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Part Number:

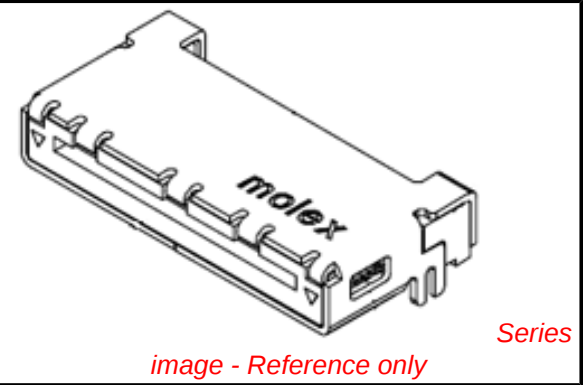
0490450016

Status:

Active

Description:

0.50mm (.020") Pitch Board-to-Board Shutter I/O Receptacle, SMT, Shielded, Right Angle, 24 Circuits, Silver



- Documents:
- 3D Model

Drawing (PDF)

Product Specification PS-49045-001 (PDF)

Product Specification PS-49045-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	49045
Application	Board-to-Board
Comments	Coplanarity of Soldertails 0.10mm max
Component Type	Receptacle
Product Name	N/A
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black, Natural
Gender	Receptacle
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	No
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.020 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	8
Plating min: Mating (µm)	0.2
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-20°C to +65°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
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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

49045Series

Mates With

24P I/O Standard Plug

Grounding to Panel	N/A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-49045-001, PS-49045-002, RPS-49045-002
Sales Drawing	SD-49045-001

This document was generated on 04/02/2010

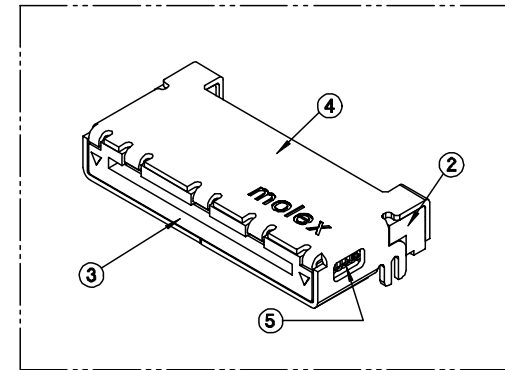
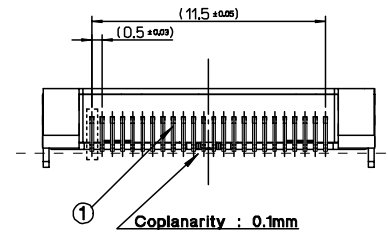
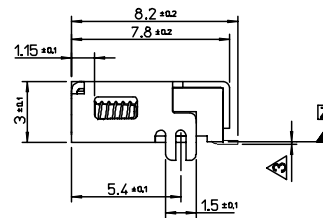
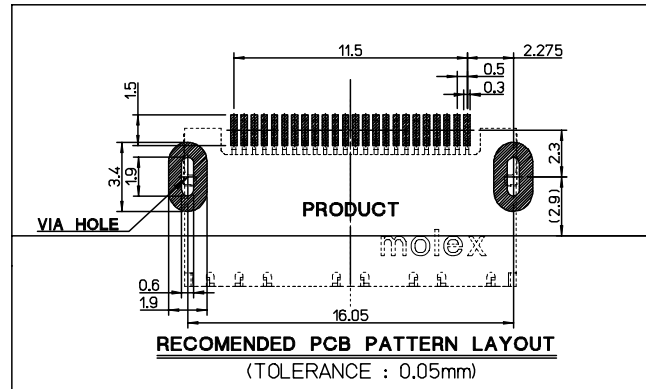
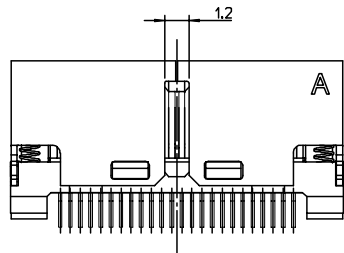
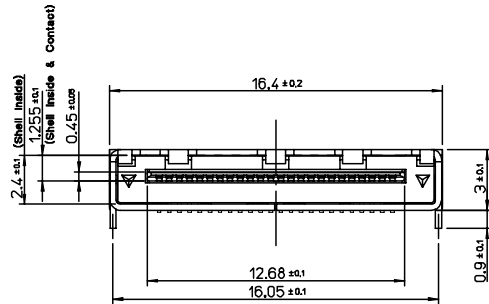
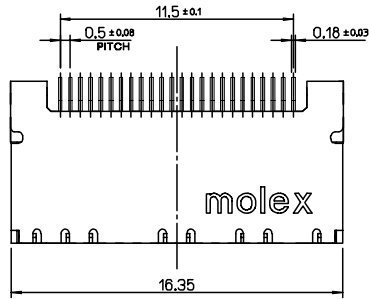
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DWG. NO. SD-49045-001

