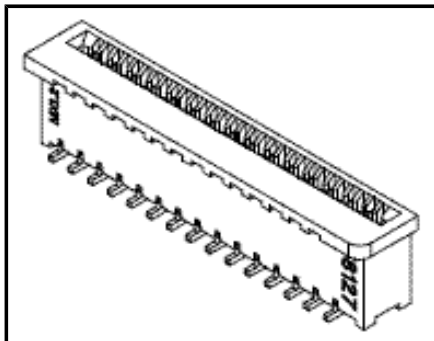
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This document was generated on 06/07/2010

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0781271168
**Status:** Active
**Overview:** ffc_fpc_smt
**Description:** 0.50mm (.020") Pitch FFC/FPC Connector, SMT, Non ZIF, Vertical, Reverse, Gold Plating, 16 Circuits, Lead Free



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-78119-001 (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | FFC/FPC Connectors |
| Series | 78127 |
| Overview | ffc_fpc_smt |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Natural |
| Contact Position | N/A |
| Durability (mating cycles max) | 20 |
| Entry Angle | Vertical |
| Flammability | 94V-0 |
| Mated Height (in) | 0.161 In |
| Mated Height (mm) | 4.10 mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold, Nickel |
| Number of Rows | 1 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | None |
| 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 |
| Temperature Range - Operating | -40°C to +85°C |
| Termination Interface: Style | Surface Mount |
| Wire/Cable Type | FFC/FPC |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum | 50V AC |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-78119-001 |
| Sales Drawing | SD-78127-001 |

**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

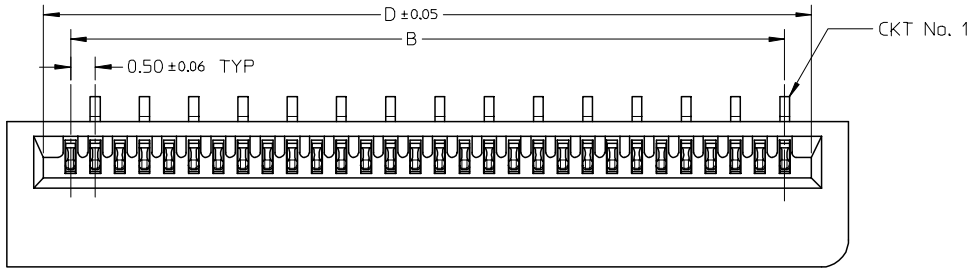
Please visit the Contact Us section for any non-product compliance questions.

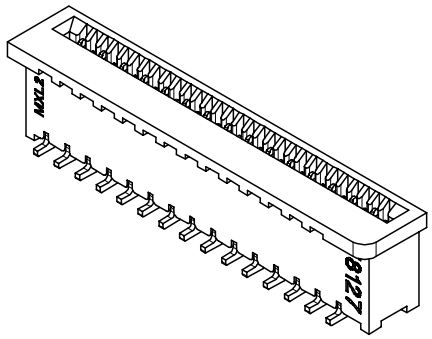
**Search Parts in this Series**
78127Series

