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Part Number: [5017865091](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC-to-Board Connector, Receptacle Housing Assy, Vertical, SMT, with Grounding terminals, 50 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) 50
 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

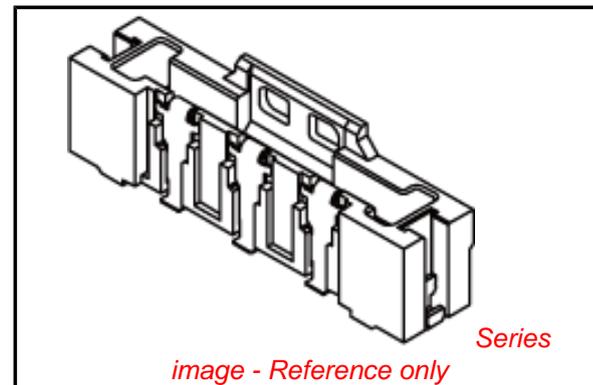
Electrical

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
 Sales Drawing SD-501786-009, SD-501786-012



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](#)

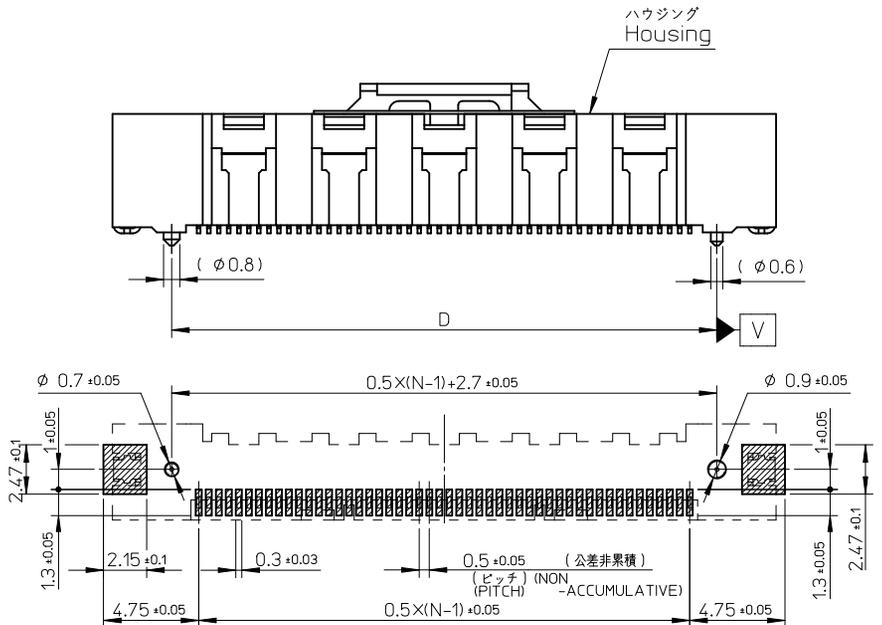
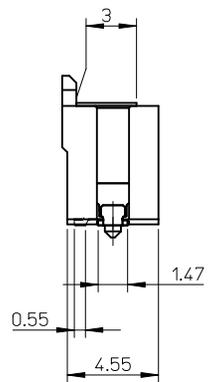
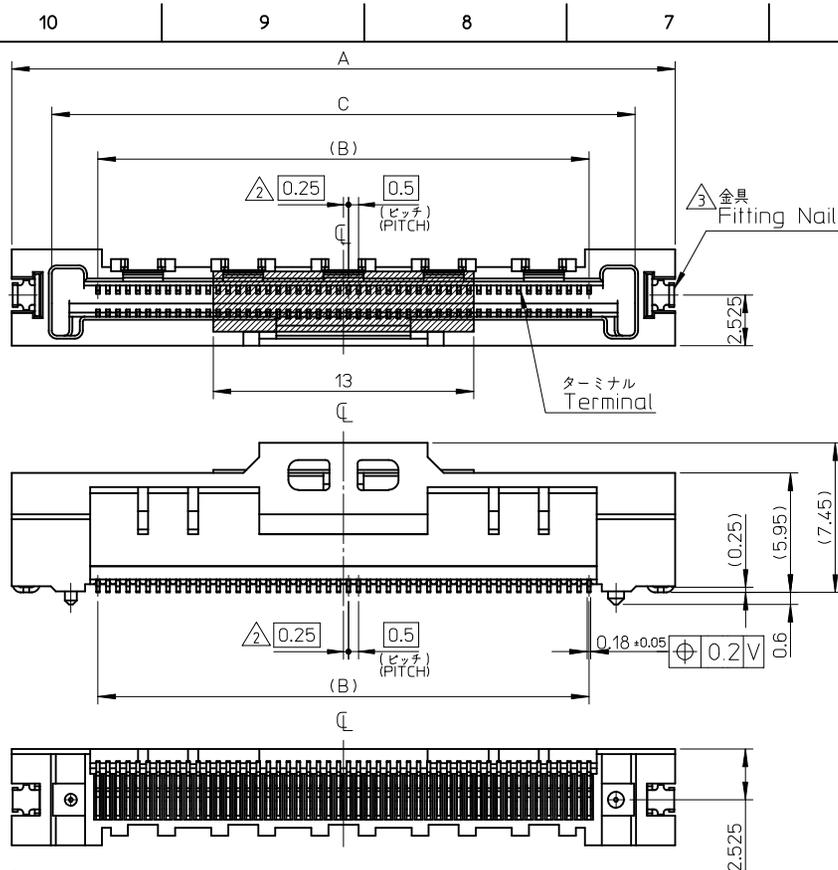
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[501786Series](#)

