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Part Number: **5019517010**
Status: **Active**
Description: 0.50mm (.020") Pitch Easy-On™ FFC/FPC Connector, Vertical, SMT, Gold Plating, 70 Circuits

Documents:

[3D Model](#) [Product Specification PS-501951-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series **501951**
Product Name Easy-On™

Physical

Circuits (Loaded) 70
Circuits (maximum) 70
Color - Resin Brown, Natural
Contact Position N/A
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 Gold
Number of Rows 1
Orientation Vertical
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
Polarized to PCB No
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

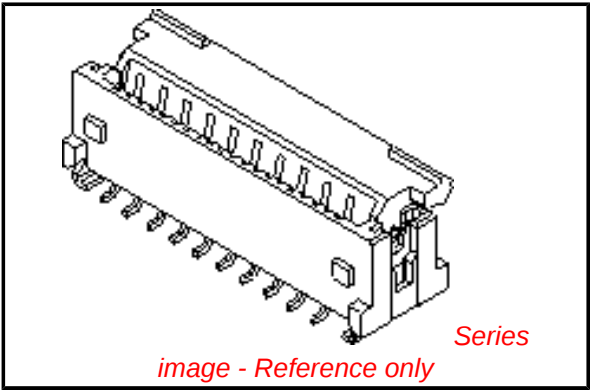
Electrical

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

Material Info

Reference - Drawing Numbers

Product Specification PS-501951-002, RPS-501951-001, RPS-501951-007,
RPS-501951-009, RPS-501951-011, RPS-501951-015
Sales Drawing SD-501951-003, SD-501951-004



Series
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
501951Series

F

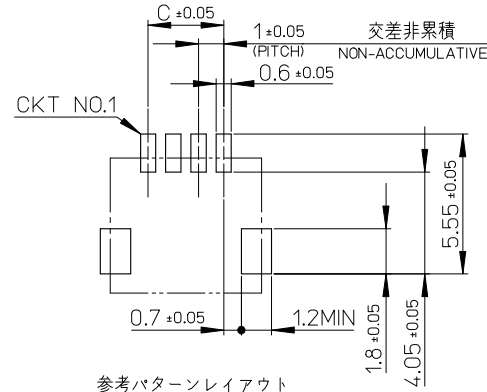
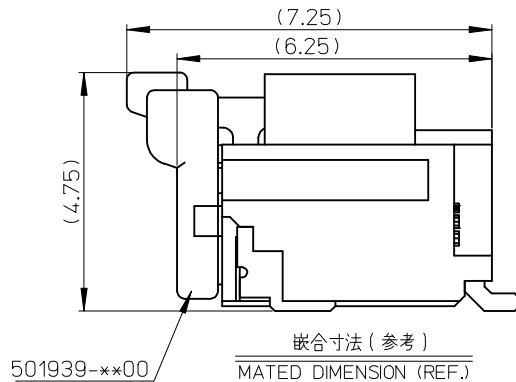
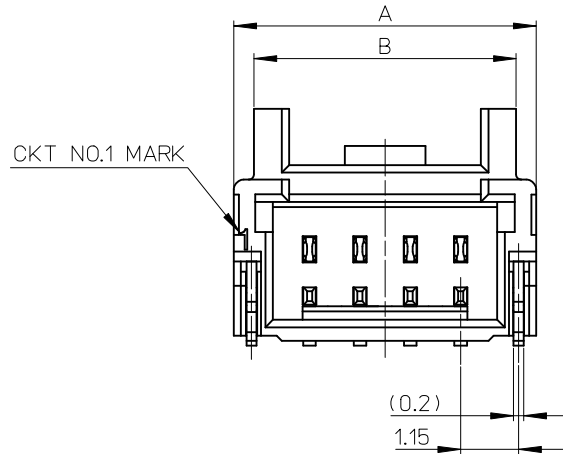
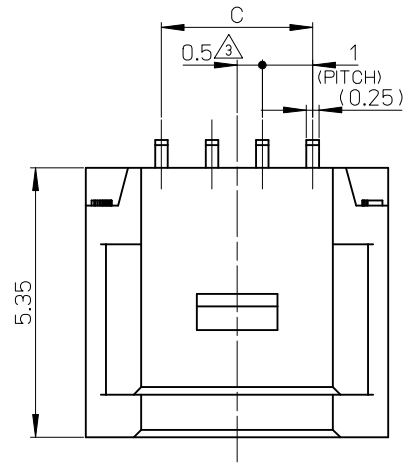
E

