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Part Number: [5017863092](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC-to-Board Connector, Receptacle Housing Assy, Vertical, SMT, without Grounding terminals, 30 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-501786-004 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series [501786](#)
Comments without Grounding terminals
Overview [ffc_fpc_smt](#)
Product Name N/A

Physical

Circuits (Loaded) 30
Color - Resin Black
Contact Position N/A
Durability (mating cycles max) 20
Entry Angle Vertical
Mated Height (in) 0.352 In
Mated Height (mm) 8.95 mm
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 1
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC only

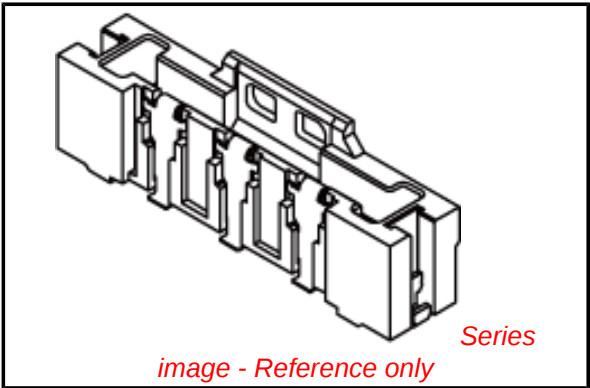
Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-501786-001
Product Specification PS-501786-004, RPS-501786-001
Sales Drawing SD-501786-006, SD-501786-007



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

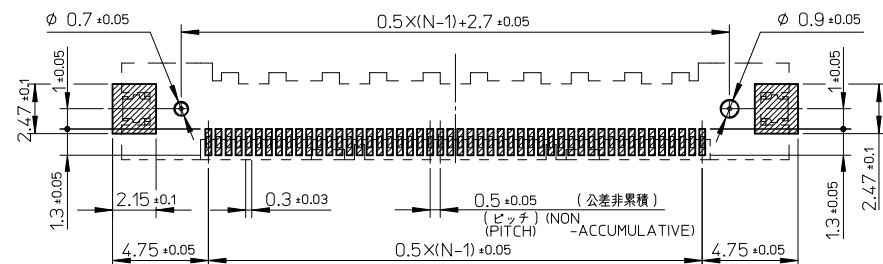
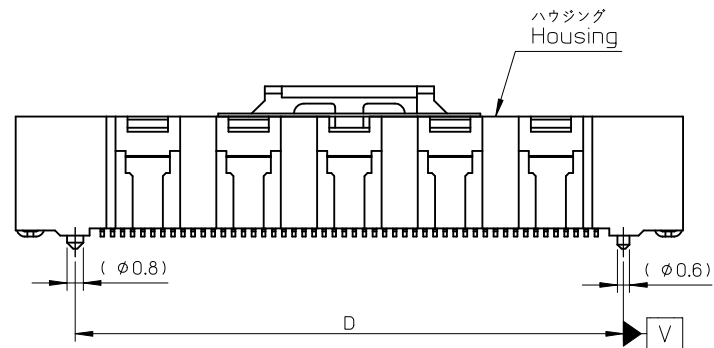
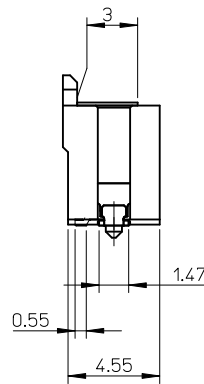
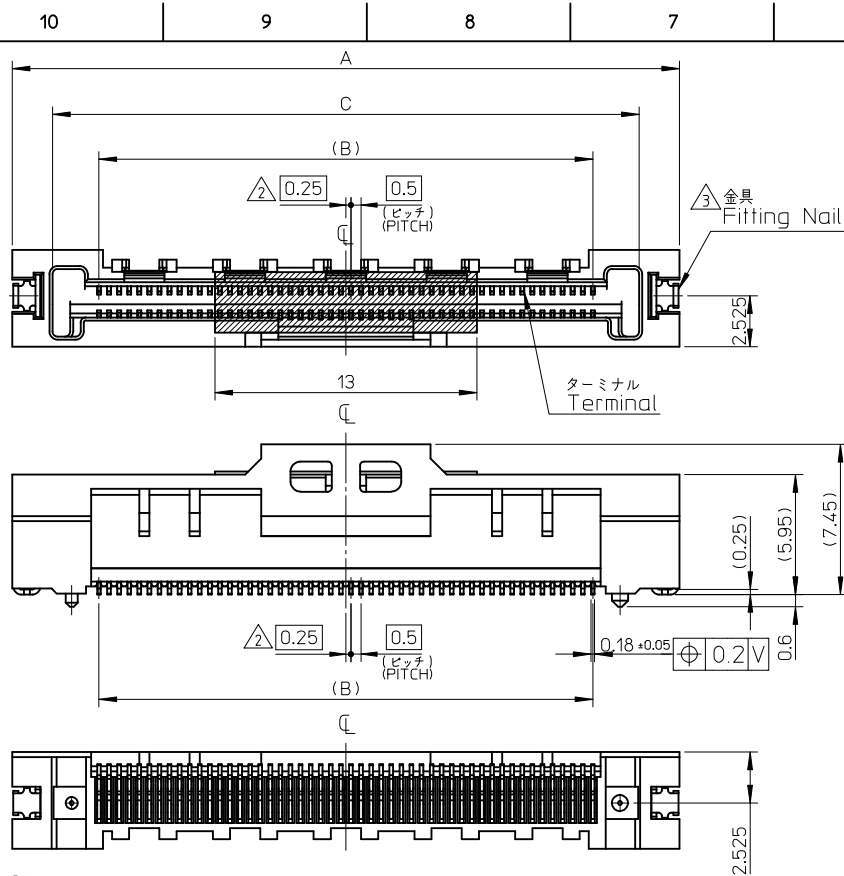
China RoHS



