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Part Number: [0495972007](#)
Status: **Active**
Description: 1.25mm (.049") FPC/FFC Backflip Housing, 20 Circuits, Black

Documents:

[3D Model](#) [Product Specification PS-49597-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family FFC/FPC Connectors
Series [49597](#)
Product Name BackFlip™

Physical

Circuits (Loaded) 20
Circuits (maximum) 20
Color - Resin Black
Contact Position Bottom
Durability (mating cycles max) 250
Entry Angle Side Entry
Flammability 94V-0
Material - Metal Copper Nickel
Material - Plating Mating Tin
Material - Plating Termination Copper
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.049 In
Pitch - Mating Interface (mm) 1.25 mm
Polarized to PCB No
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating N/A
Termination Interface: Style IDT or Pierce
Wire/Cable Type FFC/FPC

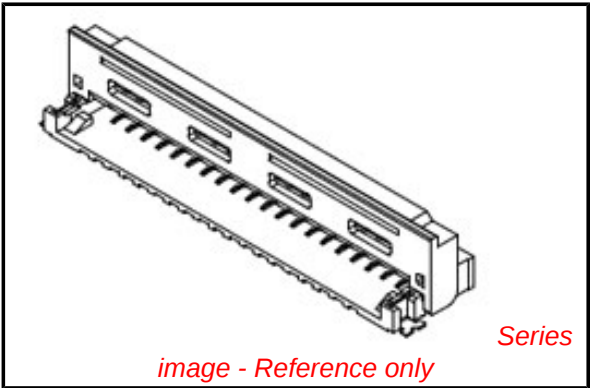
Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 300V

Material Info

Reference - Drawing Numbers

Product Specification PS-49597-001
Sales Drawing SD-49597-001



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not 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
[49597Series](#)

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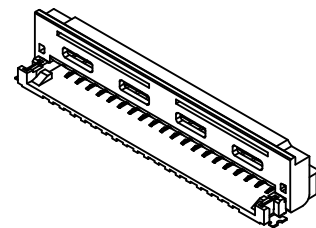
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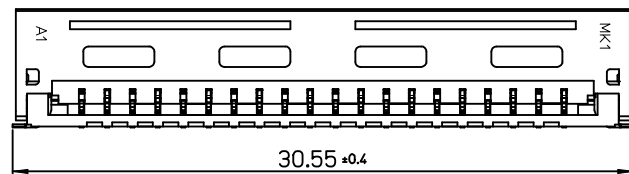
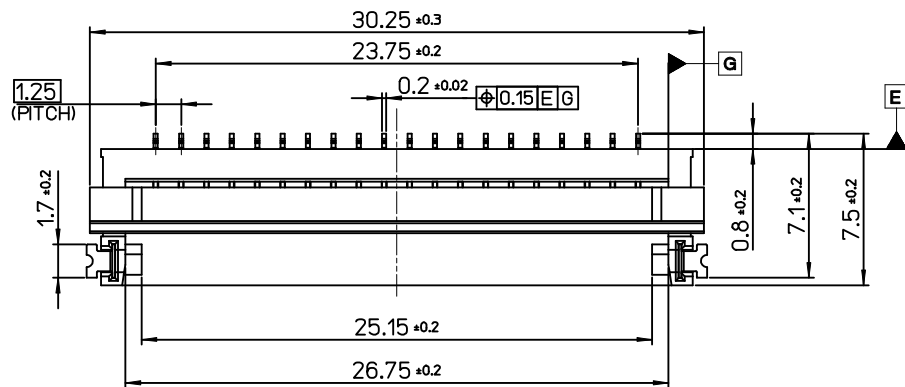
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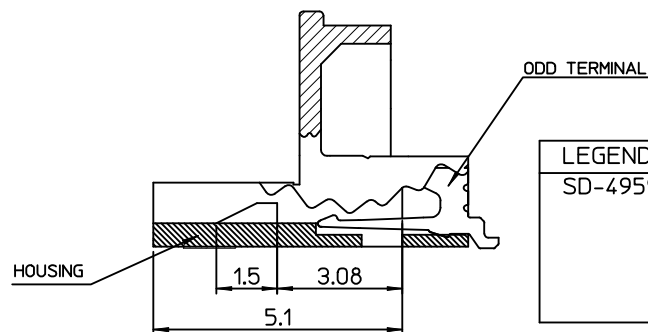
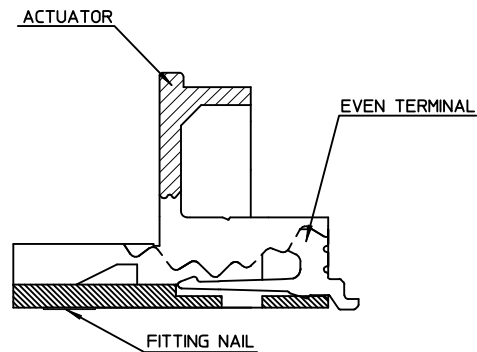
LEAD-FREE



ISOMETRIC VIEW



COPLANARITY : 0.08 MAX.

