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Part Number: [5016162575](#)
Status: **Active**
Description: 0.30mm (.012") Pitch Easy-On™ Type FPC Connector, 1.10mm (.043") Mated Height, Right Angle, SMT, ZIF, Top Contact Style, 25 Circuits, Lead-free

Documents:

[3D Model](#) [Product Specification PS-501616-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
 Series [501616](#)
 Product Name Easy-On™

Physical

Circuits (Loaded) 25
 Color - Resin Black, Gray
 Contact Position Top
 Durability (mating cycles max) 10
 Entry Angle 90° Angle
 Mated Height (in) 0.043 In
 Mated Height (mm) 1.10 mm
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Number of Rows 1
 Orientation Right Angle
 PCB Locator No
 PCB Retention Yes
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.012 In
 Pitch - Mating Interface (mm) 0.30 mm
 Polarized to PCB Yes
 Stackable No
 Temperature Range - Operating -40°C to +85°C
 Termination Interface: Style Surface Mount
 Wire/Cable Type FPC only

Electrical

Current - Maximum per Contact 0.2A
 Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification PS-501616-002, RPS-501616-005, RPS-501616-009
 Sales Drawing SD-501616-005, SD-501616-006

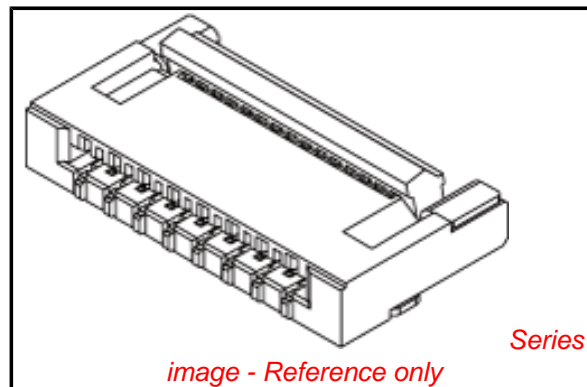


image - Reference only

EU RoHS

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

China RoHS

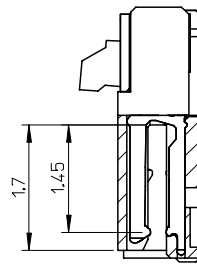
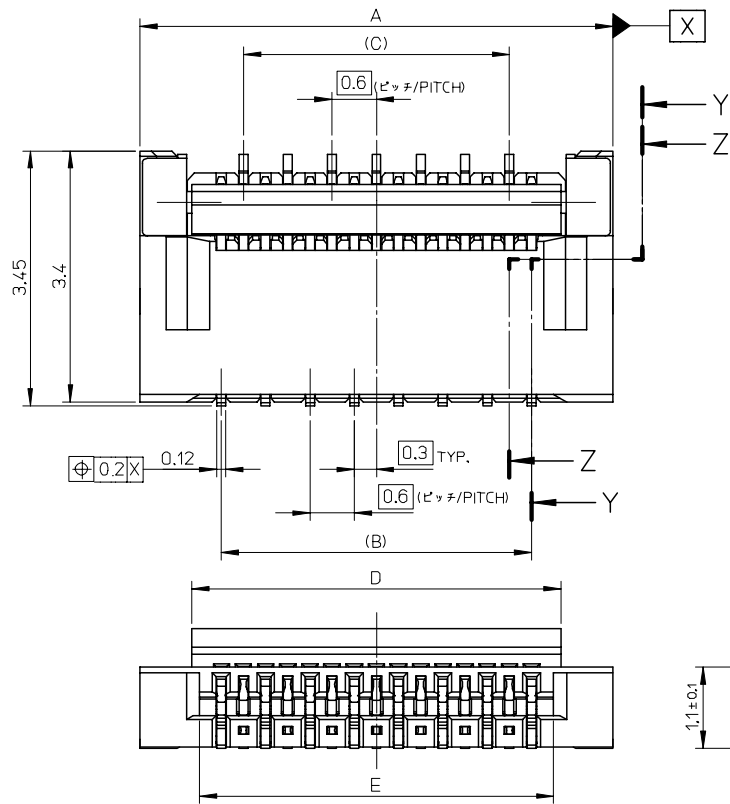


**Need more information on product
 environmental compliance?**

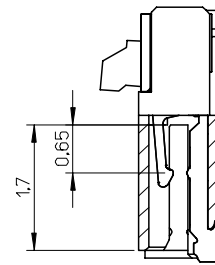
Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