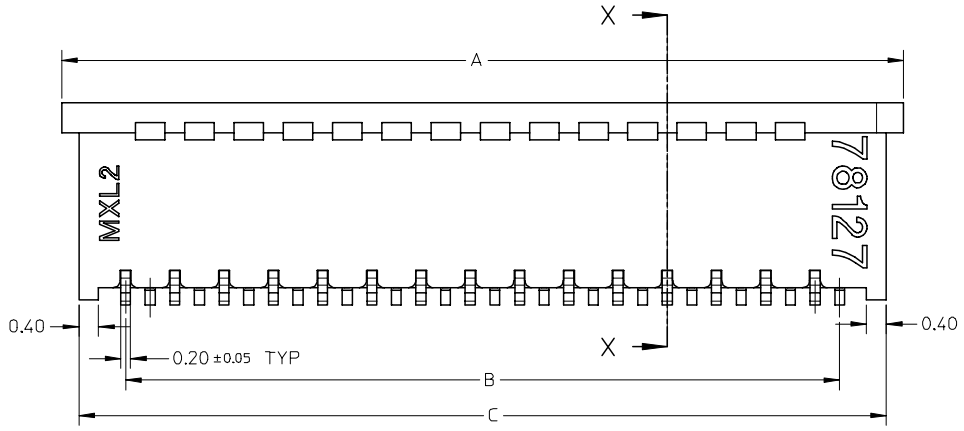
**Mates With**
Standard FFC/FPC Cables

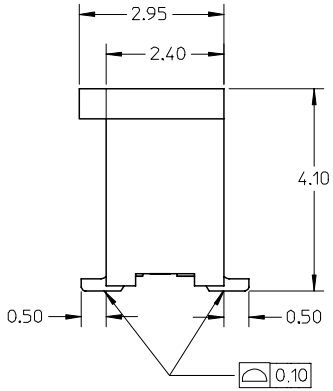
This document was generated on 06/07/2010

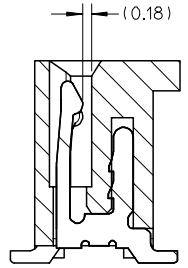
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




SECTION X-X

NOTE:
1. MATERIAL:
   HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL
   TERMINAL: COPPER ALLOY
2. PLATING:
   1) 0.10 μm MIN. GOLD PLATING OVER NICKEL PLATING OVERALL
   2) 1-3 μm TIN-BISMUTH PLATING OVER NICKEL PLATING OVERALL
3. PRODUCT SPECIFICATION: PS-78119-001
4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:GOH 2007/03/05
APPR:KLING
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | YLQIAO | 2006/05/05 |
| CHECKED BY | BOKOK | 2006/06/06 |
| APPROVED BY | PTLIM | 2006/06/06 |

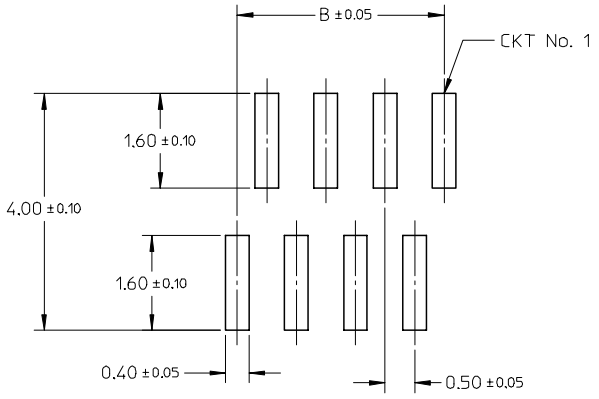
TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

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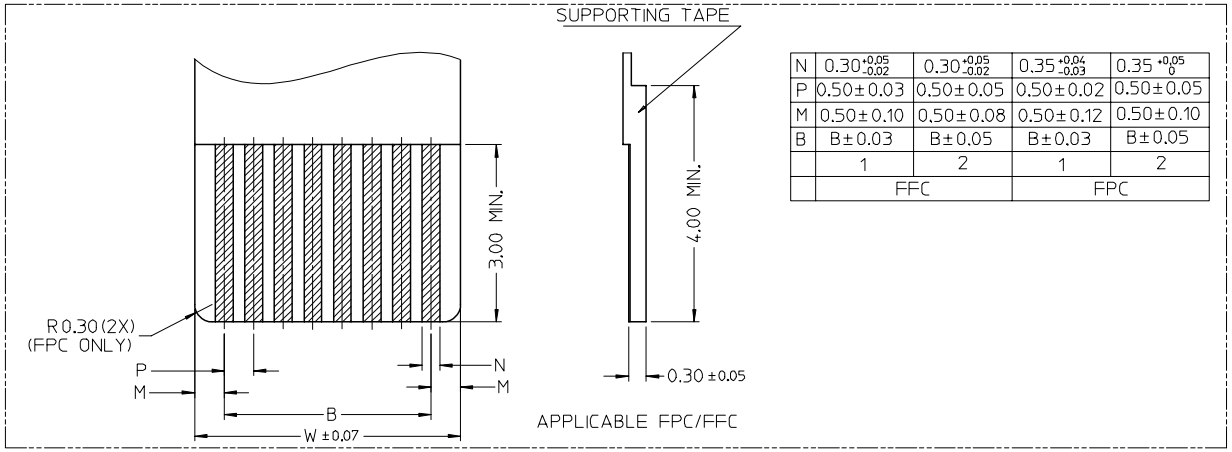
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 1 OF 7