Use With

[503150-5009 Plug Jacket](#) . [503151-5009 Plug Jacket Cover](#)



注記
NOTE

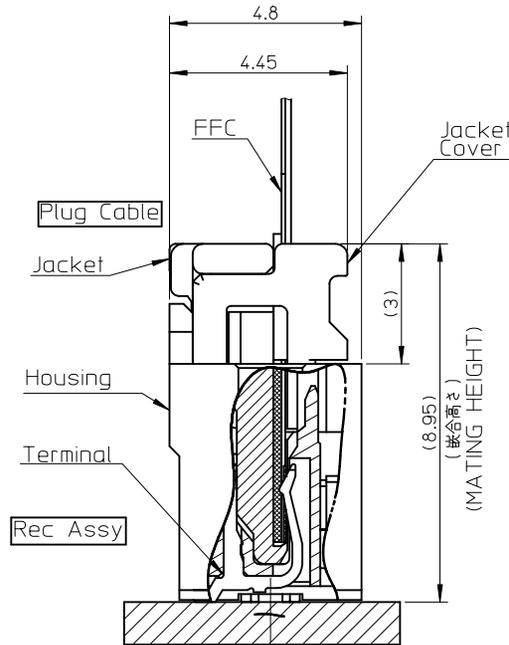
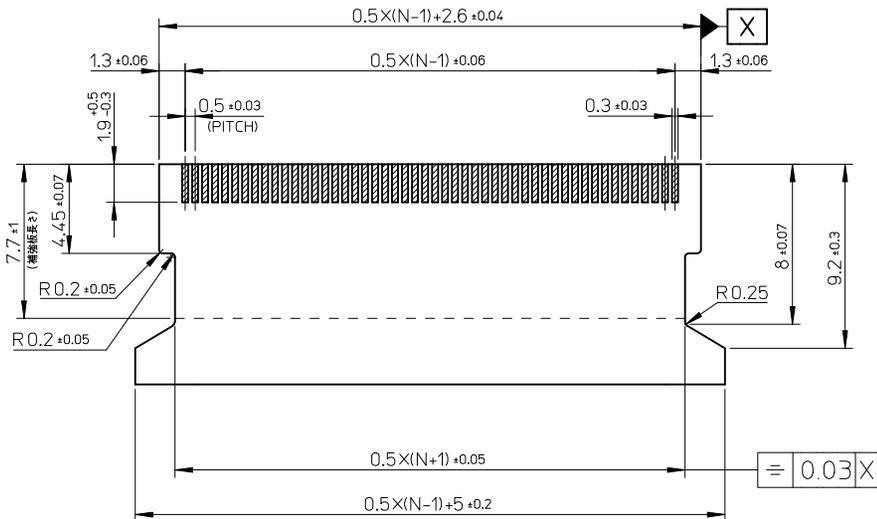
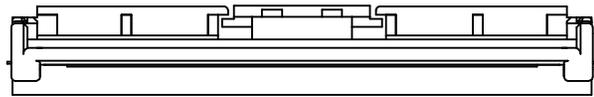
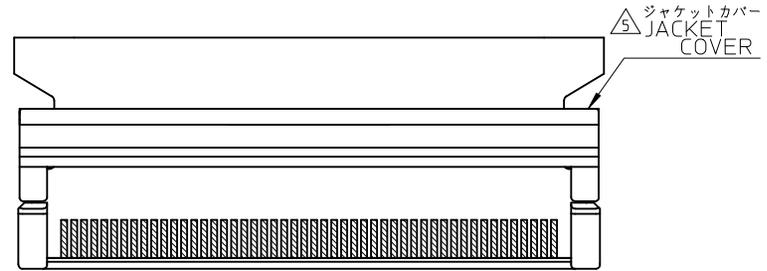
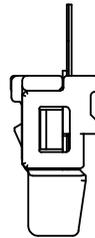
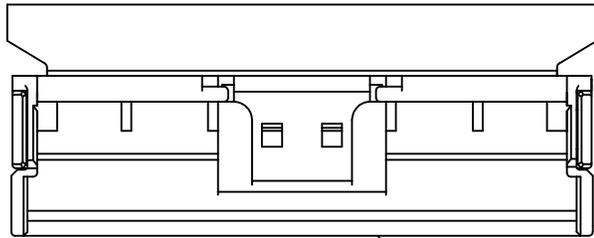
1. 使用材料
MATERIAL
- ハウジング
HOUSING : 液晶ポリマー (LCP), ガラス充填,
UL94V-0 色:黒色
LIQUID CRYSTAL POLYMER(LCP),
GLASS FILLED,UL94V-0 COLOR:BLACK
- ターミナル
TERMINAL : 銅合金 (t=0.18)
ニッケル下地 金メッキ (コンタクト、テール部)
COPPER ALLOY(t=0.18)
GOLD PLATING(CONTACT, TAIL AREA) OVER NICKEL PLATING.
- 金具
FITTING NAIL : 銅合金 (t=0.25)
ニッケル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