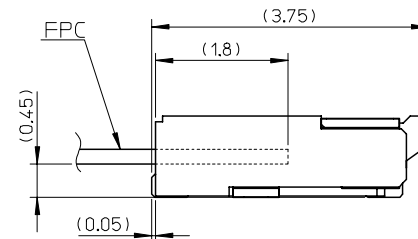
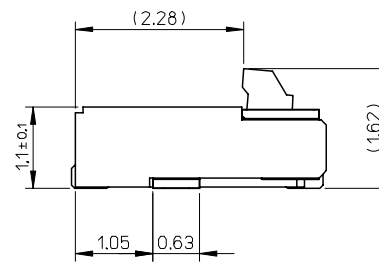
Search Parts in this Series
[501616Series](#)



SECTION Z-Z



SECTION Y-Y



ACTUATOR CLOSE

部品構成

1. ハウジング・・・材質：耐熱性樹脂 黒色 UL94V-0
HOUSING MATERIAL :HEAT RESISTANT POLYMER BLACK UL94-V0
2. 奇数ターミナル・・・材質：銅合金
ODD TERMINAL MATERIAL :COPPER ALLOY
処理：ニッケル下地部分金メッキ（接触部及びテール部）
FINISH :PARTLY GOLD(CONTACT,TAIL) OVER NICKEL PLATING
3. 偶数ターミナル・・・材質：銅合金
EVEN TERMINAL MATERIAL:COPPER ALLOY
処理：ニッケル下地部分金メッキ（接触部及びテール部）
FINISH :PARTLY GOLD(CONTACT,TAIL) OVER NICKEL PLATING
4. アクチュエータ・・・材質：耐熱性樹脂 灰色 UL94V-0
ACTUATOR MATERIAL :HEAT RESISTANT POLYMER GRAY UL94-V0
5. ネイル・・・材質：銅合金
NAIL MATERIAL:COPPER ALLOY
処理：ニッケル下地すずめっき
FINISH :TIN OVER NICKEL PLATING

9.0	9.2	7.8	8.4	10.6	501616-2940	29
8.4	8.6	7.2	7.8	10.0	501616-2740	27
7.8	8.0	6.6	7.2	9.4	501616-2540	25
6.0	6.2	4.8	5.4	7.6	501616-1940	19
E	D	(C)	(B)	A	MATERIAL NO.	CIRCUIT

RELEASED EC NO: J2007-0951 DRW:KUSATO 2007/05/22 CHK:DHIRATA 2007/05/22 APPR:HIRATA 2007/05/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY K.TAKAHASHI		DATE 2006/07/28	TITLE 0.3 FPC CONN. ZIF E/O HSG ASSY (H=1.1)	
	10 OVER 30 UNDER	±0.25	CHECKED BY H.HIRATA		DATE 2006/07/28	MOLEX INCORPORATED	
	30 OVER	±0.3	APPROVED BY M.SASAO		DATE 2006/07/28		
0	ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO. SD-501616-005	SHEET NO. 1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

