

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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 \(PDF\)](#)

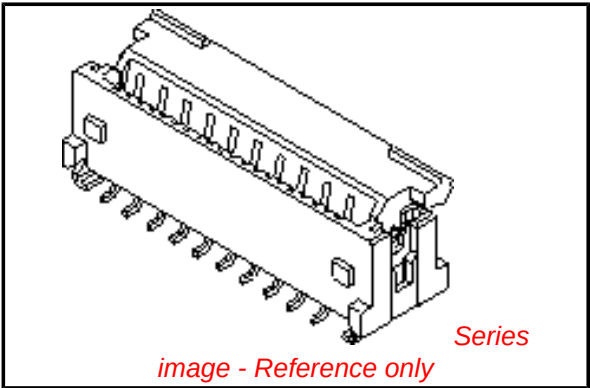
General	
Product Family	FFC/FPC Connectors
Series	501951
Product Name	Easy-On™
Physical	
Circuits (Loaded)	70
Circuits (maximum)	70
Color - Resin	Brown, Natural
Contact Position	N/A
Durability (mating cycles max)	20
Entry Angle	Vertical
Mated Height (in)	0.159 In
Mated Height (mm)	4.05 mm
Material - 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



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

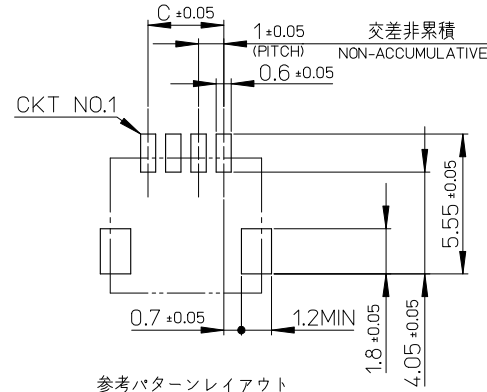
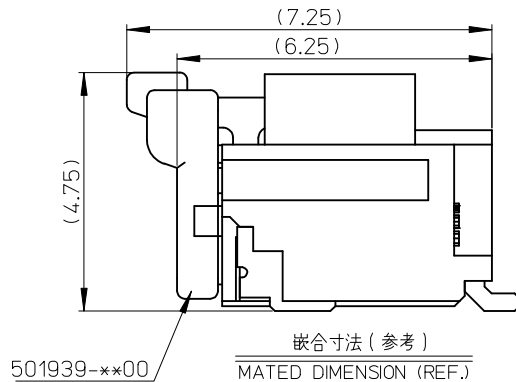
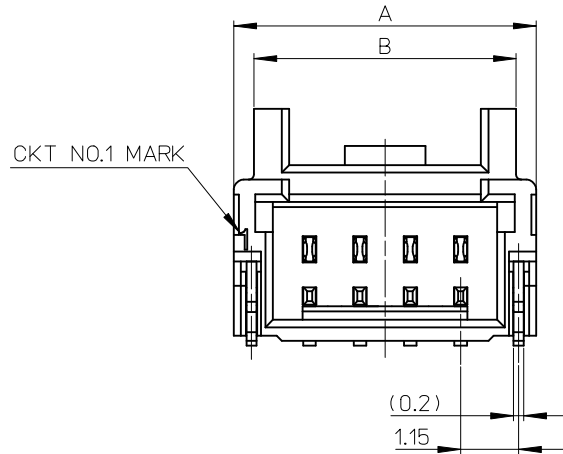
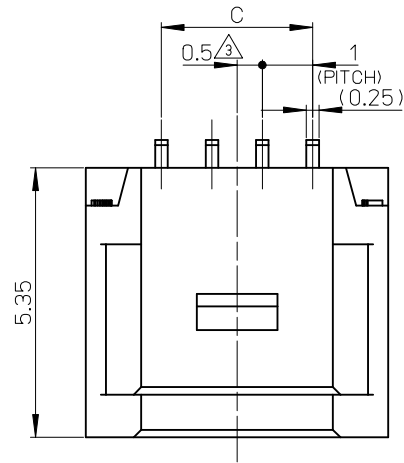
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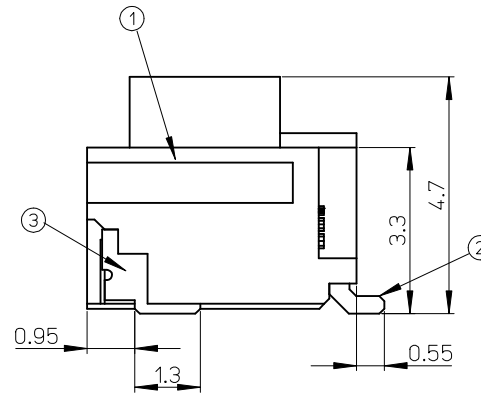
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参考パターンレイアウト
RECOMMENDED PATTERN DIM. (REF)
SCALE 5:1



NOTES.