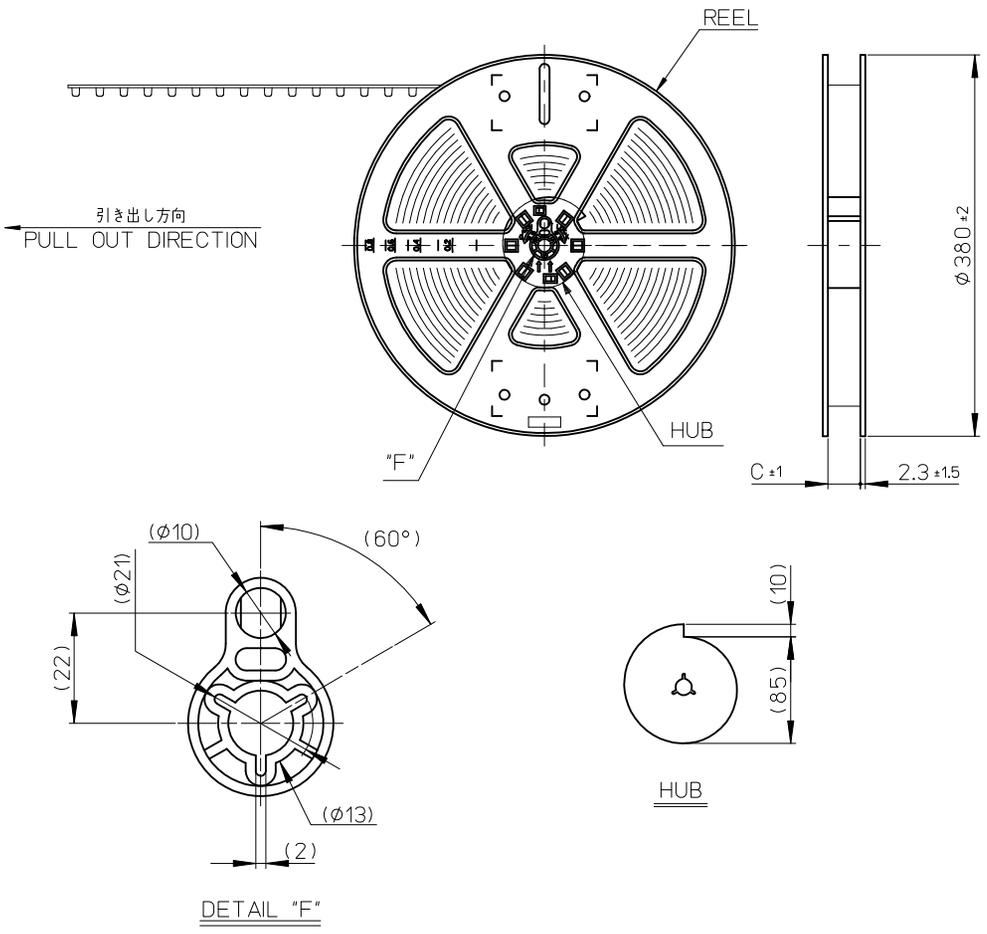
| | | | | | | | | | | |
|---|-------------|--|-------|-----------------------------|----------|--|------------------------|--|---------------------------|--|
| REVISED EC NO: J2010-1937 DRWN: YMORI 2010/03/25 CHKD: MATSUURA 2010/03/25 APPR: KMORIKAWA 2010/05/10 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE | DESIGN UNITS METRIC | | THIRD ANGLE PROJECTION | |
| | | 10 UNDER | ±0.2 | DRAWN BY | DATE | TITLE | | | | |
| | | 10 OVER 30 UNDER | ±0.25 | H. IJIMA | 06/01/13 | 0.5 FFC TO BOARD CONN REC HSG ASSY(ST) | | | | |
| | | 30 OVER | ±0.3 | K. TAKAHASHI | 06/01/13 | | | | | |
| A | REV | ANGULAR ±1 ° | | APPROVED BY | DATE | MOLEX INCORPORATED | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | H. HIRATA | 06/01/13 | DOCUMENT NO. | | | | |
| | | | | MATERIAL NO. 501786-**11 | | SD-501786-001 | | | | |
| | | | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |



コネクタ接点部

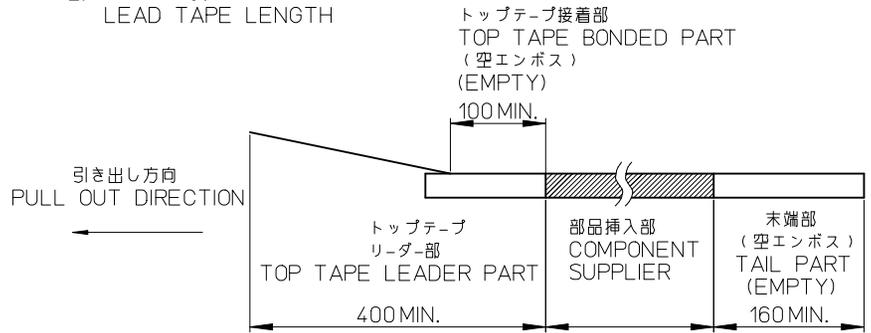
適合FFC推奨寸法
 APPLICABLE FFC
 RECOMMENDED DIMENSION
 (仕上がり厚さ: コネクタ接点部 0.3±0.03)