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION




RECOMMENDED PCB LAYOUT




| | | | | |
|---|---|---|---|---|
| N | $0.30^{+0.05}_{-0.02}$ | $0.30^{+0.05}_{-0.02}$ | $0.35^{+0.04}_{-0.03}$ | $0.35^{+0.05}_{0}$ |
| P | 0.50±0.03 | 0.50±0.05 | 0.50±0.02 | 0.50±0.05 |
| M | 0.50±0.10 | 0.50±0.08 | 0.50±0.12 | 0.50±0.10 |
| B | B±0.03 | B±0.05 | B±0.03 | B±0.05 |
| | 1 | 2 | 1 | 2 |
| | FFC | | FPC | |

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EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:CGOH 2007/03/05
APPR:KCLING 2007/03/05
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: YLQIAO DATE: 2006/05/05
CHECKED BY: BOKOK DATE: 2006/06/06
APPROVED BY: PTLIM DATE: 2006/06/06

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 2 OF 7

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS

| ASSY P/N W/O PACKAGING | CKT | DIM A | DIM B | DIM C | DIM D | PLATING TYPE |
|---|---|---|---|---|---|---|
| 78127-0068 | 6 | 5.10 | 2.50 | 4.40 | 3.60 | |
| 78127-0078 | 7 | 5.60 | 3.00 | 4.90 | 4.10 | |
| 78127-0088 | 8 | 6.10 | 3.50 | 5.40 | 4.60 | |
| 78127-0098 | 9 | 6.60 | 4.00 | 5.90 | 5.10 | |
| 78127-0108 | 10 | 7.10 | 4.50 | 6.40 | 5.60 | |
| 78127-0118 | 11 | 7.60 | 5.00 | 6.90 | 6.10 | |
| 78127-0128 | 12 | 8.10 | 5.50 | 7.40 | 6.60 | |
| 78127-0138 | 13 | 8.60 | 6.00 | 7.90 | 7.10 | |
| 78127-0148 | 14 | 9.10 | 6.50 | 8.40 | 7.60 | |
| 78127-0158 | 15 | 9.60 | 7.00 | 8.90 | 8.10 | |
| 78127-0168 | 16 | 10.10 | 7.50 | 9.40 | 8.60 | |
| 78127-0178 | 17 | 10.60 | 8.00 | 9.90 | 9.10 | |
| 78127-0188 | 18 | 11.10 | 8.50 | 10.40 | 9.60 | 1 |
| 78127-0198 | 19 | 11.60 | 9.00 | 10.90 | 10.10 | |
| 78127-0208 | 20 | 12.10 | 9.50 | 11.40 | 10.60 | |
| 78127-0218 | 21 | 12.60 | 10.00 | 11.90 | 11.10 | |
| 78127-0228 | 22 | 13.10 | 10.50 | 12.40 | 11.60 | |
| 78127-0238 | 23 | 13.60 | 11.00 | 12.90 | 12.10 | |
| 78127-0248 | 24 | 14.10 | 11.50 | 13.40 | 12.60 | |
| 78127-0258 | 25 | 14.60 | 12.00 | 13.90 | 13.10 | |
| 78127-0268 | 26 | 15.10 | 12.50 | 14.40 | 13.60 | |
| 78127-0278 | 27 | 15.60 | 13.00 | 14.90 | 14.10 | |
| 78127-0288 | 28 | 16.10 | 13.50 | 15.40 | 14.60 | |
| 78127-0298 | 29 | 16.60 | 14.00 | 15.90 | 15.10 | |
| 78127-0308 | 30 | 17.10 | 14.50 | 16.40 | 15.60 | |