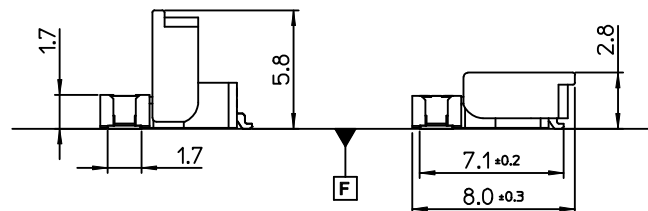


LEGEND

SD-49597-20*7

COLOR

- 0 : NATURAL
- 1 : BLACK
- 3 : NATURAL, HALOGEN FREE
- 4 : BLACK, HALOGEN FREE



NOTES

1. MATERIAL

- HOUSING : PA46 ,GLASS FILLED. UL94V-0, COLOR: BEIGE.
LCP,GLASS FILLED. UL94V-0, COLOR: NATURAL
- ACTUATOR : LCP,GLASS FILLED. UL94V-0, COLOR: NATURAL, BLACK.
- TERMINAL : COPPER ALLOY.
- FITTING NAIL : COPPER ALLOY.

2. FINISHES

- TERMINAL : Tin[Sn] OVER NICKEL[Ni] PLATING.
- FITTING NAIL : TIN[Sn] OVER NICKEL[Ni] PLATING.