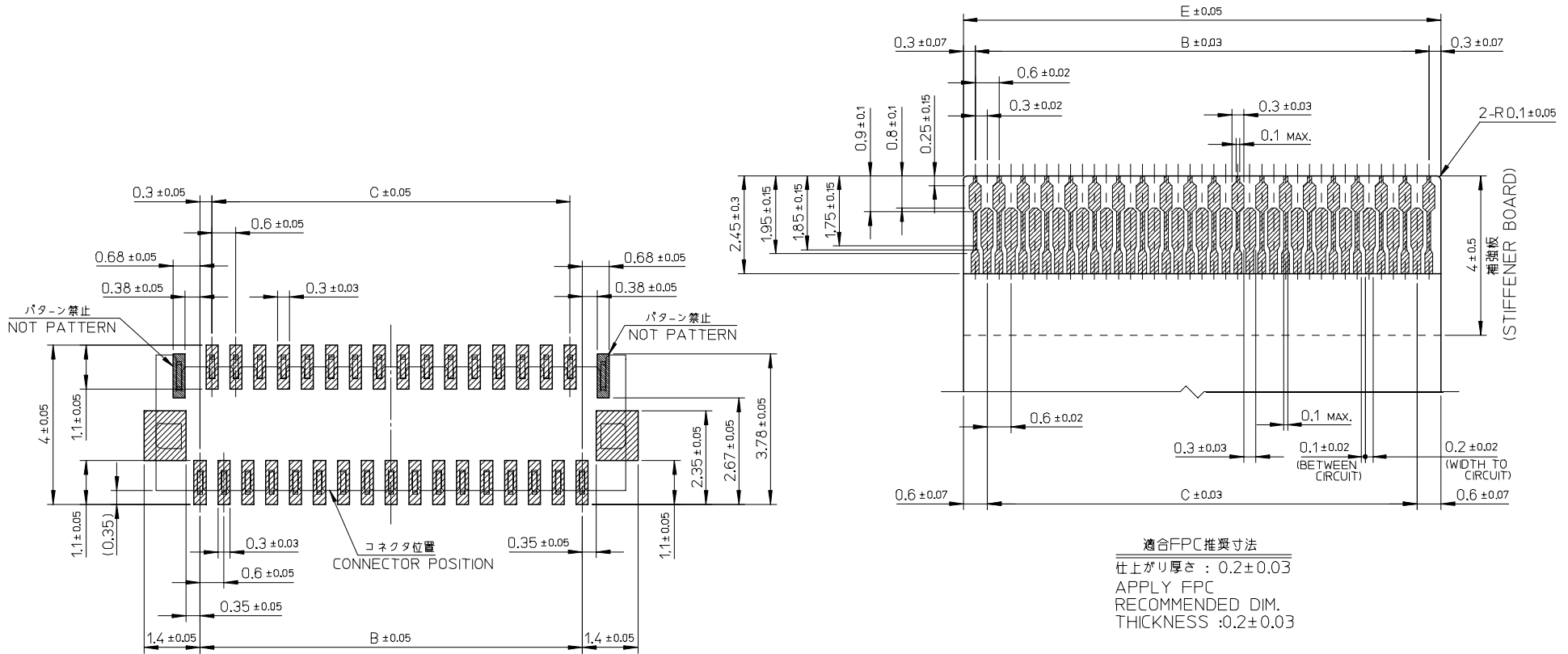
E

D

C

B

A



参考基板レイアウト(マウント面)
 P.C.BOARD PATTERN
 DIM.(REF.)

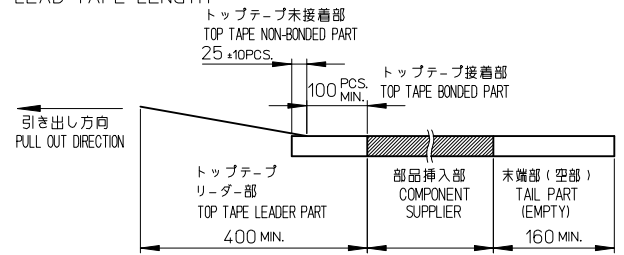
注記

- 基板実装前にアクチュエータを操作しないで下さい。
 PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.
 必ず基板に実装し、FPCを挿入してからアクチュエータを操作して下さい。
 PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON
 THE SUBSTRATE,AND MATING FPC.
- ELV及びRoHS適合品
 ELV AND RoHS COMPLIANT