| ASSY P/N W/O PACKAGING | CKT | DIM A | DIM B | DIM C | DIM D | PLATING TYPE |
|---|---|---|---|---|---|---|
| 78127-0318 | 31 | 17.60 | 15.00 | 16.90 | 16.10 | |
| 78127-0328 | 32 | 18.10 | 15.50 | 17.40 | 16.60 | |
| 78127-0338 | 33 | 18.60 | 16.00 | 17.90 | 17.10 | |
| 78127-0348 | 34 | 19.10 | 16.50 | 18.40 | 17.60 | |
| 78127-0358 | 35 | 19.60 | 17.00 | 18.90 | 18.10 | |
| 78127-0368 | 36 | 20.10 | 17.50 | 19.40 | 18.60 | 1 |
| 78127-0378 | 37 | 20.60 | 18.00 | 19.90 | 19.10 | |
| 78127-0388 | 38 | 21.10 | 18.50 | 20.40 | 19.60 | |
| 78127-0398 | 39 | 21.60 | 19.00 | 20.90 | 20.10 | |
| 78127-0408 | 40 | 22.10 | 19.50 | 21.40 | 20.60 | |
| 78127-0418 | 41 | 22.60 | 20.00 | 21.90 | 21.10 | |
| 78127-0428 | 42 | 23.10 | 20.50 | 22.40 | 21.60 | |

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:CGOH 2007/03/05
APPR:KCLING 2007/03/05
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: YLQIAO DATE: 2006/05/05
CHECKED BY: BOKOK DATE: 2006/06/06
APPROVED BY: PTLIM DATE: 2006/06/06

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 3 OF 7

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

| ASSY P/N W/O PACKAGING | CKT | DIM A | DIM B | DIM C | DIM D | PLATING TYPE |
|---|---|---|---|---|---|---|
| 78127-0069 | 6 | 5.10 | 2.50 | 4.40 | 3.60 | |
| 78127-0079 | 7 | 5.60 | 3.00 | 4.90 | 4.10 | |
| 78127-0089 | 8 | 6.10 | 3.50 | 5.40 | 4.60 | |
| 78127-0099 | 9 | 6.60 | 4.00 | 5.90 | 5.10 | |
| 78127-0109 | 10 | 7.10 | 4.50 | 6.40 | 5.60 | |
| 78127-0119 | 11 | 7.60 | 5.00 | 6.90 | 6.10 | |
| 78127-0129 | 12 | 8.10 | 5.50 | 7.40 | 6.60 | |
| 78127-0139 | 13 | 8.60 | 6.00 | 7.90 | 7.10 | |
| 78127-0149 | 14 | 9.10 | 6.50 | 8.40 | 7.60 | |
| 78127-0159 | 15 | 9.60 | 7.00 | 8.90 | 8.10 | |
| 78127-0169 | 16 | 10.10 | 7.50 | 9.40 | 8.60 | |
| 78127-0179 | 17 | 10.60 | 8.00 | 9.90 | 9.10 | |
| 78127-0189 | 18 | 11.10 | 8.50 | 10.40 | 9.60 | 2 |
| 78127-0199 | 19 | 11.60 | 9.00 | 10.90 | 10.10 | |
| 78127-0209 | 20 | 12.10 | 9.50 | 11.40 | 10.60 | |
| 78127-0219 | 21 | 12.60 | 10.00 | 11.90 | 11.10 | |
| 78127-0229 | 22 | 13.10 | 10.50 | 12.40 | 11.60 | |
| 78127-0239 | 23 | 13.60 | 11.00 | 12.90 | 12.10 | |
| 78127-0249 | 24 | 14.10 | 11.50 | 13.40 | 12.60 | |
| 78127-0259 | 25 | 14.60 | 12.00 | 13.90 | 13.10 | |
| 78127-0269 | 26 | 15.10 | 12.50 | 14.40 | 13.60 | |
| 78127-0279 | 27 | 15.60 | 13.00 | 14.90 | 14.10 | |
| 78127-0289 | 28 | 16.10 | 13.50 | 15.40 | 14.60 | |
| 78127-0299 | 29 | 16.60 | 14.00 | 15.90 | 15.10 | |
| 78127-0309 | 30 | 17.10 | 14.50 | 16.40 | 15.60 | |

