

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5017863091](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC-to-Board Connector, Receptacle Housing Assy, Vertical, SMT, with Grounding terminals, 30 Circuits

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

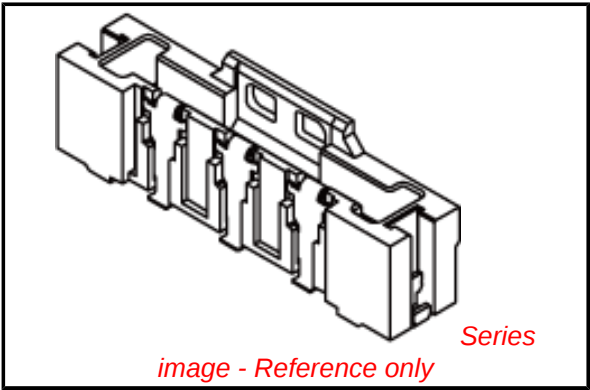
General
Product Family FFC/FPC Connectors
Series [501786](#)
Comments with Grounding terminals
Overview [ffc_fpc_smt](#)
Product Name N/A

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-501786-008, SD-501786-009



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

China RoHS

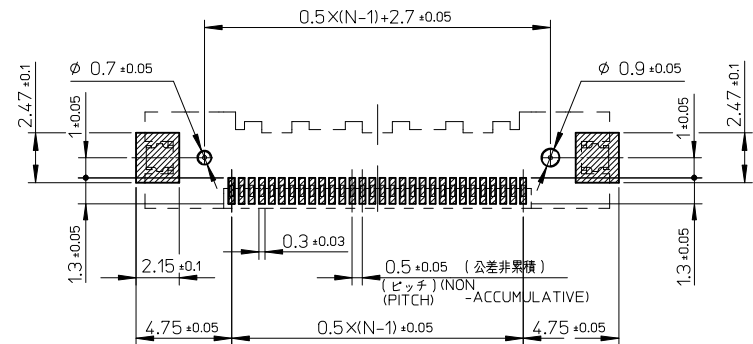
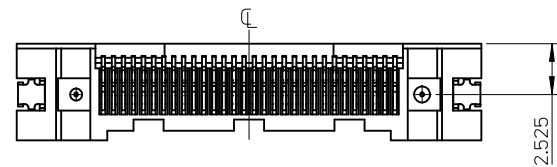
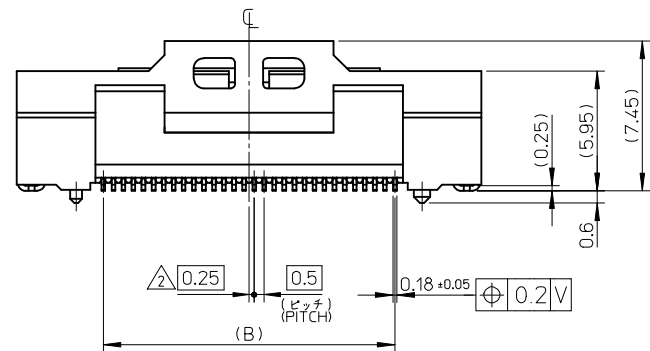
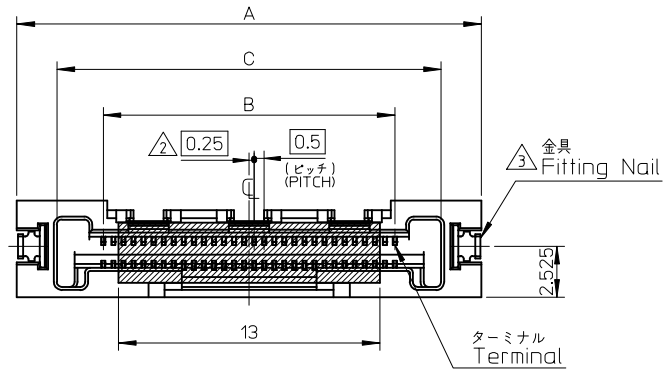


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

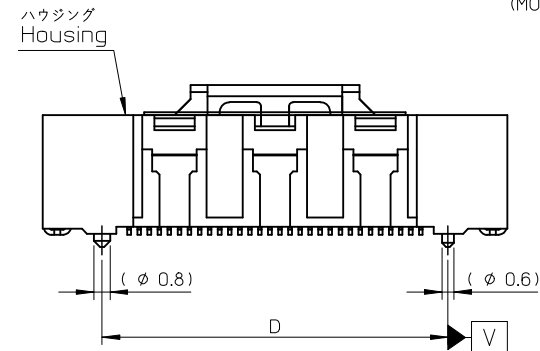
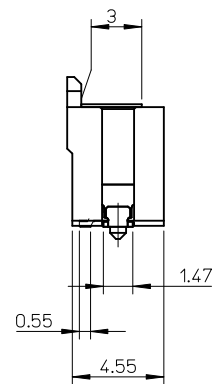
Search Parts in this Series
[501786Series](#)

