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Part Number: [0495972037](#)
Status: **Active**
Description: 1.25mm (.049") FPC/FFC Backflip Housing, 20 Circuits, Black, Halogen Free

Documents:

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

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
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

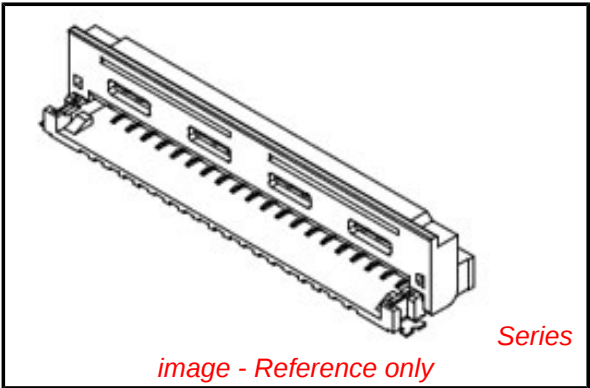
Electrical

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

Material Info

Reference - Drawing Numbers

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



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

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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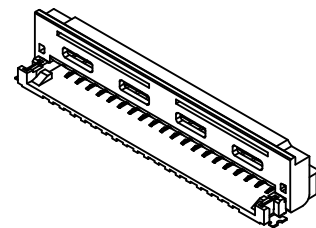
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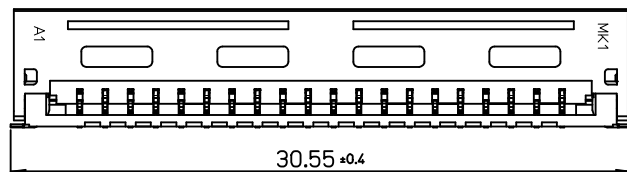
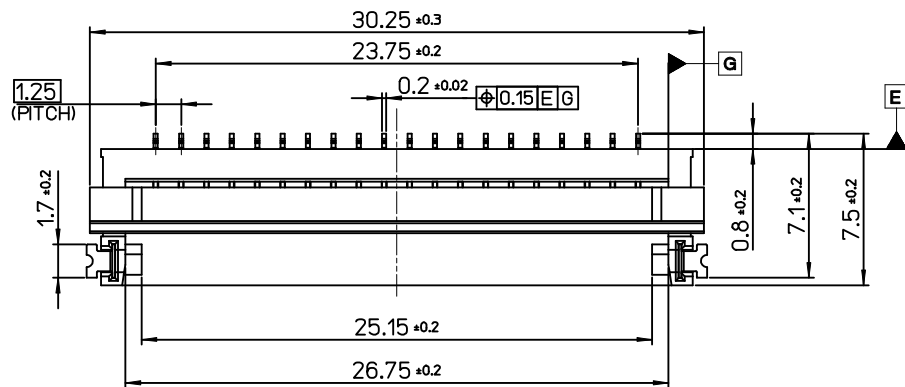
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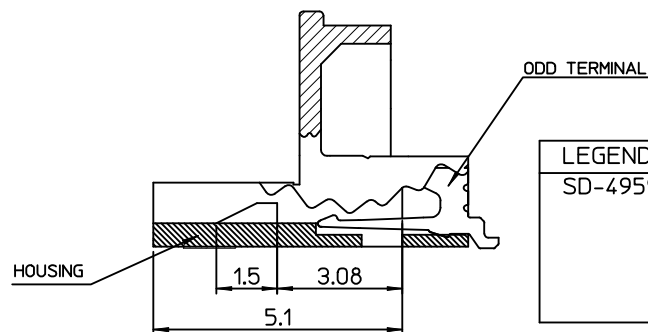
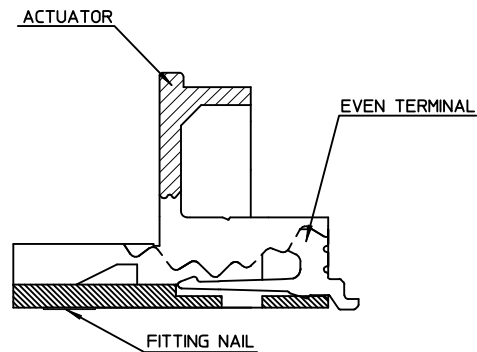
LEAD-FREE



ISOMETRIC VIEW



COPLANARITY : 0.08 MAX.

