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Part Number: [0513741072](#)
Status: **Active**
Description: 0.50mm (.020") Pitch Easy-On™ Type FFC/FPC Connector, Vertical, SMT, ZIF, 10 Circuits, Lead-free, Gold (Au) Plating Contact

Documents:

[3D Model](#) [Product Specification PS-51374-023 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series [51374](#)
Product Name Easy-On™

Physical

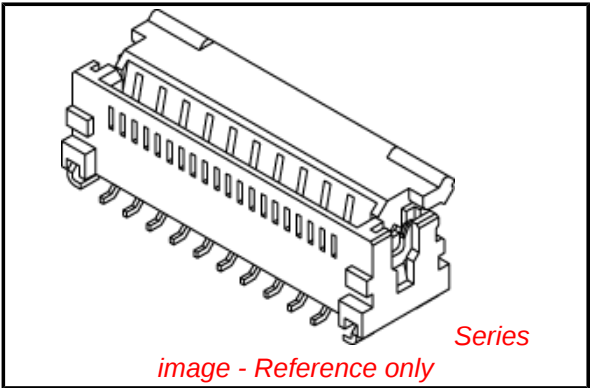
Circuits (Loaded) 10
Circuits (maximum) 10
Color - Resin Natural
Contact Position Top
Durability (mating cycles max) 20
Entry Angle Vertical
Mated Height (in) 0.159 In
Mated Height (mm) 4.05 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.019 In
PC Tail Length (mm) 0.47 mm
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
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) 4
Plating min: Mating (µm) 0.1
Plating min: Termination (µin) 40
Plating min: Termination (µm) 1
Polarized to PCB No
Stackable No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

Electrical

Current - Maximum per Contact 0.4A
Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers



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
[51374Series](#)

Product Specification

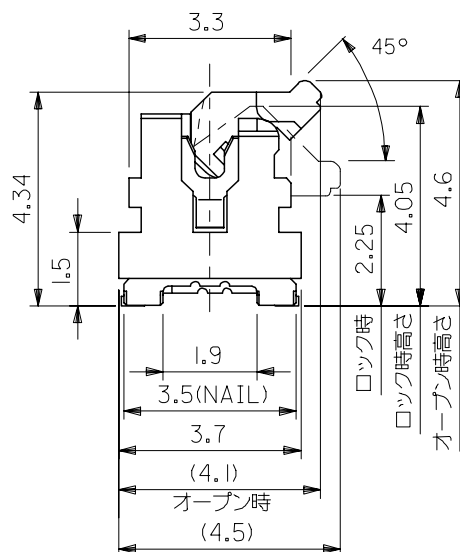
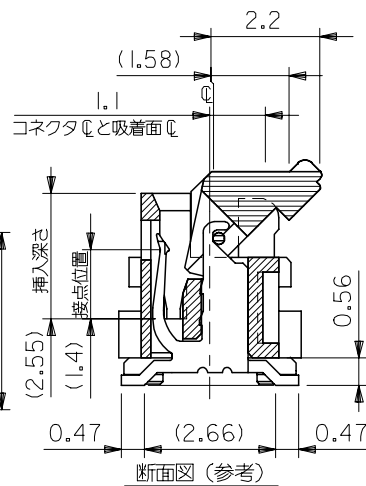
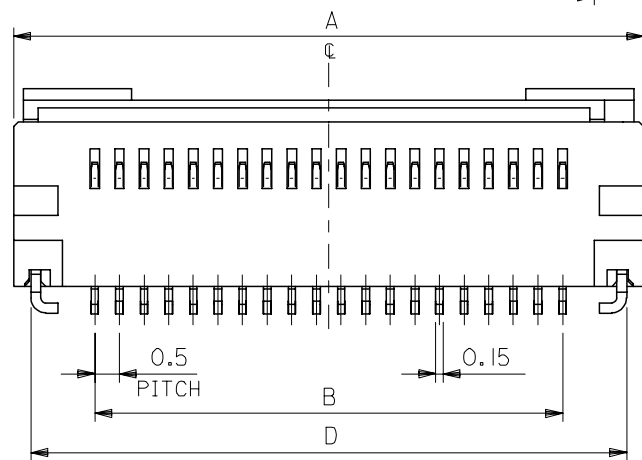
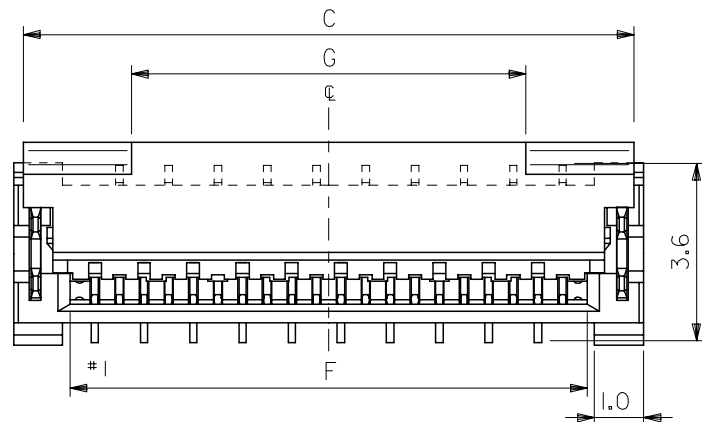
Sales Drawing

