

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5016164585
Status: Active
Description: 0.30mm (.012") Pitch Easy-On™ Type FPC Connector, 1.10mm (.043") Mated Height, Right Angle, SMT, ZIF, Top Contact Style, 45 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-501616-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	501616
Product Name	Easy-On™
Physical	
Circuits (Loaded)	45
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-501616-003, RPS-501616-004, RPS-501616-008, RPS-501616-009
Sales Drawing	SD-501616-007, SD-501616-008

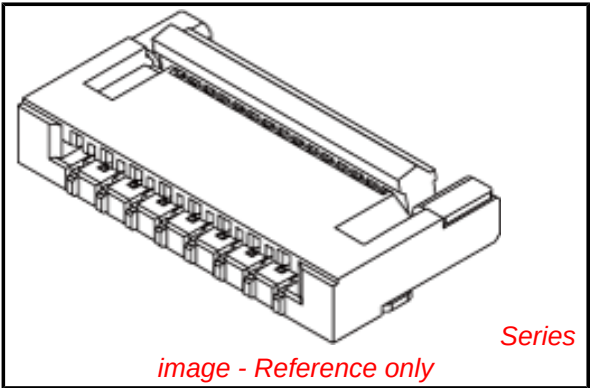


image - Reference only

EU RoHS

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

China RoHS



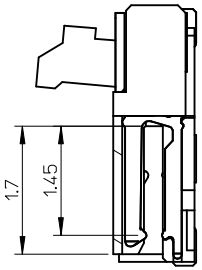
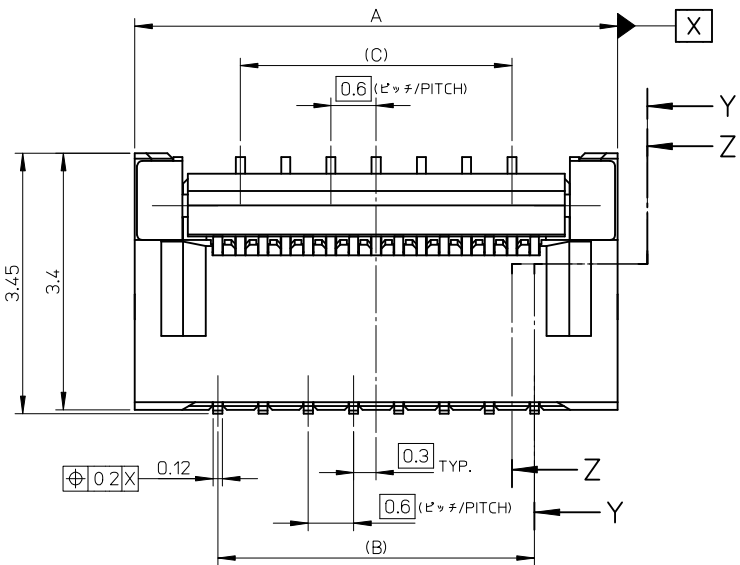
**Need more information on product
environmental compliance?**

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

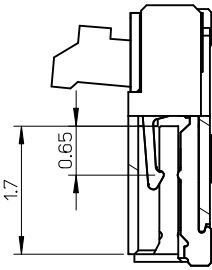
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
501616Series

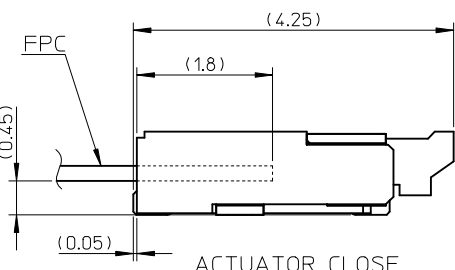
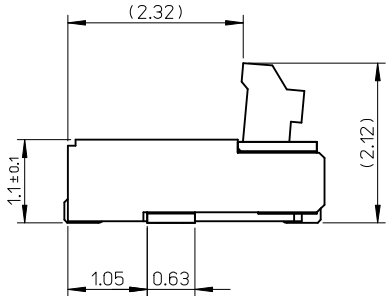
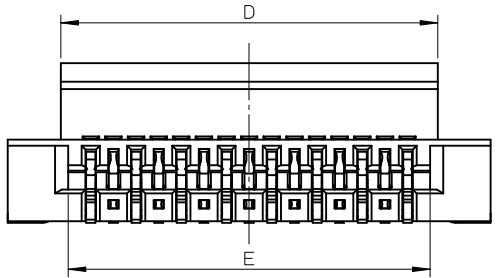
CONFIDENTIAL



