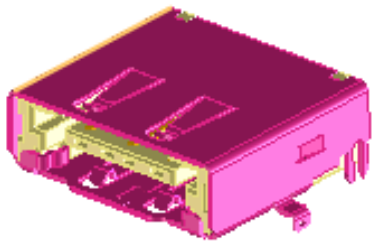
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1051321002
Status: Active
Overview: esatausb_combo_receptacles
Description: Combo External Serial ATA and USB Receptacles, Right Angle, Through hole, Top Mount, Sink type, Lead free



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	105132
Application	Wire-to-Board
Comments	Shortest hind forklocks . Lower through hole type front solder tabs . Top mounted on recessed PCB . Durability: 1,500 cycles for USB; 2,500 cycles for eSATA
Component Type	Receptacle
Overview	esatausb_combo_receptacles
Product Name	eSATA/USB Combo, External Serial ATA, USB
Type	N/A

Physical

Circuits (Loaded)	4, 7
Circuits Detail	eSATA: 7 circuits; USB: 4 circuits
Color - Resin	Black
Durability (mating cycles max)	1,500
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.055 In
PCB Thickness Recommended (mm)	1.40 mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In, 0.079 In, 0.098 In
Pitch - Mating Interface (mm)	1.27 mm, 2.00 mm, 2.50 mm
Pitch - Term. Interface (in)	0.050 In, 0.079 In, 0.098 In
Pitch - Term. Interface (mm)	1.27 mm, 2.00 mm, 2.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Through Hole

Electrical

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
105132Series

Mates With
External Serial ATA Cable Assembly or USB Type A Cable Assembly

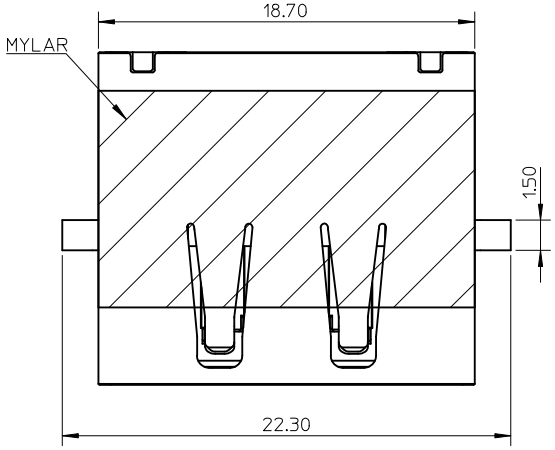
Current - Maximum per Contact	1.5A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	15V DC

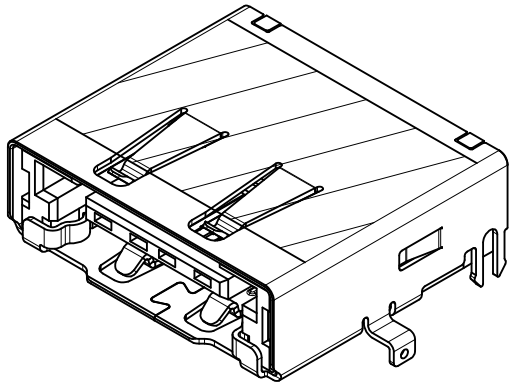
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105132-100
Sales Drawing	SD-105132-100

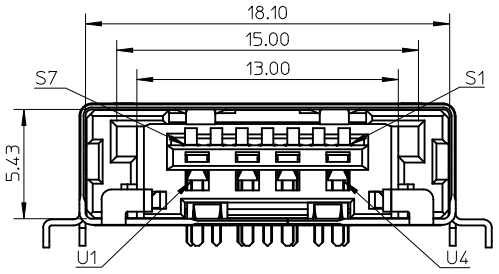
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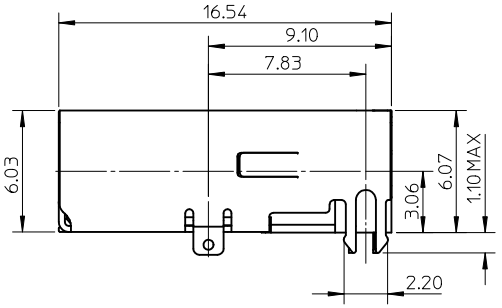