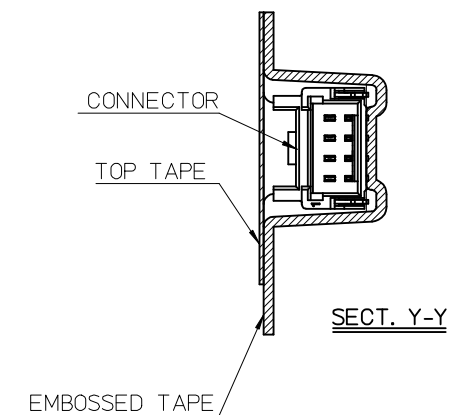
1. 嵌合相手: 501939-****
MATE WITH: 501939-****
2. ソルダーピン及びネイル平坦度は、0.1 MAX.
SOLDER PIN AND NAIL COPLANARITY TO BE 0.1 MAX.
- △ 極数=偶数に適用
APPLY FOR CKT SIZE=EVEN
4. ELV AND RoHS COMPLIANT.

番号 NO.	部品 PART	材質 MATERIAL
①	ウェハー 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 μm MIN. TIN ニッケルメッキ (下地): 1.0 μm MIN. NICKEL (UNDER PLATING)
③	ネイル NAIL	黄銅 BRASS 錫メッキ: 1.0 μm MIN. TIN ニッケルメッキ (下地): 1.0 μm MIN. NICKEL (UNDER PLATING)

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				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No. 501953-***9	
EC NO: J2010-0339 DRWN: TNAKAWA01 2009/09/01 CHKD: MATSUMOTO 2009/09/01 APPR: HIRATA 2009/09/01				10 UNDER ±0.2		DRAWN BY DATE NYOSHIDA 2005/09/16		SCALE 10:1 DESIGN UNITS METRIC	
				10 OVER 30 UNDER ±0.25		CHECKED BY DATE AMIZUMURA 2005/09/16		THIRD ANGLE PROJECTION	
				30 OVER ±0.3		APPROVED BY DATE MYAGI 2005/09/16		1.0 WIRE TO BOARD CONN. WAFER ASS'Y 1-ROW R/A POSI-LOCK	
				ANGULAR ±3 °		MATERIAL NO.		MOLEX INCORPORATED	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		DOCUMENT NO. SD-501953-001	
						SIZE A3		SHEET NO. 1 OF 2	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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					紫 PA46 VIOLET		橙 PA46 ORANGE		茶 PA46 BROWN		緑 PA46 GREEN		色 COLOR								
					501953-0597		501953-0587		501953-0577		501953-0567		5								
					501953-0497		501953-0487		501953-0477		501953-0467		4								
					501953-0397		501953-0387		501953-0377		501953-0367		3								
					EMBOSSSED PACKAGE		EMBOSSSED PACKAGE		EMBOSSSED PACKAGE		EMBOSSSED PACKAGE		極数								
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CONNECTOR SERIES No. 501953-***9																					
					青 PA46 BLUE		黄 PA46 YELLOW		赤 PA46 RED		黒 PA46 BLACK		自然色 PA6T NATURAL		色 COLOR						
					501953-0547		501953-0537		501953-0527				501953-0507		5						
					501953-0447		501953-0437		501953-0427		501953-0417		501953-0407		4						
					501953-0347		501953-0337		501953-0327		501953-0317		501953-0307		3						
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					ANGULAR		± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 2 OF 2								
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			10 OVER 30 UNDER	± 0.25	CHECKED BY AMI ZUMURA	DATE 2005/09/16			
			30 OVER	± 0.3	APPROVED BY MYAGI	DATE 2005/09/16			
			ANGULAR ±3 °		MATERIAL NO.		 MOLEX INCORPORATED	DOCUMENT NO. SD-501953-002	SHEET NO. 2 OF 3
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3				
			REV	G	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.