| | | | | | | |
|--|---------------------------------------|--|---|------------------|--|-------------------------------|
| SEE SHEET 1 OF 2 EC NO: J2010-1937 DRWN: YMORI 2010/03/25 CHKD: MATSUURA 2010/03/25 APPR: KMORIKAWA 2010/05/10 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | 10 UNDER | ±0.2 | DRAWN BY H. IJIMA | DATE 06/01/13 | TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST) | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. TAKAHASHI | DATE 06/01/13 | MOLEX INCORPORATED | |
| | 30 OVER | ±0.3 | APPROVED BY H. HIRATA | DATE 06/01/13 | MATERIAL NO. 501786-**11 | DOCUMENT NO. SD-501786-001 |
| A | REV | DESCRIPTION ANGULAR ±1 ° 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 | | | |

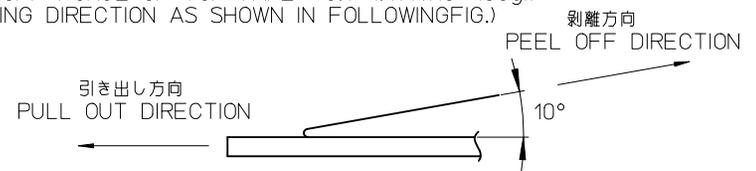


NOTES

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



- 3. トップテープの剥離強度：0.1~1.47N(10~150gf)
(剥離方向は下図参照)
剥離速度：300mm/MIN.(参考)
PEEL-OFF FORCE OF TOP TAPE : 0.1~1.47N(10~150gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWINGFIG.)

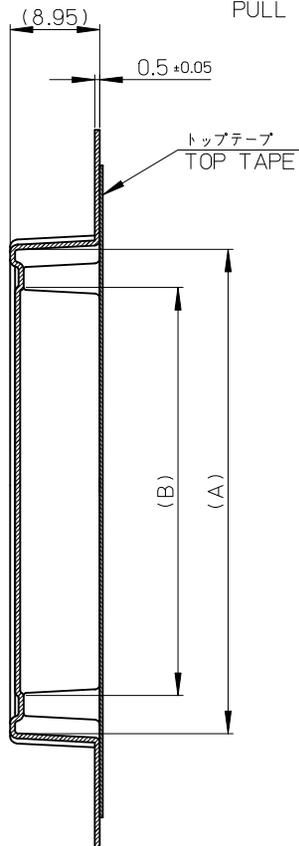


- 製品詳細寸法については図面 SD-501786-001を参照下さい。
RE DETAILED DIMENSION, SEE SD-501786-001.
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリスチレン(POLYSTYRENE)
トップテープ(TOP TAPE)：PET, PE, PE
リール(REEL)：ポリスチレン(POLYSTYRENE)
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