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
[501786Series](#)

Use With
[501783-3009 Plug Jacket . 501784-3009 Plug Jacket Cover](#)



注 記 NOTE

1. 使用材料
MATERIAL
ハウジング
HOUSING : 液晶ポリマー (LCP), ガラス充填,
UL94V-0 色: 黒色
LIQUID CRYSTAL POLYMER (LCP),
GLASS FILLED, UL94V-0 COLOR: BLACK
ターミナル
TERMINAL : 銅合金 (t=0.18)
ニッケル下地 金メッキ (コンタクト、テール部)
COPPER ALLOY (t=0.18)
GOLD PLATING (CONTACT, TAIL AREA) OVER NICKEL PLATING.
金具
FITTING NAIL : 銅合金 (t=0.25)
ニッケル下地 錫メッキ
COPPER ALLOY (t=0.25)
TIN OVER NICKEL PLATING.

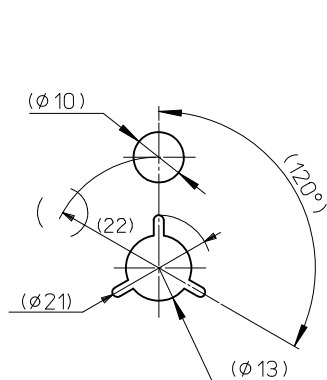
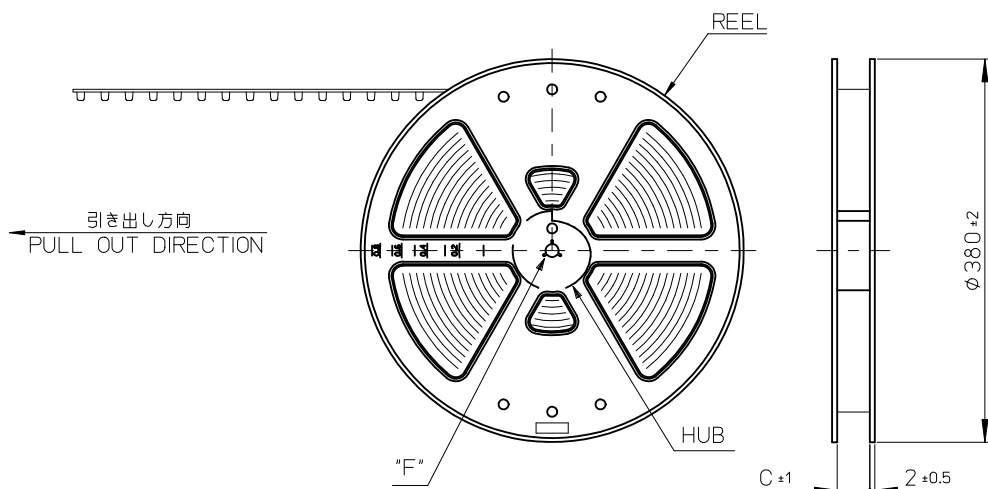
2. N=偶数に適用 (N: 極数)
APPLY FOR N-EVEN IN CIRCUIT
3. パターン剥離止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.
4. 適合ジャケット: 501783-**09
製品詳細寸法はSD-501783-001を参照下さい。
APPLICABLE JACKET: 501783-**09
RE DETAILED DIMENSION, SEE "SD-501783-001."
5. 適合ジャケットカバー: 501784-**09
製品詳細寸法はSD-501784-001を参照下さい。
APPLICABLE JACKET: 501784-**09
RE DETAILED DIMENSION, SEE "SD-501784-001."
6. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

