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Part Number: [0878390039](#)
Status: **Active**
Description: 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch SAS Receptacle, Vertical, Hybrid, with Beveled Metal Pin, 2.36mm (.093") PCB Thickness, Embossed Tape Packaging, with Cap, 29 Circuits, Lead free

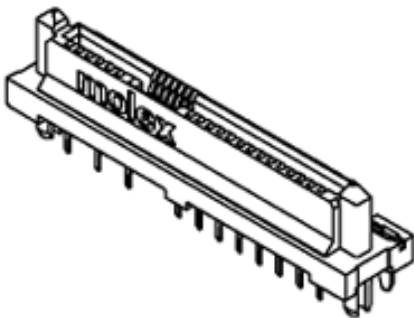
Documents:
[3D Model](#) [Product Specification PS-87839-041 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	87839
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	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)	0.083 In
PC Tail Length (mm)	2.11 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.36 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)	Yes
Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Surface Mount, Through Hole



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

China RoHS



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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

[87839Series](#)

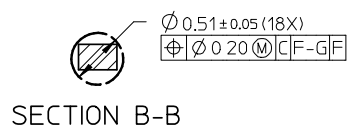
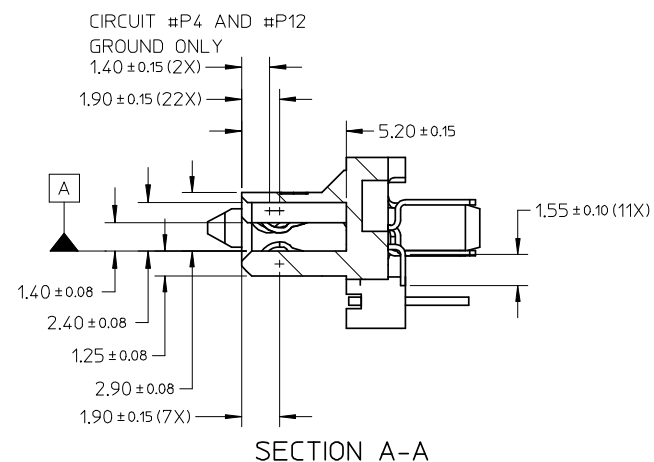
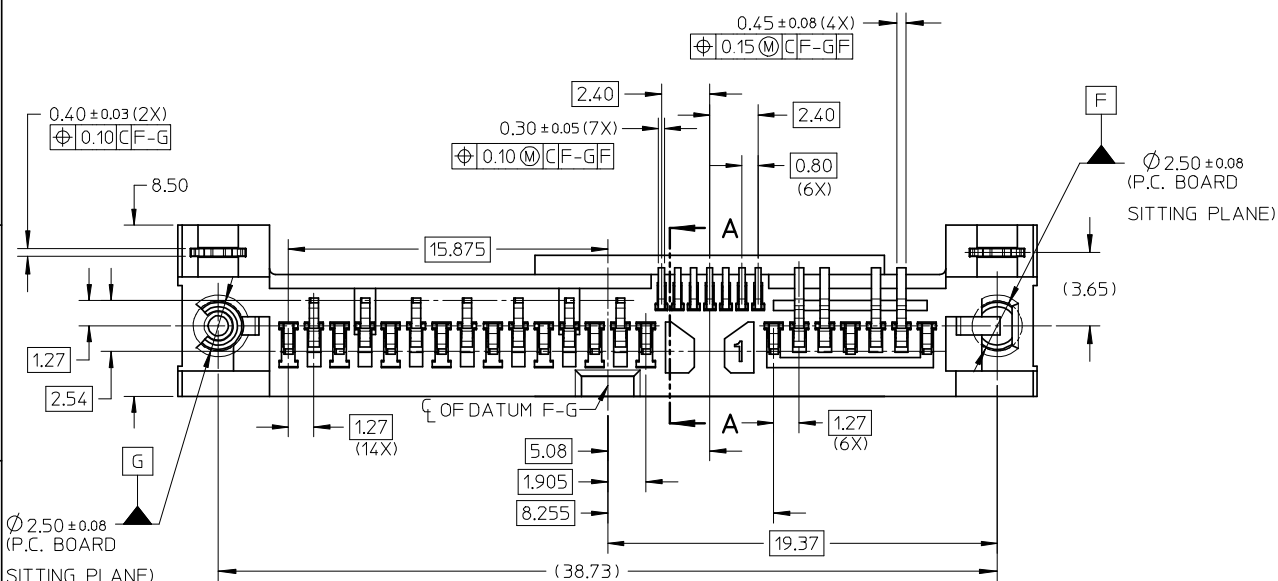
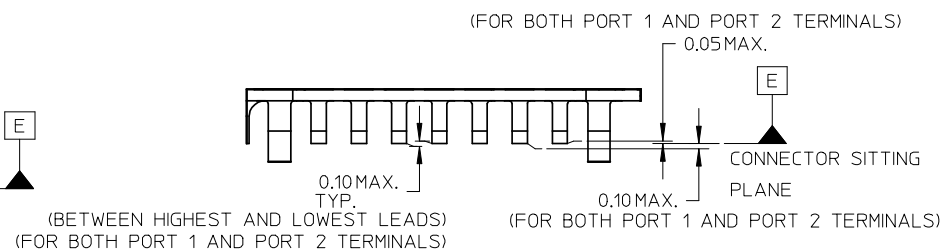
Mates With