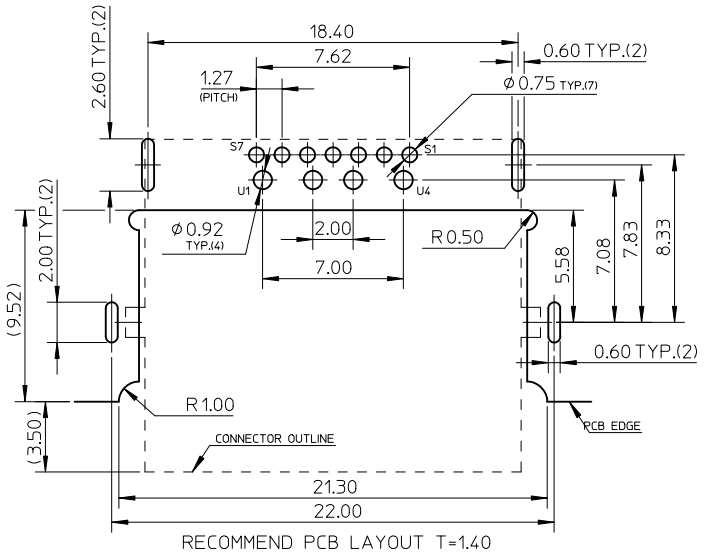


NOTES:

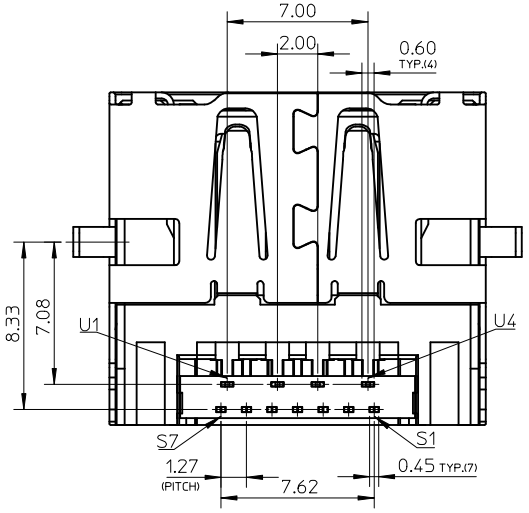
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC, 30% GLASS FILLED, BLACK, UL94V-0.
   TAIL GUIDER: HIGH TEMPERATURE THERMOPLASTIC, 30% GLASS FILLED, BLACK, UL94V-0.
   TERMINAL-1: COPPER ALLOY.
   TERMINAL-2: COPPER ALLOY.
   METAL SHELL: STAINLESS STEEL.
2. TERMINAL PLATING:
   CONTACT AREA: GOLD PLATING. SEE TABLE
   SOLDER AREA: MATTE TIN PLATING, 2.0 MICROMETERS MINMUM.
   UNDER PLATING: NICKEL PLATING, 2.0 MICROMETERS MINIMUM.
3. METAL SHELL PLATING: SOLDERABLE NICKEL PLATING.
4. PRODUCT SPECIFICATION: PS-47403-001.
5. PACKAGE SPECIFICATION: PK-105132-100.
6. PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.







RECOMMEND PCB LAYOUT T=1.40
PCB TOLERANCE = ±0.05



PIN ASSIGNMENT

USB		ESATA	
NAME	TYPE	NAME	TYPE
U1	VBUS	S1	GND
U2	D-	S2	A+
U3	D+	S3	A-
U4	GND	S4	GND
		S5	B-
		S6	B+
		S7	GND

P/N	GOLD PLATING SPEC
105132-1000	GOLD FLASH
105132-1001	15u" MINIMUM
105132-1002	30u" MINIMUM

NEW RELEASE
EC NO: SH2010-0291 2010/02/08
DRWN:GLI LI 2009/10/15
CHKD:STARY SONG 2009/10/15
APPR:RZHANG 2010/02/26
DESCRIPTION
A
REV

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DIXON LI DATE: 2009/10/15
CHECKED BY: STARY SONG DATE: 2009/10/15
APPROVED BY: RZHANG DATE: 2010/02/12
MATERIAL NO.: SEE CHART

TITLE: COMBO OF ESATA & USB TOP MOUNT, SINK TYPE

MOLEX INCORPORATED

DOCUMENT NO.: SD-105132-100
SHEET NO.: 1 OF 1
SIZE: A3

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