Use With
[501783-3009 Plug Jacket . 501784-3008 Plug Jacket Cover](#)

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



17.2	19.1	14.5	23.1	501786-3092	30
D	C	B	A	EMBOSSD TAPE PKG.	極数
				ORDER No. オーダー番号	CIRCUIT

CONNECTOR SERIES No. 501786-**41

REVISED EC NO: J2010-0779 DRWNNNISHI CHKD:WATSUURA APPR:KMORIKAWA A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 07/11/26	TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST)				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. MORIKAWA	DATE 07/11/26					
		30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 07/11/26					
		ANGULAR ±1 °		MATERIAL NO.		MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SD-501786-006		SHEET NO. 1 OF 2		
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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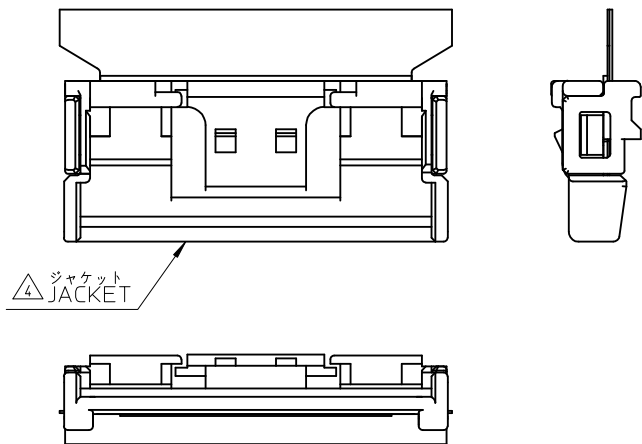
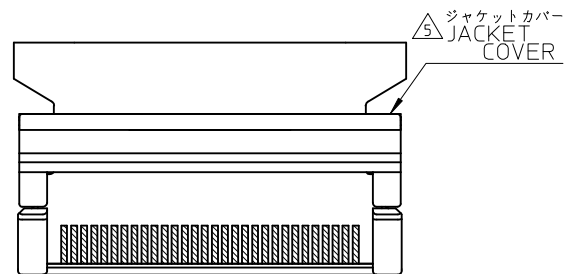
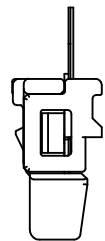
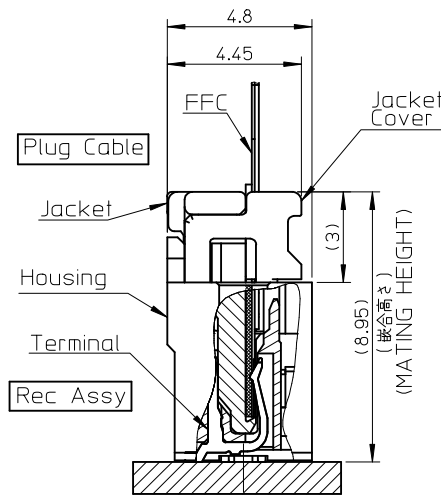
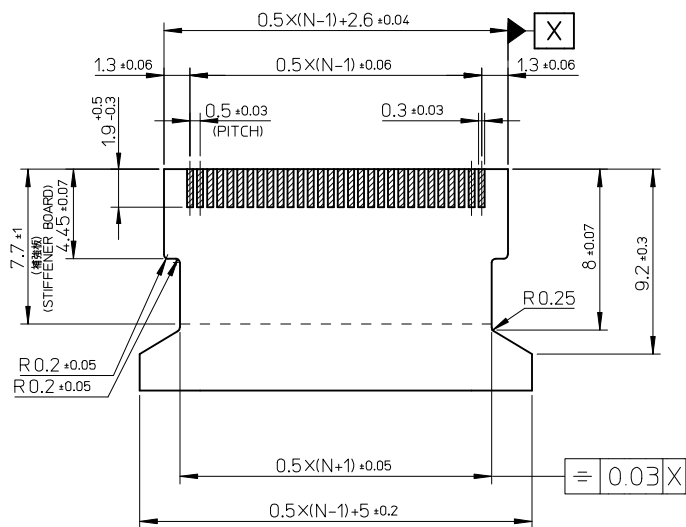
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4 ジャケット
JACKET5 ジャケットカバー
JACKET COVER嵌合断面図
MATED CONNECTOR SECTIONコネクタ接点部
CONTACT AREA適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION(仕上がり厚さ: コネクタ接点部 0.3±0.03)
(THICKNESS :CONTACT AREA 0.3±0.03)注 記
NOTE

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)
COPPER ALLOY(t=0.18)

メッキ PLATING

コンタクト CONTACT AREA : ニッケル下地
金メッキ
OVER NICKEL PLATING
GOLD

ソルダーテール SOLDER TAIL : ニッケル下地
金メッキ
OVER NICKEL PLATING
GOLD

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.