SIMILAR ITEM

PROJECT NO.

B

DO NOT SCALE DRAWING
DIMENSION IN METRIC

ISO-METRIC VIEW

TABLE 1

SILVER	490450016	49045-0016
BLACK	490450011	49045-0011
COLOR	MATERIAL NO.	ENGINEERING NO.

TABLE 2

⑤	SPRING	STAINLESS STEEL	NONE
④	METAL SHELL	STAINLESS STEEL	NICKEL
③	SHUTTER	POLY AMIDE UL94V-0	BLACK / NATURAL
②	HOUSING	POLY AMIDE UL94V-0	BLACK COLOR
①	CONTACT TERMINAL	COPPER ALLOY	SELECTIVE GOLD
NO.	DESCRIPTION	MATERIAL	FINISH

NOTES

1. MATERIALS: SEE TABLE 2
2. FINISHES: SEE TABLE 2
3. ALIGNMENT OF SOLDER TAILS FROM Z:
UPPER DIRECTION 0.05 MAX. LOWER DIRECTION 0.1 MAX.
4. COPLANARITY OF SOLDER TAILS : 0.1mm MAX.
5. PRODUCT SPECIFICATION : PS-49045-001
6. PACKAGING SPECIFICATION : PK-49045-001

REVISED	ECN NO. KOR2007-0007 DRWN: E.S.JUNG 06/07/24 CHK: S.H.JOO APPR: S.J.SEH	DESCRIPTION	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 4 : 1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm ☐ INCH ☒ mm ONLY	REVISE ON CAD ONLY															
				<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±0</td><td>±</td></tr><tr><td>3 PLACES</td><td>±0</td><td>±</td></tr><tr><td>2 PLACES</td><td>±0.1</td><td>±</td></tr><tr><td>1 PLACE</td><td>±0.2</td><td>±</td></tr></table>		mm	INCH		4 PLACES	±0	±	3 PLACES	±0	±	2 PLACES	±0.1	±	1 PLACE	±0.2	±	DRAWN BY & DATE E.S.JUNG 05/07/19		TITLE: 0.5 SHUTTER I/O CONN. 24P RECEPTACLE (WITHOUT BATTERY)		
					mm	INCH																			
				4 PLACES	±0	±																			
				3 PLACES	±0	±																			
2 PLACES	±0.1	±																							
1 PLACE	±0.2	±																							
CHECKED BY & DATE S.H.JOO																									
APPROVED BY & DATE S.J.SEH		MOLEX MOLEX INCORPORATED																							
CAD FILENAME SD49045001.MI					MATERIAL NO. SEE TABLE 1	DRAWING NO. SD-49045-001	SHEET NO. 1 OF 2																		
C	REV			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.					SIZE B														