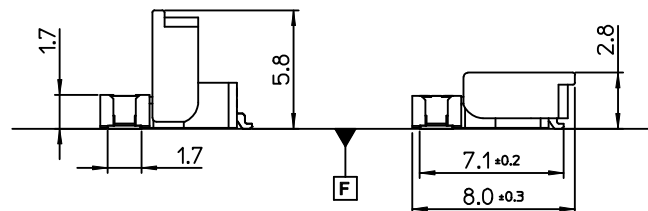


LEGEND

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 CHKD: YSOKIM APPR: YUNSIKIM	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					DRAWN BY JHLEE	DATE 2007/03/09	TITLE 1.25 FPC/FFC B/F CONN HOUSING ASS'Y 20P (BOTTOM CONTACT)						
					CHECKED BY KSKIM	DATE 2007/03/09							
					APPROVED BY YSOOKIM	DATE 2007/03/09							
					ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-49597-001		1 OF 3		
							SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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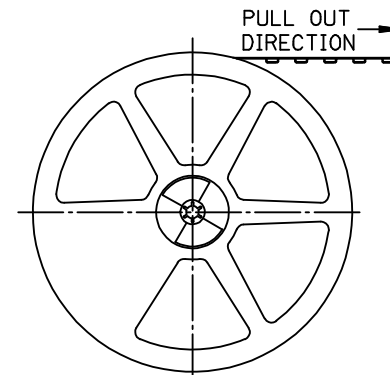
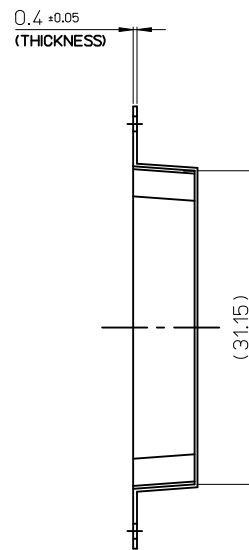
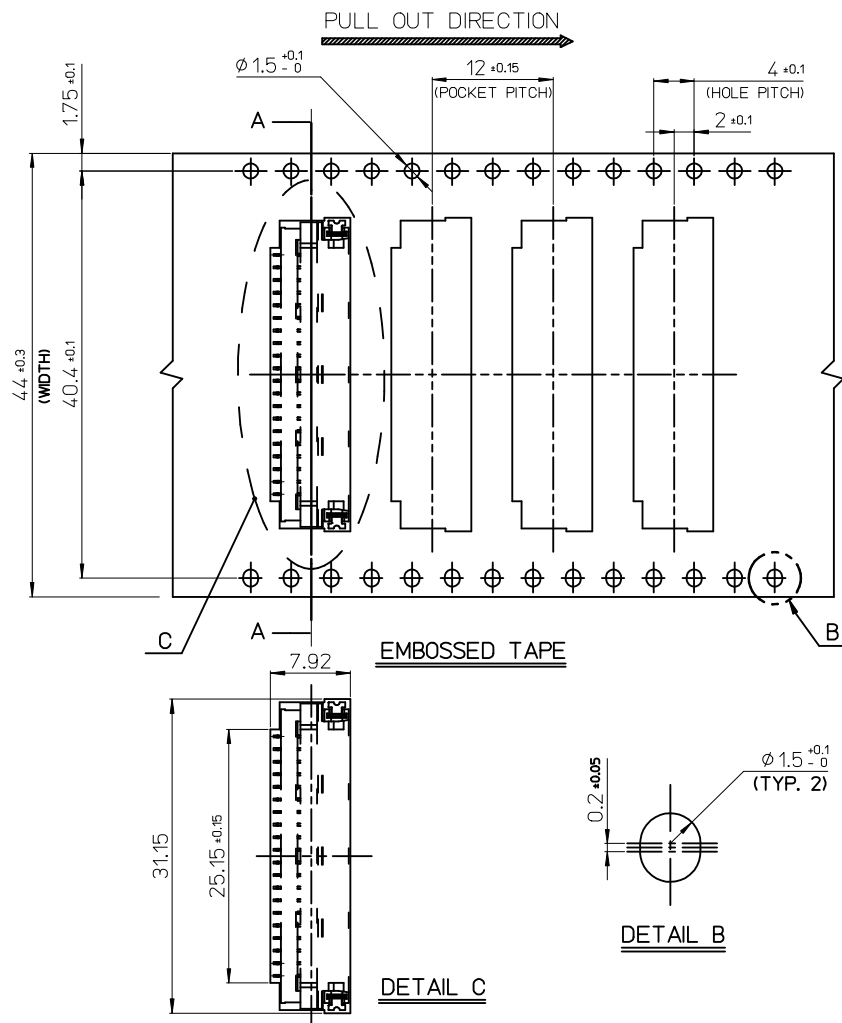
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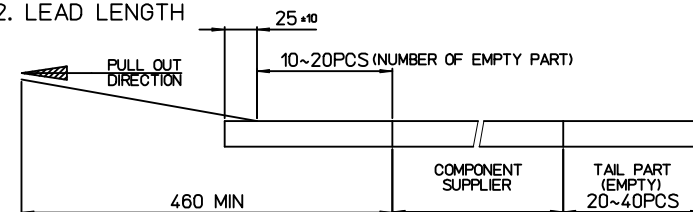
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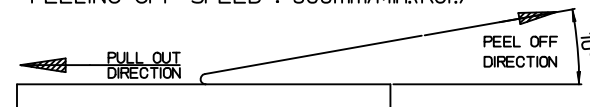
PLASTIC BOBBIN

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	EC NO: KOR2010-0012	2009/07/24	DRWN: HJEONG	2009/07/24	CHKD: YSOKIM	2009/07/24	APPR: YUNSIKKIM	2009/07/24
DESCRIPTION								QUALITY SYMBOLS
REV								DESCRIPTION

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	TITLE
JHLEE	2007/03/09	
CHECKED BY	DATE	
KSKIM	2007/03/09	
APPROVED BY	DATE	
YSOOKIM	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.				SHEET NO.
SD-49597-001				3 OF 3
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