グラウンド端子 GROUND TERMINAL : 銅合金 (t=0.15)
ニッケル下地 錫メッキ
COPPER ALLOY(t=0.15)
TIN OVER NICKEL PLATING.

△2 N=偶数に適用 (N:極数)
APPLY FOR N=EVEN(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-501783-004を参照下さい。
APPLICABLE JACKET:501783-**09
RE DETAILED DIMENSION SEE SD-501783-004.

△5 適合ジャケットカバー: 501784-**09
製品詳細寸法はSD-501784-004を参照下さい。
APPLICABLE JACKET:501784-**09
RE DETAILED DIMENSION SEE SD-501784-004.

6. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

7. FFCについて
ABOUT FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35µmまたは50µmを推奨します。

RECOMMENDED PUNCHING DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC:
SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS:
35MICROMETER OR 50MICROMETER

REVISED EC NO: J2010-0779 DRW:NNISHI 2009/10/19 CHKD:WATSUURA 2009/10/19 APPR:KNORIKAWA 2009/10/19	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY H.IIJIMA	DATE 07/11/26	TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST)				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.MORIKAWA	DATE 07/11/26					
		30 OVER	± 0.3	APPROVED BY H.HIRATA	DATE 07/11/26					
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501786-006		2 OF 2			
	REV A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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10 9 8 7 6 5 4 3 2 1

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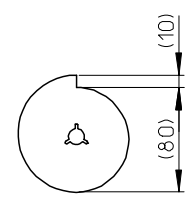
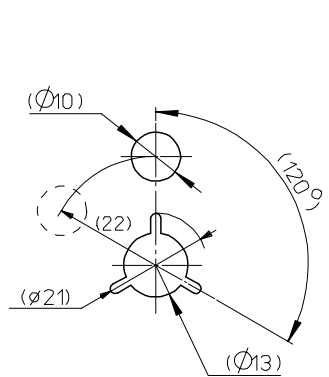
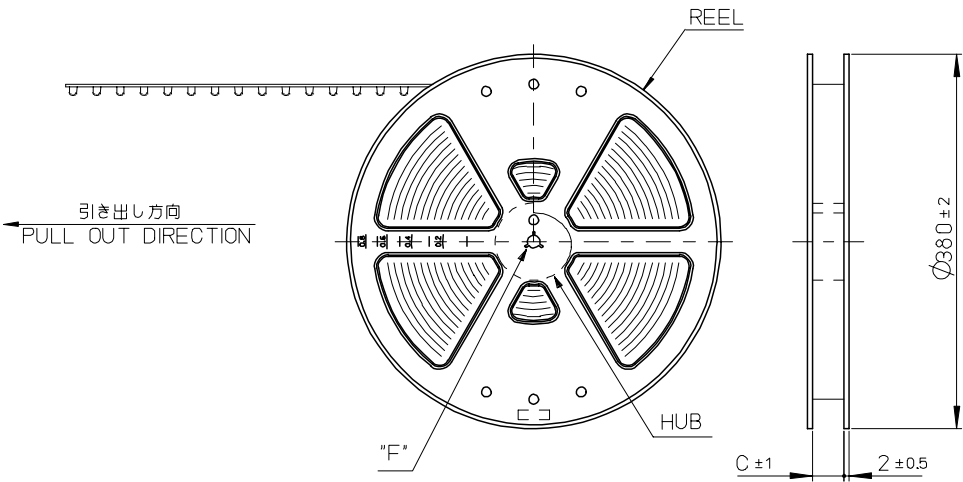
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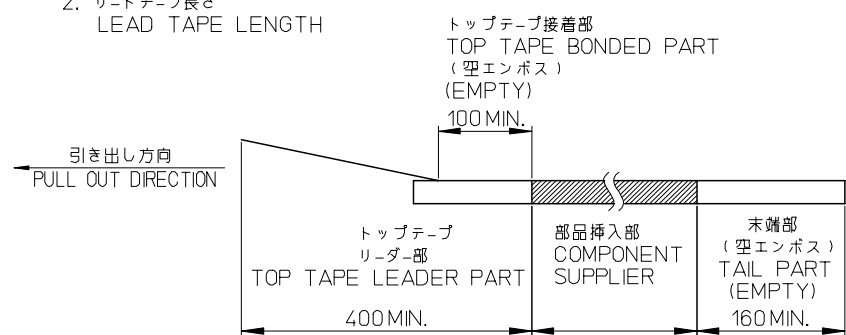
A