PS-51374-023, RPS-51374-035, RPS-51374-037,
RPS-51374-040, RPS-51374-041
SD-51374-026, SD-51374-027

This document was generated on 04/17/2010

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注記 NOTES:

1. 材質

MATERIAL

ハウジング: LCP (液晶ポリマー)、ガラス充填、白色、UL94V-0
HOUSING: LCP (LIQUID CRYSTAL POLYMER), GLASS FILLED, WHITE, UL94V-0
アクチュエータ: PPS、ガラス充填、茶色、UL94V-0
ACTUATOR: PPS (POLYPHENYLENE SULFIDE), GLASS FILLED, BROWN, UL94V-0
ターミナル: 銅合金 (t=0.15)
TERMINAL: COPPER ALLOY (t=0.15)
金具: 銅合金 (t=0.2)
NAIL: COPPER ALLOY (t=0.2)

2. メッキ仕様

PLATING

ターミナル

TERMINAL

接点部: 金メッキ 0.1μm 以上
CONTACT AREA: Au PLATING 0.1 MICROMETER MINIMUM.
テール部: 錫メッキ 1.0μm 以上
TAIL AREA: TIN PLATING 1.0 MICROMETER MINIMUM.
下地メッキ: ニッケルメッキ 1.0μm 以上
UNDER PLATING: NICKEL PLATING 1.0 MICROMETER MINIMUM.