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

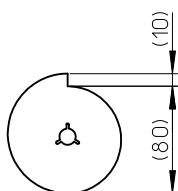
42.2	44.1	39.5	48.1	501786-8090	80
27.2	29.1	24.5	33.1	501786-5090	50
D	C	B	A	EMBOSSED PACKAGE	極 数
				オーダー番号 ORDER NO.	CIRCUITS

CONNECTOR SERIES NO. 501786-**11

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
10 UNDER	±0.2	DRAWN BY	DATE	0.5 FFC TO BOARD CONN REC HSG ASSY(ST)		
10 OVER 30 UNDER	±0.25	H. IJIMA	06/01/13			
30 OVER	±0.3	CHECKED BY	DATE			
		K. TAKAHASHI	06/01/13			
ANGULAR ±1 °		APPROVED BY	DATE	MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		H. HIRATA	06/01/13			
		MATERIAL NO.	501786-**11	DOCUMENT NO.	SD-501786-001	SHEET NO. 1 OF 2
		SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



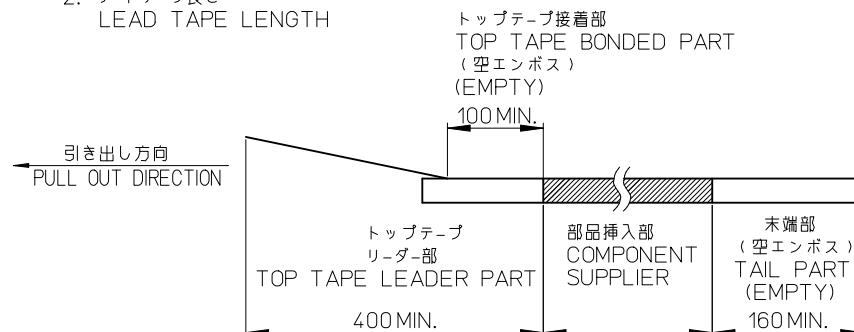
DETAIL "F"



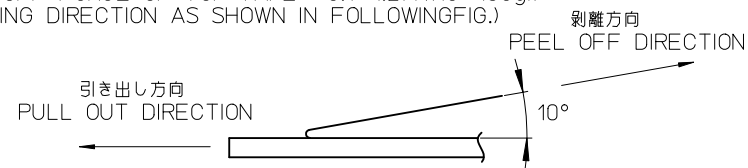
HUB

NOTES

- 梱包数量：900 個/リール
NUMBER OF CONNECTORS:900 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- トップテープの剥離強度：0.1~1.27N(10~130gf)
(剥離方向は下図参照)
剥離速度：300mm/MIN.(参考)
PEEL-OFF FORCE OF TOP TAPE : 0.1~1.27N(10~130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWINGFIG.)



- 製品詳細寸法については図面 SD-501786-001を参照下さい。
RE DETAILED DIMENSION, SEE SD-501786-001.
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE) : ポリスチレン(POLYSTYRENE)
トップテープ(TOP TAPE) : PET, PE, PE
リール(REEL) : ポリスチレン(POLYSTYRENE)<リサイクル材を含む>
<RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

REVISED EC NO.: J2010-1937 DWG.: YW01 CHKD.: MATSUURA APPD.: KIMORI KAWA	2010/03/25 2010/03/25 2010/05/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 06/01/17	TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE		
			10 OVER 30 UNDER	± 0.25	CHECKED BY K. TAKAHASHI	DATE 06/01/17			
			30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 06/01/17	 MOLEX INCORPORATED		
			ANGULAR ± 3 °		MATERIAL NO. 501786-**-90				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
A	REV								