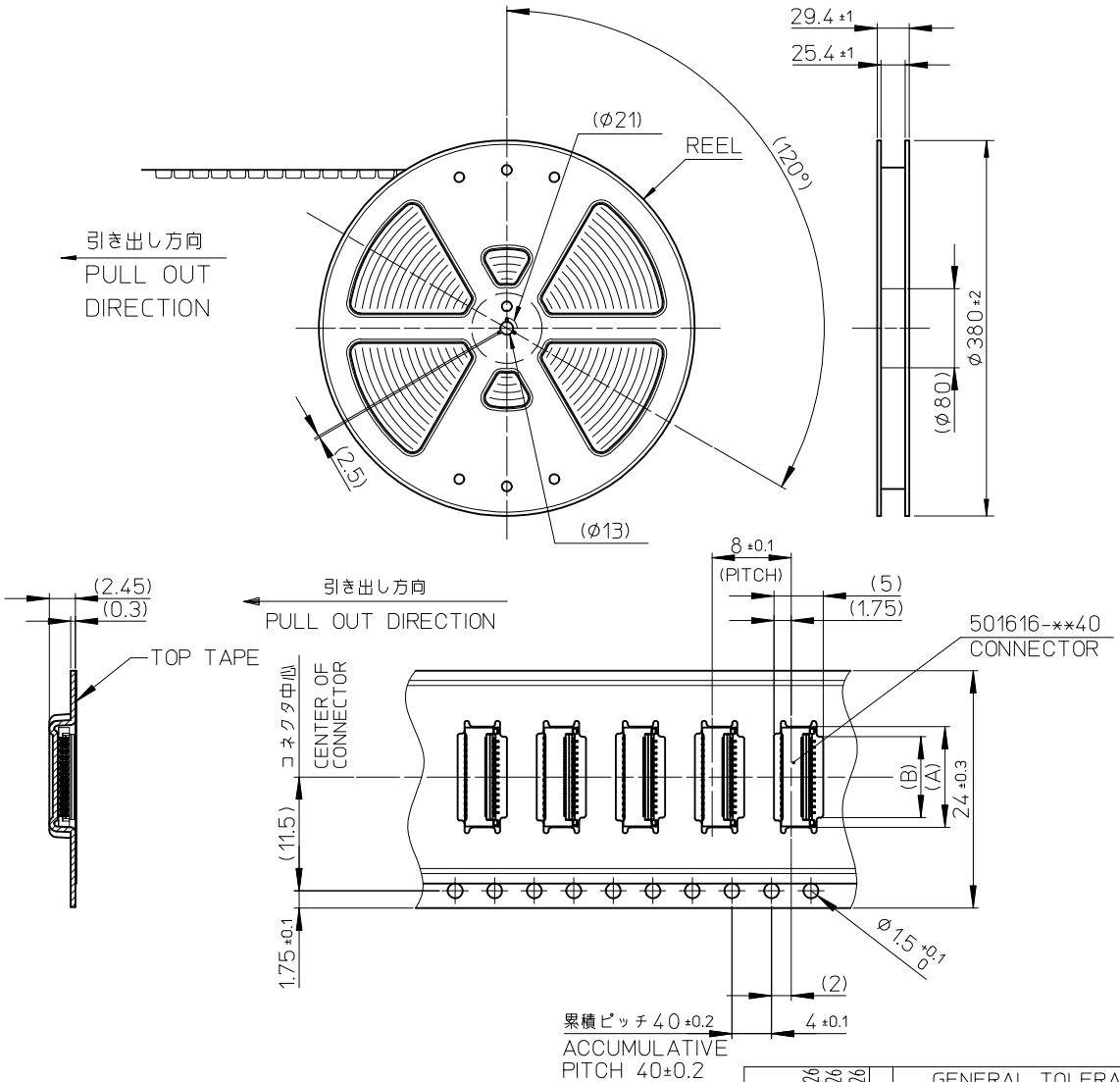
RELEASED EC No: J2007-0951 DRWN:KUSATO CHKD:HIRATA APPR:HIRATA 2007/05/22 2007/05/22 2007/05/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	± 0.2	DRAWN BY K.TAKAHASHI	DATE 2006/07/28	TITLE 0.3 FPC CONN. ZIF E/0 HSG ASSY (H=1.1)			
	10 OVER 30 UNDER	± 0.25	CHECKED BY H.HIRATA	DATE 2006/07/28	MATERIAL NO. SD-501616-005			
	30 OVER	± 0.3	APPROVED BY M.SASAO	DATE 2006/07/28	SHEET NO. 2 OF 2			
	ANGULAR	± 3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SD-501616-005	

NOTES

- 製品 (501616-**40) の詳細寸法については、
図面 SD-501616-005 をご参照下さい。
IN THE PACKAGE, PART NO. 501616-**40 DETAILED DIMENSIONS,
REFER TO SALES DRAWING NO. SD-501616-005.
- 梱包数量 : 3000個/リール
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- 材料
キャリアテープ : ポリスチレン (PS)
トップテープ : PET, PE, PEF
リール : ポリスチレン (PS) <リサイクル材を含む>
MATERIAL
CARRIER TAPE : POLYSTYRENE (PS)
TOP TAPE : PET, PE, PEF
REEL : POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT



8.8	10.8	501616-2975	29
8.2	10.2	501616-2775	27
7.6	9.6	501616-2575	25
5.8	7.8	501616-1975	19
B	A	EMBOSSED PACKAGE	極数
		オーダー番号 ORDER No.	CIRCUIT

エンボステープ内の製品の向き
DIRECTION OF CONNECTOR IN EMBOSSED TAPE

REVISED	EC NO. J2009-1784	DRWN:MKAWABATA 2009/01/26	CHKD:HSHINOYAMA 2009/01/26	APPR:HSHINOYAMA 2009/01/26	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	± ---	10 OVER 30 UNDER	± ---	30 OVER	± ---	DRAWN BY K. TAKAHASHI	DATE 2006/7/28	TITLE 0.3 FPC CONN. B/F EMBSTP PKG H=1.1
	ANGULAR ± --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	SEE CHART	APPROVED BY M. SASAO	DATE 2006/7/28	MOLEX MOLEX INCORPORATED
	A	REV	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. SD-501616-006	SHEET NO. 1 OF 1	