金具

NAIL

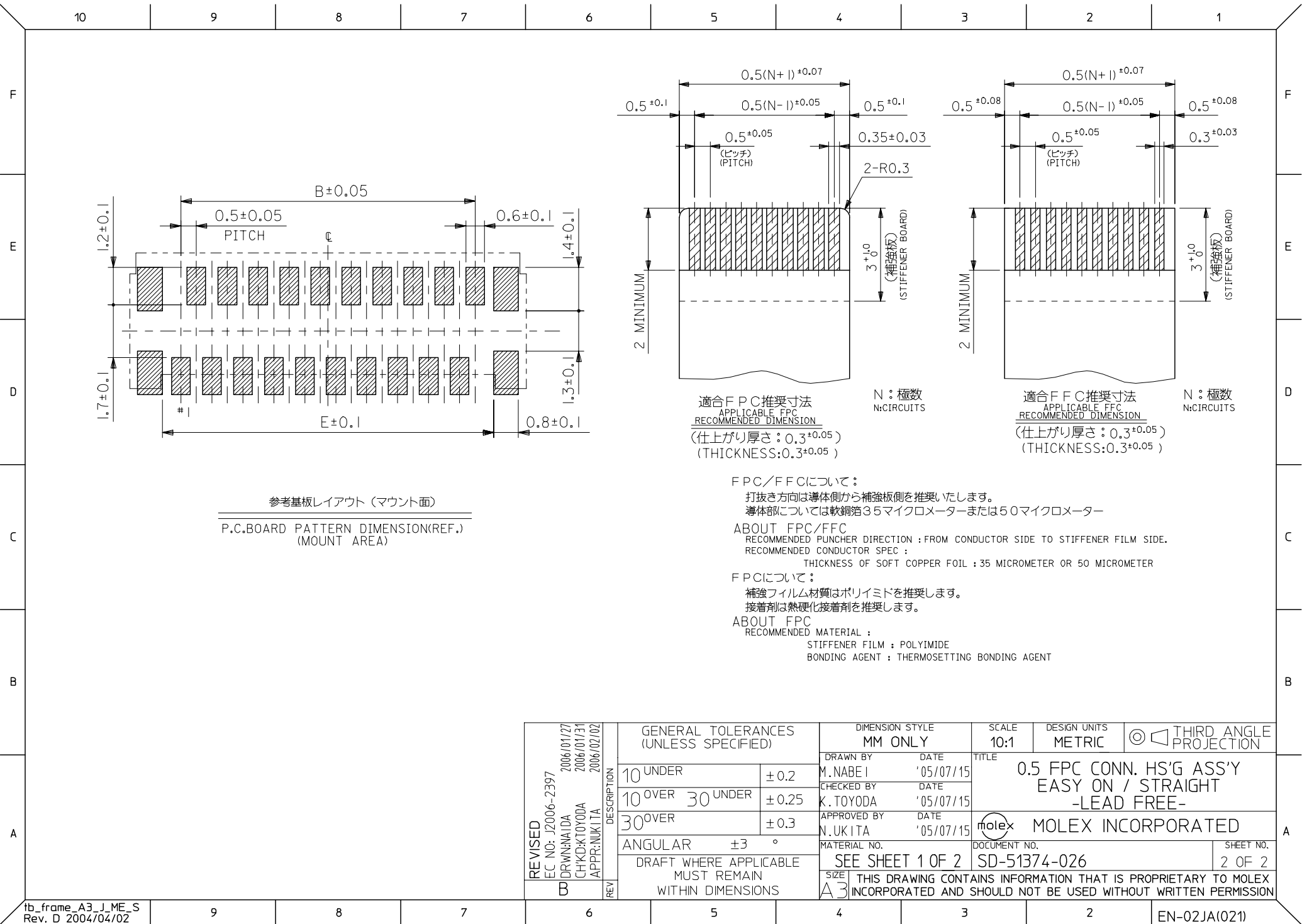
錫メッキ 1.0μm 以上
TIN PLATING 1.0 MICROMETER MINIMUM.
下地メッキ: ニッケルメッキ 1.0μm 以上
UNDER PLATING: NICKEL PLATING 1.0 MICROMETER MINIMUM.

3. テールと金具を併せた平坦度は、0.1ミリメートル以下。

TAILS AND NAILS COPLANARITY TO BE 0.1 MICROMETER MAXIMUM.

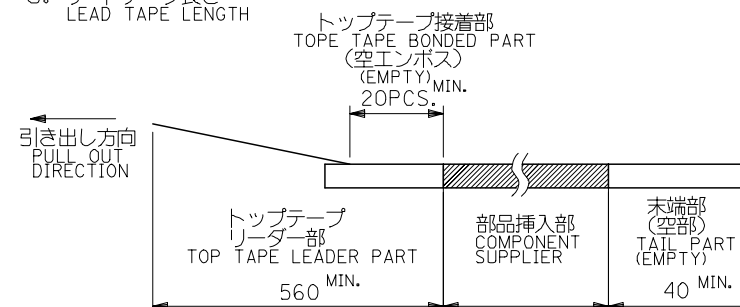
8	30.5	30.7	32.1	32.4	29.5	32.8	51374-6028	60
8	25.5	25.7	27.1	27.4	24.5	27.8	51374-5028	50
8	23.0	23.2	24.6	24.9	22.0	25.3	51374-4528	45
8	20.5	20.7	22.1	22.4	19.5	22.8	51374-4028	40
8	15.5	15.7	17.1	17.4	14.5	17.8	51374-3028	30
8	12.5	12.7	14.1	14.4	11.5	14.8	51374-2428	24
4.5	5.5	5.7	7.1	7.4	4.5	7.8	51374-1028	10
G	F	E	D	C	B	A	MATERIAL NO.	CIRCUITS

