± ---					MOLEX INCORPORATED				
				1 PLACE	± ---	± ---									
							ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87863-059		2 OF 4		
									SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



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