DO NOT SCALE DRAWING
DIMENSION IN METRIC

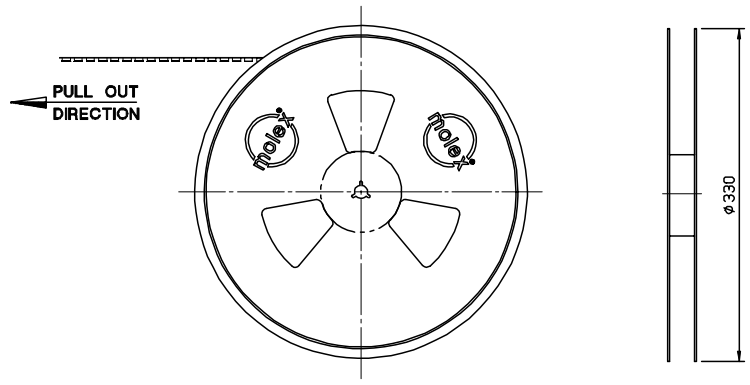
B

C

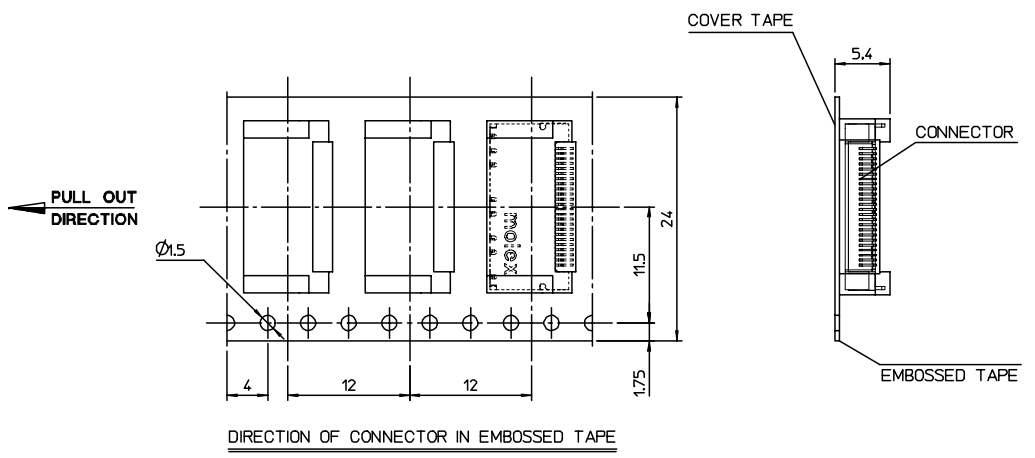
PROJECT NO.

SIMILAR ITEM

DWG. NO. SD-49045-001

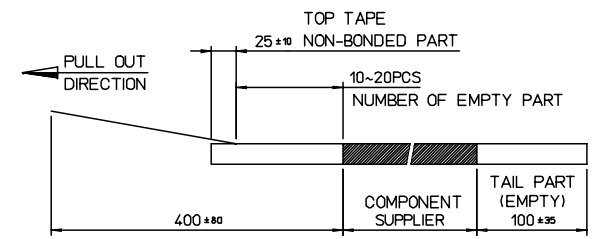


DETAIL
SCALE 2:1

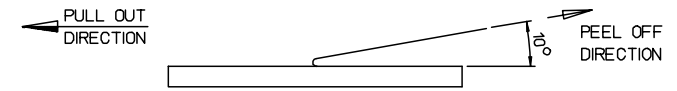


NOTES

1. QUANTITY OF CONNECTORS : 1,000PCS/REEL
2. LEAD LENGTH



3. PEELING OFF FORCE OF COVER TAPE : 0.1N ± 0.59N(10.2 ± 60GF)
(PEELING DIRECTION AS SHOW IN FOLLOW FIG.)
- PEELING OFF SPEED : 300mm/Min.(Ref.)



RELEASE ECN NO. KOR2008-0074 DRWN: ES.JUNG 05/12/21 CHK: SHJOO APPR: SJ,SEH	DESCRIPTION	QUALITY SYMBOLS MAJOR =  CRITICAL = 	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 4 : 1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY	SHT	REV		
										REVISE ON CAD ONLY		
							DRAWN BY & DATE ES.JUNG 05/12/21	TITLE: 0.5 SHUTTER I/O CONN. 24P RECEPTACLE (WITHOUT BATTERY)				
							CHECKED BY & DATE SH.JOO					
							APPROVED BY & DATE SJ,SEH	MOLEX INCORPORATED				
				CAD FILENAME SD49045001.MI	MATERIAL NO. SEE TABLE 1	DRAWING NO. SD-49045-001	SHEET NO. 2 OF 2					
A1	REV		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.					SIZE B	