SECTION Z-Z



SECTION Y-Y



ACTUATOR CLOSE

部品構成

- ハウジング・・・材質：耐熱性樹脂 黒色 UL94V-0
HOUSING MATERIAL :HEAT RESISTANT POLYMER BLACK UL94-V0
- 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
- 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
- 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
- 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

REVISED
EC NO: J2009-1320
DRAWN: TAKAHASHI 2008/11/21
CHKD: THARUYAMA 2008/11/21
APPR: NUKITA 2008/11/21
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	± 0.2
10 OVER 30 UNDER	± 0.25
30 OVER	± 0.3
ANGULAR	± 3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

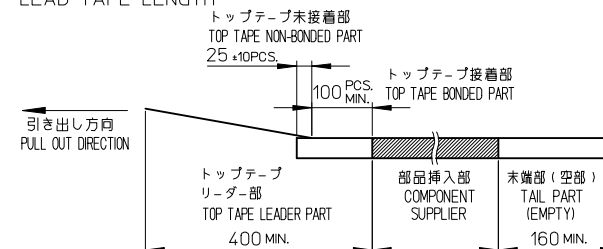
DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
K.SATO	2007/01/26
CHECKED BY	DATE
H.HIRATA	2007/01/26
APPROVED BY	DATE
M.SASAO	2007/01/26
MATERIAL NO.	
SEE CHART	
SIZE	A3

SCALE 15:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE			
0.3 FPC CONN. E/O H=1.1 HSG ASSY LONG ACTUATOR			
 MOLEX INCORPORATED			
DOCUMENT NO.		SHEET NO.	
SD-501616-007		1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1

NOTES

- 製品 (501616-**50) の詳細寸法については、図面 SD-501616-007 をご参照下さい。
IN THE PACKAGE, PART NO. 501616-**50 DETAILED DIMENSIONS, REFER TO SALES DRAWING NO. SD-501616-007.
- 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