D

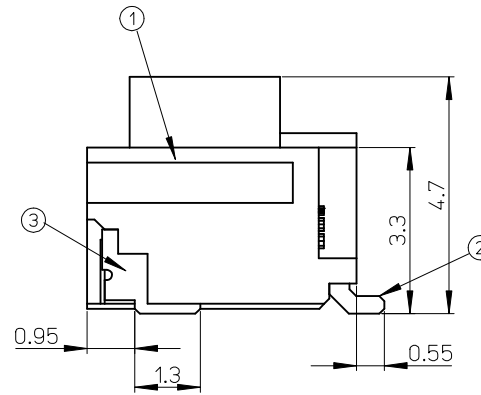
C

B

A



参考パターンレイアウト
RECOMMENDED PATTERN DIM. (REF)
SCALE 5:1



番号 NO.	部品 PART	材質 MATERIAL
①	ウエハー WAFER	耐熱ナイロン樹脂 UL94V-0 色:表参照 ⑤ HEAT RESISTANCE NYLON .COLOR:SEE TABLE UL94V-0
②	ソルダーピン SOLDER PIN	りん青銅 PHOSPHOR BRONZE 錫メッキ: 1.0 μmMIN. TIN ニッケルメッキ (下地): 1.0 μmMIN. NICKEL(UNDER PLATING)
③	ネイル NAIL	黄銅 BRASS 錫メッキ: 1.0 μmMIN. TIN ニッケルメッキ (下地): 1.0 μmMIN. NICKEL(UNDER PLATING)

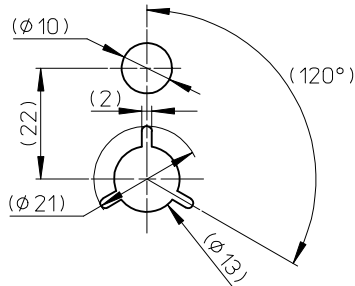
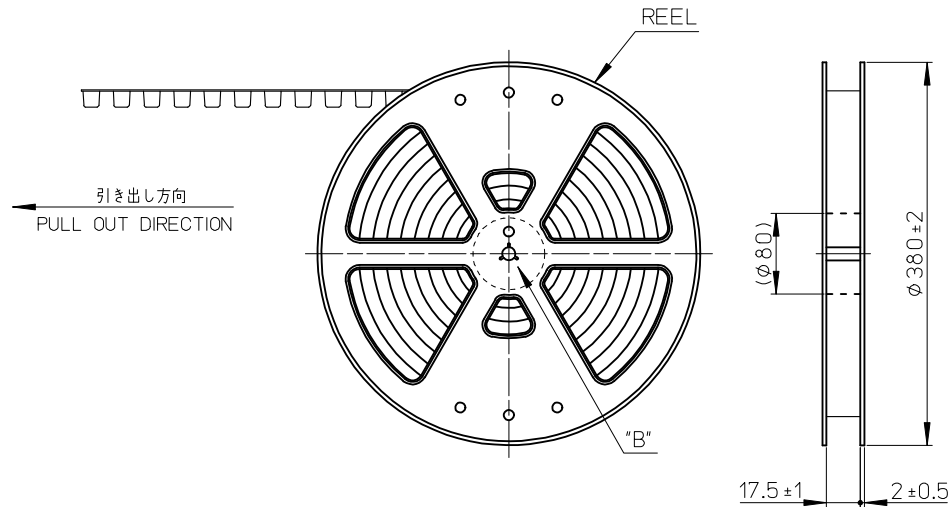
NOTES.

- 嵌合相手: 501939-****
MATE WITH: 501939-****
- ソルダーピン及びネイル平坦度は、0.1MAX.
SOLDER PIN AND NAIL COPLANARITY TO BE 0.1MAX.
- △ 極数=偶数に適用
APPLY FOR CKT SIZE=EVEN
- 4.ELV AND RoHS COMPLIANT.