| ASSY P/N W/O PACKAGING | CKT | DIM A | DIM B | DIM C | DIM D | PLATING TYPE |
|---|---|---|---|---|---|---|
| 78127-0319 | 31 | 17.60 | 15.00 | 16.90 | 16.10 | |
| 78127-0329 | 32 | 18.10 | 15.50 | 17.40 | 16.60 | |
| 78127-0339 | 33 | 18.60 | 16.00 | 17.90 | 17.10 | |
| 78127-0349 | 34 | 19.10 | 16.50 | 18.40 | 17.60 | |
| 78127-0359 | 35 | 19.60 | 17.00 | 18.90 | 18.10 | |
| 78127-0369 | 36 | 20.10 | 17.50 | 19.40 | 18.60 | 2 |
| 78127-0379 | 37 | 20.60 | 18.00 | 19.90 | 19.10 | |
| 78127-0389 | 38 | 21.10 | 18.50 | 20.40 | 19.60 | |
| 78127-0399 | 39 | 21.60 | 19.00 | 20.90 | 20.10 | |
| 78127-0409 | 40 | 22.10 | 19.50 | 21.40 | 20.60 | |
| 78127-0419 | 41 | 22.60 | 20.00 | 21.90 | 21.10 | |
| 78127-0429 | 42 | 23.10 | 20.50 | 22.40 | 21.60 | |

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:GOH 2007/03/05
APPR:KLING 2007/03/05
DESCRIPTION
REV

A1

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: YLQIAO DATE: 2006/05/05
CHECKED BY: BOKOK DATE: 2006/06/06
APPROVED BY: PTLIM DATE: 2006/06/06

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

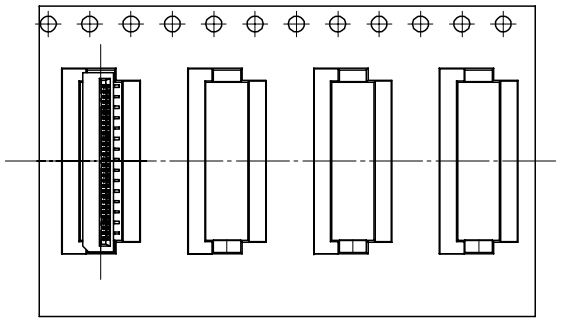
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 4 OF 7

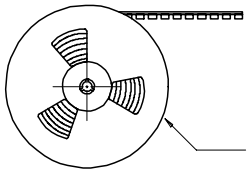
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