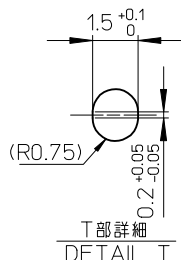
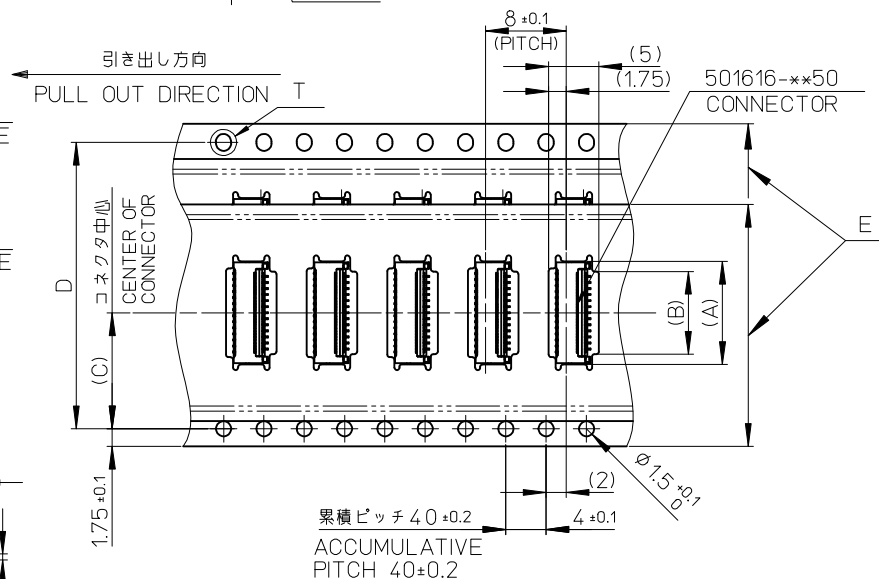
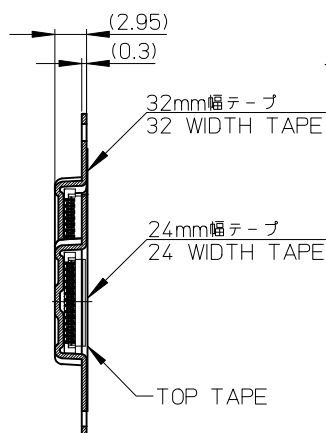
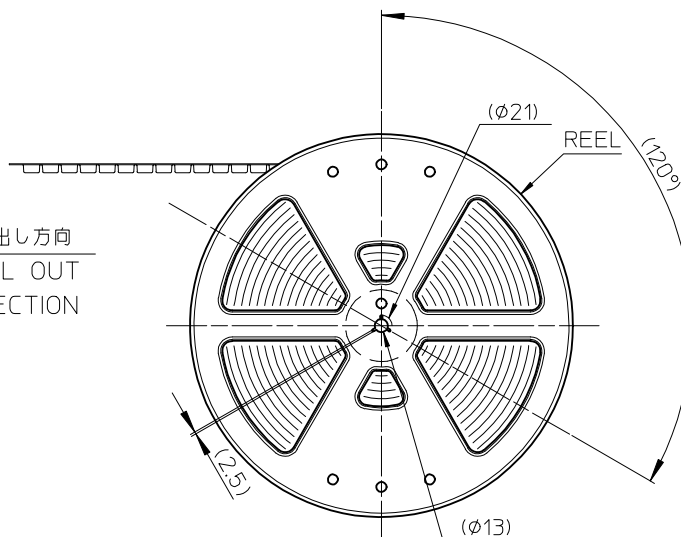
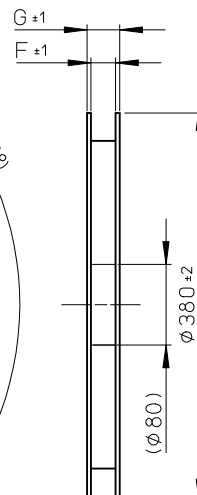


- 材料
キャリアテープ : ポリスチレン (PS)
トップテープ : PET, PE, PEF
リール : ポリスチレン (PS) <リサイクル材を含む>

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

37.4	33.4	32±0.3	28.4	14.2	15.4	17.4	501616-5185	51
29.4	25.4	24±0.3	11.5	13.6	15.6	501616-4585	45	
				12.4	14.4	501616-4185	41	
				11.8	13.8	501616-3985	39	
				10.6	12.6	501616-3585	35	
G	F	E キャリアテープ幅 EMBOSSED TAPE WIDTH	D	C	B	A	EMBOSSED PACKAGE	極数 CIRCUIT
							オーダー番号 ORDER No.	



REVISED EC NO.: J2009-1784 DRAWN:MKAWABATA 2009/01/26 CHKD:HSHINOYAMA 2009/01/26 APPR:HSHINOYAMA 2009/01/26	DESCRIPTION REV C	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER ± ---	DRAWN BY K. SATO	DATE 2007/05/14	TITLE 0.3 FPC CONN. H=1.1 EMBSTP PKG (LONG-ACT)			
		10 OVER 30 UNDER ± ---	CHECKED BY H. HIRATA	DATE 2007/05/14				
		30 OVER ± ---	APPROVED BY M. SASAO	DATE 2007/05/14	 MOLEX INCORPORATED			
		ANGULAR ± --- °	MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-501616-008		1 OF 1

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