REVISED	EC NO: J2006-2397		DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						MM ONLY		10:1	METRIC			
				10 UNDER	± 0.2	DRAWN BY		DATE	TITLE 0.5 FPC CONN. HS'G ASS'Y EASY ON / STRAIGHT -LEAD FREE-			
				10 OVER 30 UNDER	± 0.25	CHECKED BY		DATE				
				30 OVER	± 0.3	APPROVED BY		DATE	 MOLEX INCORPORATED			
				ANGULAR ± 3 °	MATERIAL NO.		DOCUMENT NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51374-026		1 OF 2				
B		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



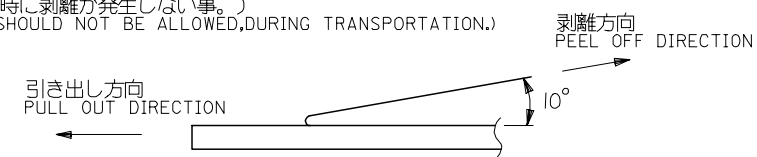
注)
NOTES

- 製品番号 51374-**28 詳細寸法については、製品単体図面を参照下さい。
IN THE PACKAGE PART NUMBER 51374-**28 DETAILED DIMENSIONS,
SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 2000個/リール
NUMBER OF CONNECTORS: 2000 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH



- トッテープの剥離強度: (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PELLING DIRECTION AS SHOWN IN FOLLOWING FIGURE.)
0. 1~1. 3N{ 10~130gf }

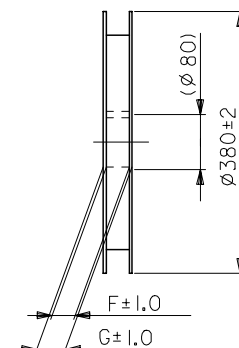
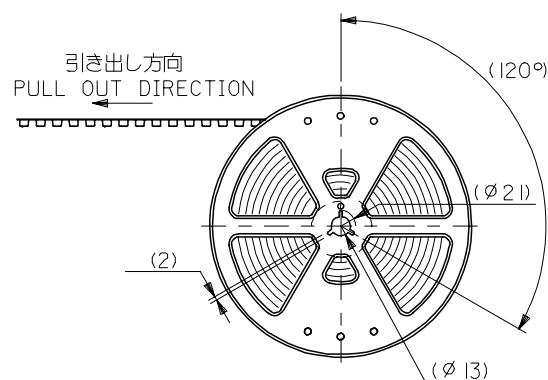
尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.)



- 材料
MATERIAL
キャリアテープ: ポリプロピレン (PP)
CARRIER TAPE: POLYPROPYLENE (PP)
トッテープ: PET, PE, PEF
TOP TAPE: PET, PE, PEF
リール: ポリスチレン
REEL: POLYSTYRENE

10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT DIRECTION



MODEL NO. 51374-**72

REVISED	EC NO: J2006-2397 DRAWN BY: ODAWANAIDA CHKD BY: TOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/15	TITLE 51374-**-28 TAPING PACKAGE -LEAD FREE-  MOLEX INCORPORATED				
			10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE '05/07/15					
			30 OVER	± 0.3	APPROVED BY N. UKITA	DATE '05/07/15					
			ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.	SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2 OF 2					SD-51374-027	
REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