4.0	5.2	7.0	5
3.0		6.0	4
2.0	4.2	5.0	3
C	B	A	極数 CIRCUITS

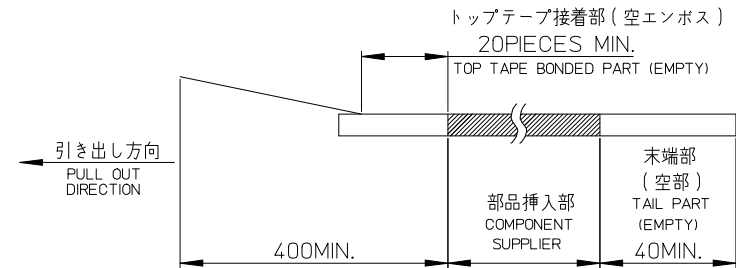
REVISED	EC NO: J2010-0339 DRWN: TNAKAWA01 2009/09/01 CHKD: HWATSUMOTO 2009/09/01 APPR: HIRATA 2009/09/01	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 UNDER	± 0.2	DRAWN BY NYOSHIDA	DATE 2005/09/16	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y 1-ROW R/A POSI-LOCK			
			10 OVER 30 UNDER	± 0.25	CHECKED BY AMIZUMURA	DATE 2005/09/16				
			30 OVER	± 0.3	APPROVED BY MYAGI	DATE 2005/09/16	 MOLEX INCORPORATED			
			ANGULAR ±3 °		MATERIAL NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-501953-001		1 OF 2	
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			REV							

[illegible]



NOTES

- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量: 1300個/リール
NUMBER OF CONNECTORS: 1300PIECES/REEL
- リードテープ長さ
LEAD TAPE LENGTH



4. 材料

MATERIAL

キャリアテープ: ポリスチレン

CARRIER TAPE: POLYSTYRENE

トップテープ: PET、その他

TOP TAPE: PET, OTHER

リール: ポリスチレン<リサイクル材を含む>

REEL: POLYSTYRENE <RECYCLE MATERIAL CONTAINED>

5. ELV AND RoHS COMPLIANT.

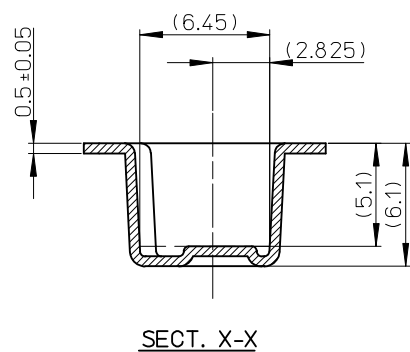
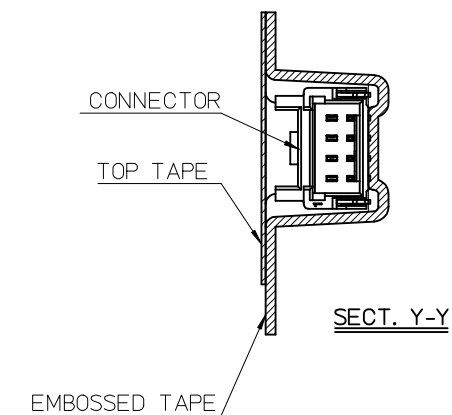
6. ハイバリア梱包 (シリカゲル入り) 対応品である。(501953-**07除く)

THIS PRODUCT IS HIGH BARRIER PACKAGE.(WITH SILICAGEL)
(BESIDES 501953-**07)

7. 開梱後の保管条件に注意のこと。(ハイバリア品対象: PS-501940-001参照)

REFER TO PS-501940-001(HIGH BARRIER PRODUCT)
FOR CONDITIONS AFTER OPEN.

REVISED	EC NO: J2010-0339	DRWN: TNAKAGAWA01	2009/09/01	CHKD: HIRATA	2009/09/01	APPR: HIRATA	2009/09/01	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
									10 UNDER	± 0.2	DRAWN BY	DATE	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y 1-ROW R/A EMBSTP PKG				
									10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
									30 OVER	± 0.3	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
									ANGULAR ±3 °		MATERIAL NO.						
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-501953-002		1 OF 3		
G								REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



7.3	5
6.3	4
5.3	3
(A)	極数 CIRCUITS

CONNECTOR SERIES No. 501953-***9

REVISED	EC NO: J2010-0339 DRAWN: TNAKAGAWA01 2009/09/01 CHKD: MATSUMOTO 2009/09/01 APPR: HIRATA 2009/09/01	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-501953-002		2 OF 3		
REV	G				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