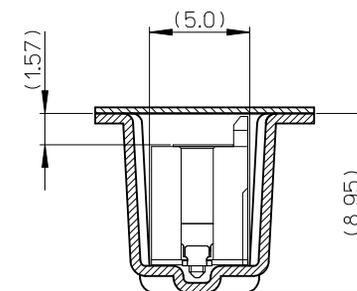
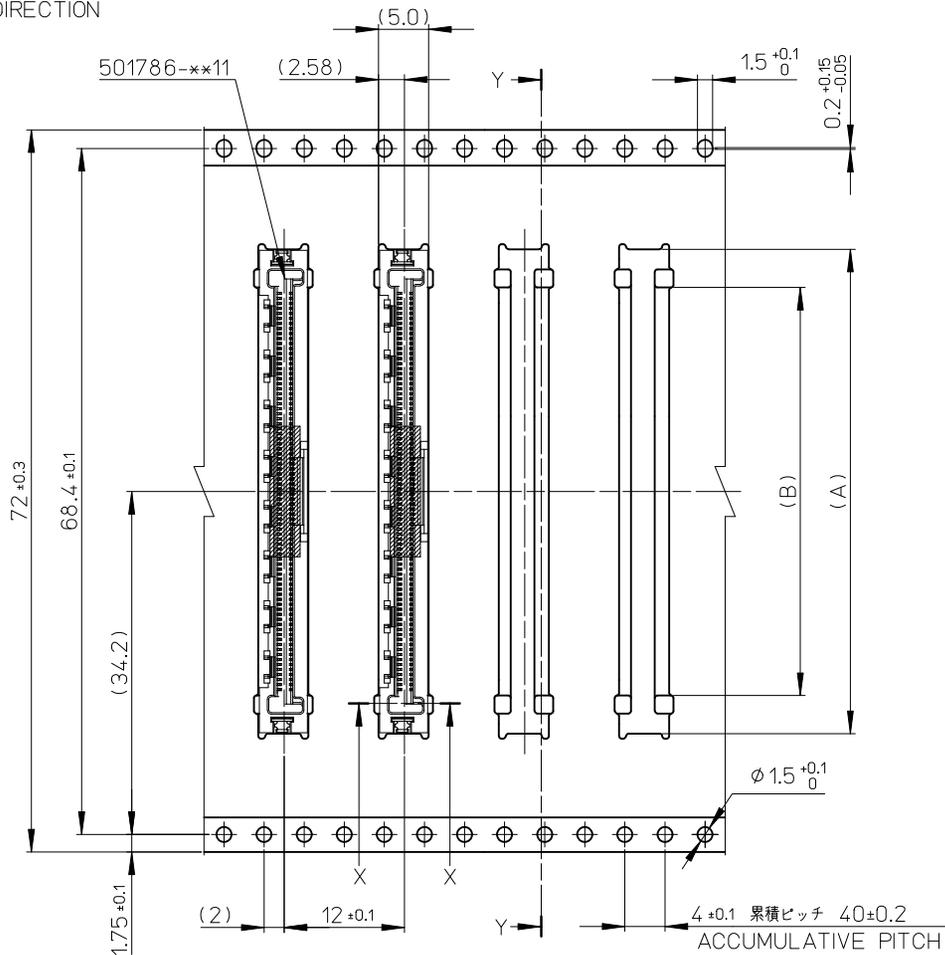
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|--|------------------|---------------------------------------|-------|--|------------------|---|------------------------|------------------------|--|--|
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| | | 10 UNDER | ±0.2 | DRAWN BY H. IIJIMA | 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 | MOLEX INCORPORATED | | | | |
| | | 30 OVER | ±0.3 | APPROVED BY H. HIRATA | DATE 06/01/17 | MATERIAL NO. 501786-***90 | | | | |
| | | ANGULAR ±3 ° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DOCUMENT NO. SD-501786-003 | | 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 | | | | |

10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

72mm幅キャリアテープ
72mm WIDTH CARRIER TAPE

| | | | | | |
|--------------------------------|------|-------|------|---------------------|-----------|
| 72 | 73.5 | 40.68 | 48.3 | 501786-8090 | 80 |
| 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 |

| | | | | | | | | |
|--|---|----------------------------|----------------------------|------------------|--------------|--|---------------------------|-------------------------------|
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| | 10 UNDER ± 0.2 10 OVER 30 UNDER ± 0.25 30 OVER ± 0.3 | DRAWN BY H. IJIMA | | DATE 06/01/17 | | TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE | | |
| | ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | CHECKED BY K. TAKAHASHI | | DATE 06/01/17 | | MOLEX INCORPORATED | | |
| | A | APPROVED BY H. HIRATA | | DATE 06/01/17 | | MATERIAL NO. 501786-**90 | | DOCUMENT NO. SD-501786-003 |

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Офис по работе с юридическими лицами:

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