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

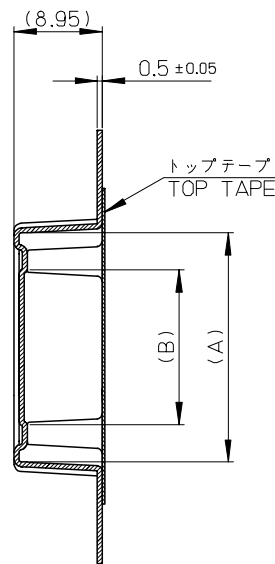


- 製品詳細寸法については図面 SD-501786-006を参照下さい。
RE DETAILED DIMENSION, SEE SD-501786-006.
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)： ポリスチレン(POLYSTYRENE)
トップテープ(TOP TAPE)： PET, PE, PE
リール(REEL)： ポリスチレン(POLYSTYRENE)<リサイクル材を含む>
<RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

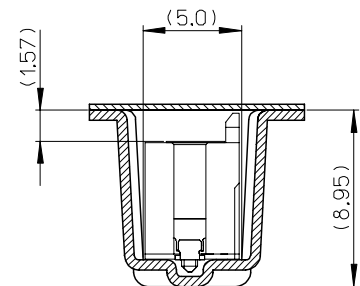
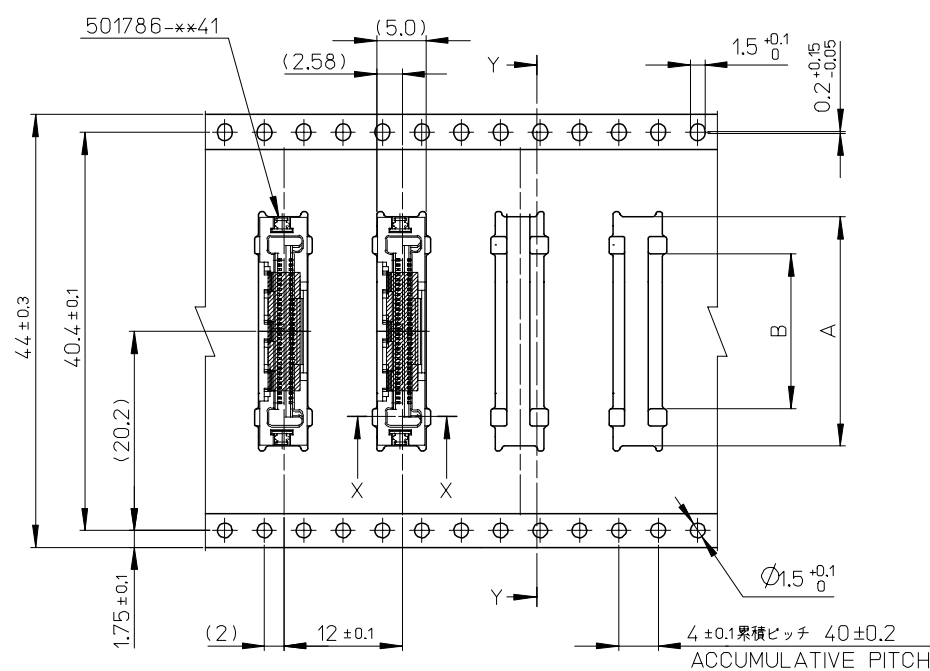
501786-**92
MODEL NO.

RELEASED EC NO: J2008-2476 DRWN:KSF10 CHKD:KMORI KAWA APPR:KMORI KAWA	2007/11/29	DESCRIPTION <
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引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	45.4	15.68	23.3	501786-3092	30
キャリアテープ幅 MATERIAL No.	C	B	A	製品番号 MATERIAL No.	極数 CKT
SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	

SEE SHEET 1 OF 2 EC NO: J2008-2176 DRWN:KSETO 2007/11/29 CHKD:K.MORIKAWA 2007/11/29 APPR:K.MORIKAWA 2007/11/30 REV 0	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 07/11/26	TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. MORIKAWA	DATE 07/11/26					
		30 OVER	±0.3	APPROVED BY H. HIRATA	DATE 07/11/26	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO. 501786-**-92						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				