3. PRODUCT SPECIFICATION : PS-49597-001

4. PACKING SPECIFICATION : PK-49597-001

5. ACTUATOR IS OPEN IN THE EMBOSSED PACKING

REVISED	EC NO: KOR2010-0012	DRWN: HJEONG	2009/07/24	CHKD: YSOKIM	2009/07/24	APPR: YUNSIKIM	2009/07/24	DESCRIPTION	QUALITY SYMBOLS	▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
														MM ONLY		4:1	METRIC				
														DRAWN BY		DATE		TITLE			
														JHLEE		2007/03/09					
														CHECKED BY		DATE		1.25 FPC/FFC B/F CONN HOUSING ASS'Y 20P (BOTTOM CONTACT)			
														KSKIM		2007/03/09					
														APPROVED BY		DATE		MOLEX INCORPORATED			
														YSOOKIM		2007/03/09					
														MATERIAL NO.		DOCUMENT NO.		SD-49597-001			
														SEE TABLE							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		SHEET NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
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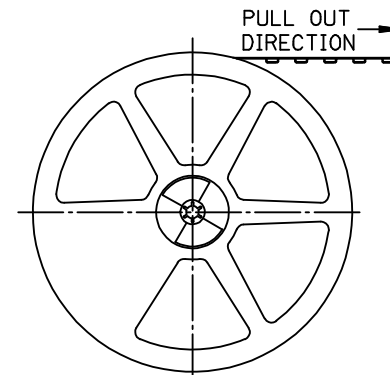
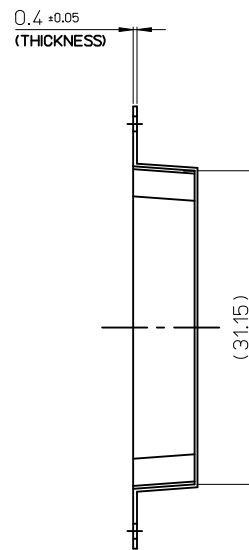
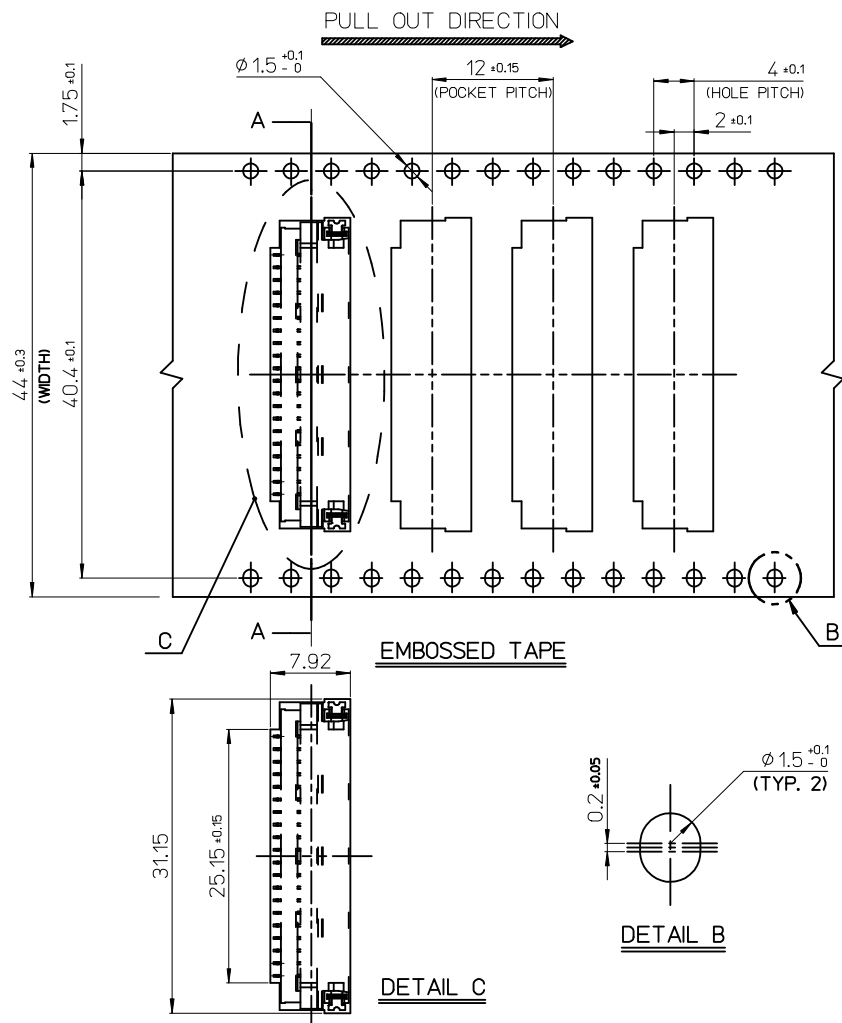
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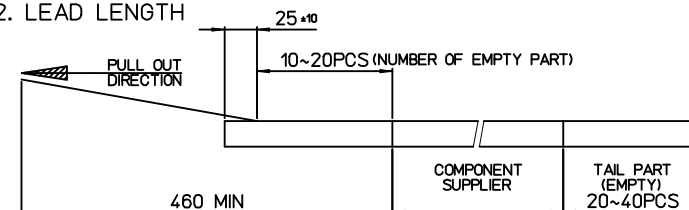
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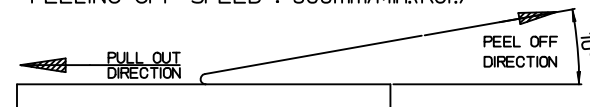
PLASTIC BOBBIN

NOTES

1. QUANTITY OF CONNECTORS : 1200PCS/REEL
2. LEAD LENGTH



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



4. FLASH IN ANY PORTION SHOULD BE LESS THAN 0.20mm MAX.

HALOGEN FREE	495972047	495972040	49597-9920	44mm	BLACK
	495972037	495972030			NATURAL
	495972017	495972010			BLACK
	495972007	495972000			NATURAL
NON-HF					
TYPE	MATERIAL NO.	CONNECTOR	EMBOSS TAPE	TAPE WIDTH	COLOR
3	PLASTIC BOBBIN		HI P.S	WHITE	
2	COVER TAPE		P.E.T	37.5mm	
1	CARRIER (EMBOSSSED) TAPE		P.E.T		
NO.	DESCRIPTION		MATERIAL	REMARK	

REVISED

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DRWN: HJEONG 2009/07/24

CHKD: YSOKIM 2009/07/24

APPR: YUNSIKKIM 2009/07/24

QUALITY SYMBOLS

▽=0

▽=0

	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JHLEE	2007/03/09
CHECKED BY	DATE
KSKIM	2007/03/09
APPROVED BY	DATE
YSOKIM	2007/03/09
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE	1:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
1.25 FPC/FFC B/F CONN HOUSING ASS'Y 20P (BOTTOM CONTACT)	
MOLEX INCORPORATED	
DOCUMENT NO.	SD-49597-001
SHEET NO.	3 OF 3
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