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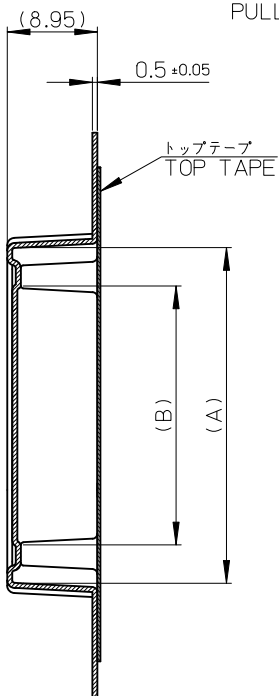
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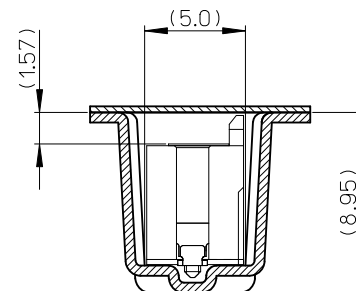
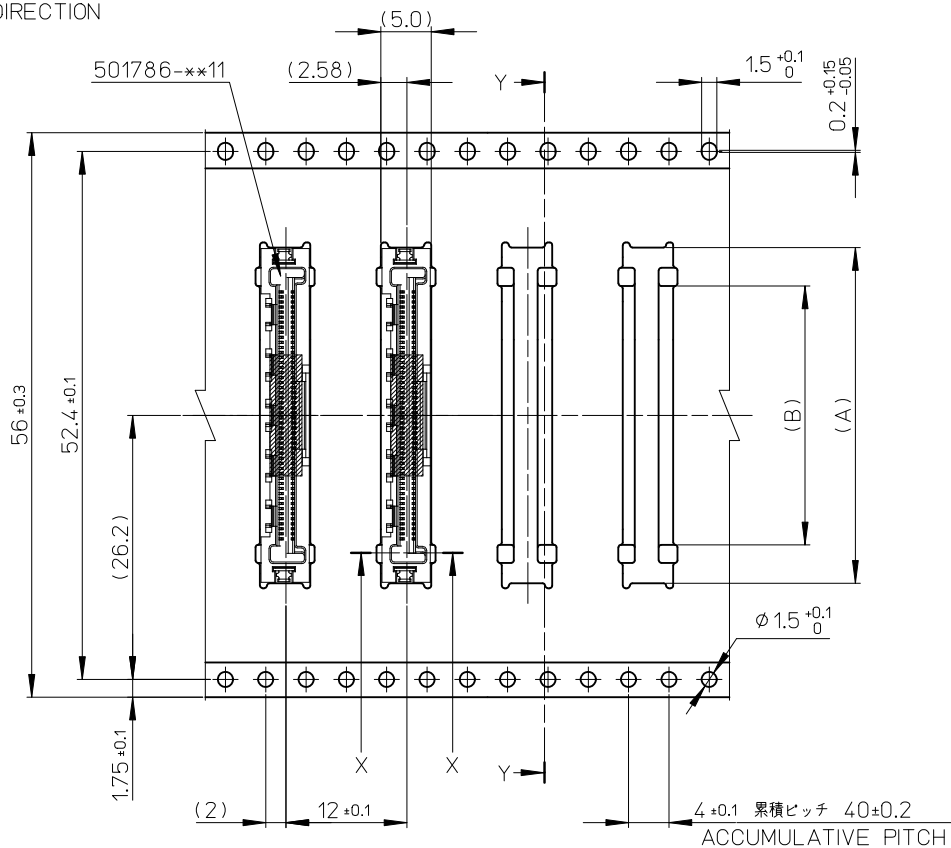
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引き出し方向
PULL OUT DIRECTION

SECT. Y-Y



SECT. X-X

56mm幅キャリアテープ
56mm WIDTH CARRIER TAPE

56	57.4	25.68	33.3	501786-5090	50
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	A	オーダー番号 ORDER NO.	極数 CKT

SEE SHEET 1 OF 2 EC NO.: J2010-1937 DRWN: YMORI 2010/03/25 CHKD: MATSUURA 2010/03/25 APPR: KMORI KAWA 2010/05/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 06/01/17	TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE MOLEX MOLEX INCORPORATED				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TAKAHASHI	DATE 06/01/17					
		30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 06/01/17					
		ANGULAR ± 3 °		MATERIAL NO. 501786-**90		DOCUMENT NO. SD-501786-002		SHEET NO. 2 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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