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

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-87839-041
Sales Drawing	SD-87839-040

This document was generated on 04/09/2010

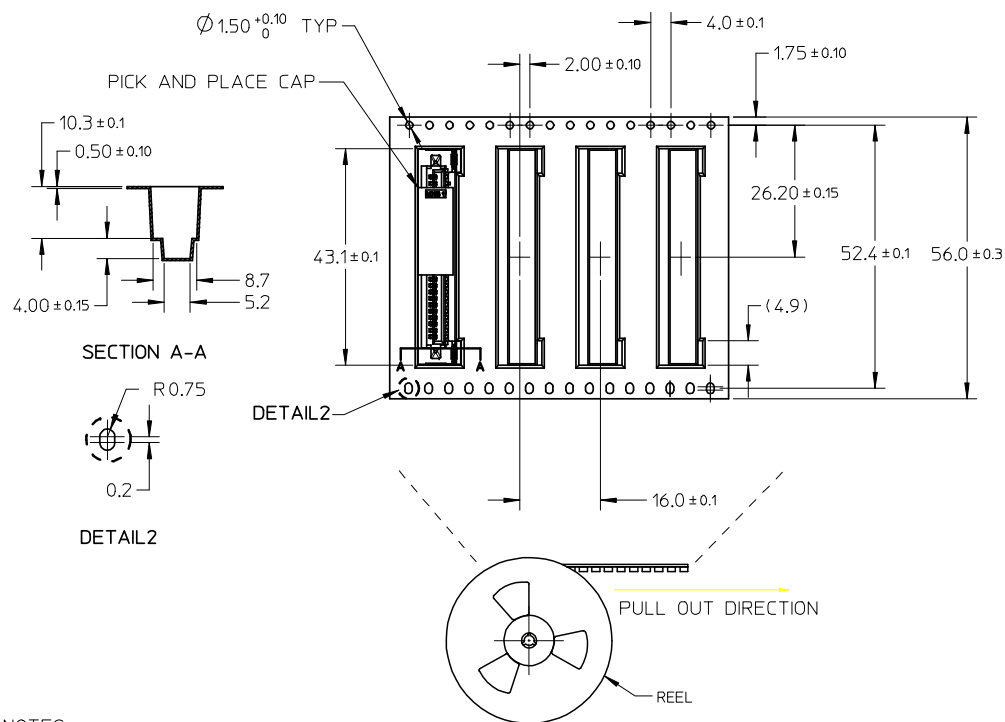
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UPDATE DRAWING EC NO: S2008-0663 DRWN:KHLIM CHK'D:CGH APPR:KCLING	2008/02/14 2008/02/15 2008/02/18	DESCRIPTION A6	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																													
				 =0  =0	<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.20</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.20	± ---	1 PLACE	± ---	± ---	ANGULAR ± 3 °			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>DKOH</td><td>2004/11/23</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>KCLING</td><td>2004/12/01</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>SKTOH</td><td>2004/12/01</td></tr><tr><td colspan="2">MATERIAL NO.</td></tr></table>	DRAWN BY	DATE	DKOH	2004/11/23	CHECKED BY	DATE	KCLING	2004/12/01	APPROVED BY	DATE	SKTOH	2004/12/01	MATERIAL NO.		TITLE SERIAL ATTACH SCSI RECEPTACLE, HYBRID STANDARD HEIGHT MOLEX INCORPORATED DOCUMENT NO. SD-87839-040	SHEET NO. 2 OF 4
					mm	INCH																																		
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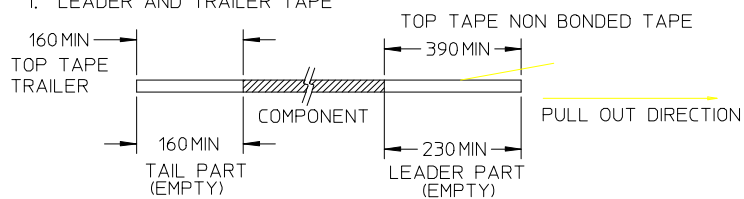
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TAPE AND REEL PACKAGING

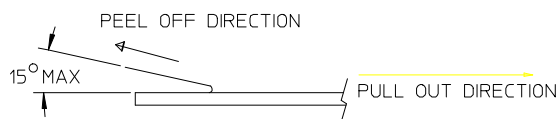


NOTES:

1. LEADER AND TRAILER TAPE

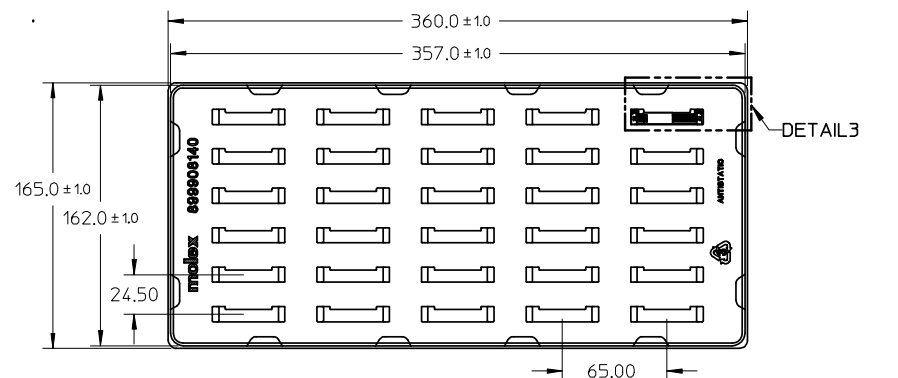


2. PEELING OFF FORCE OF THE TOP TAPE: 80gf MAX.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)

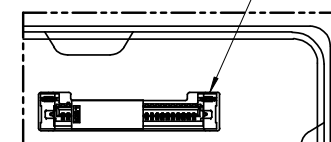


3. PACKAGING QTY IS: 350 PCS/REEL
4. PACKAING STANDARD IS AS PER EIA-481.
5. CONNECTOR COMES WITH PICK AND PLACE CAP.

TRAY PACKAGING



PART ORIENTATION IN TRAY



DETAIL3

NOTES:

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

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ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE						
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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