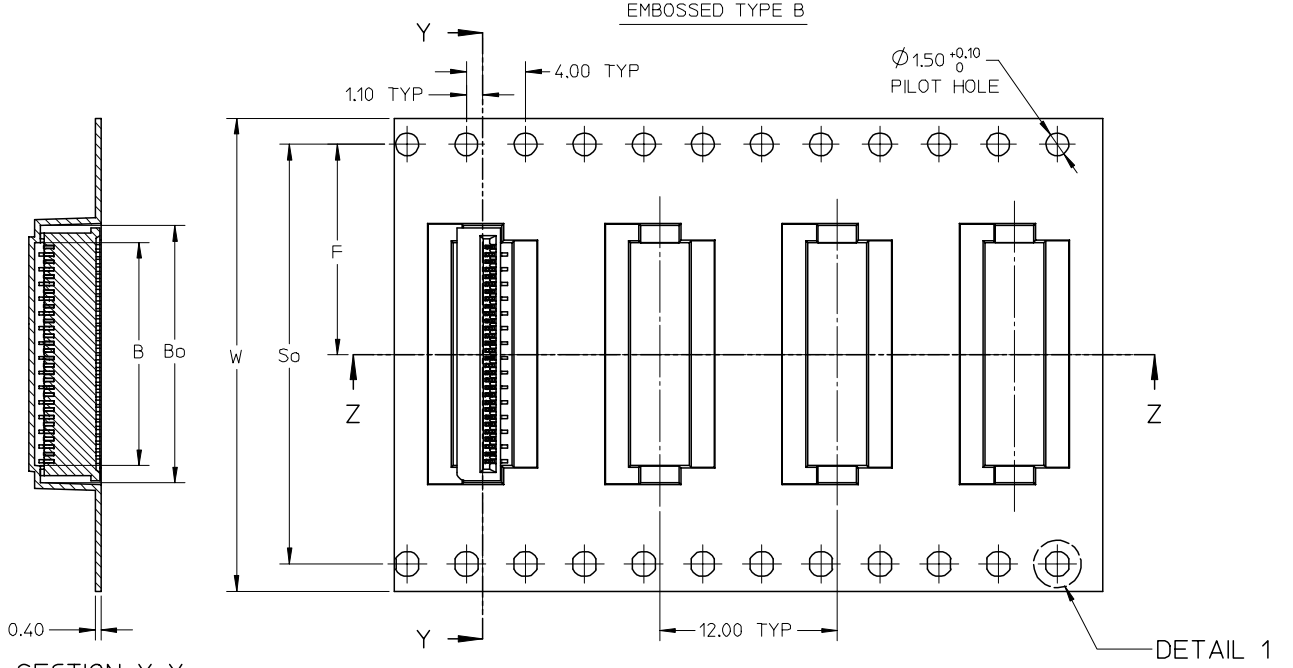
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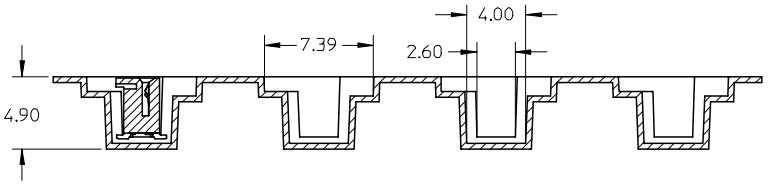
CUSTOMER
PULL OUT DIRECTION



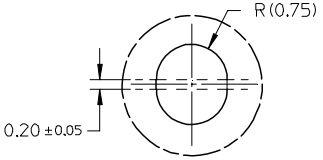

EMBOSSED TYPE B




SECTION Y-Y



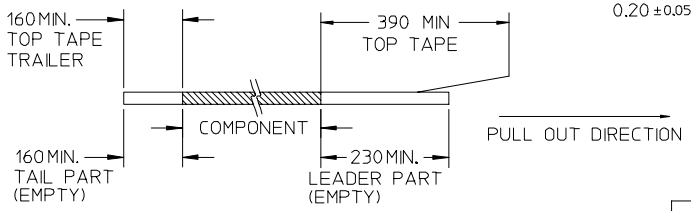

SECTION Z-Z



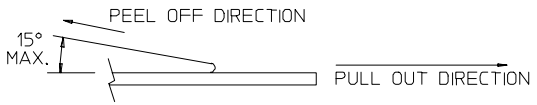

DETAIL 1

NOTES:

1. LEADER AND TRAILER TAPE




2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)




3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 1000 PCS/REEL

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:GOH 2007/03/05
APPR:KLING
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | NTS |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | YLQIAO |
| DATE | 2006/05/05 |
| CHECKED BY | BOKOK |
| DATE | 2006/06/06 |
| APPROVED BY | PTLIM |
| DATE | 2006/06/06 |
| MATERIAL NO. | SEE TABLE |
| SIZE | A3 |

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

MOLEX INCORPORATED

DOCUMENT NO. SD-78127-001

SHEET NO. 5 OF 7

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

## GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS

| ASSY P/N PACKED IN T&R | ASSY P/N W/O PACKAGING | CKT | W | So | F | Bo | B | EMBOSSED TYPE |
|---|---|---|---|---|---|---|---|---|
| 78127-1068 | 78127-0068 | 6 | 24.00 | - | 11.50 | 5.40 | 3.10 | A |
| 78127-1078 | 78127-0078 | 7 | 24.00 | - | 11.50 | 5.90 | 3.60 | |
| 78127-1088 | 78127-0088 | 8 | 24.00 | - | 11.50 | 6.40 | 4.10 | |
| 78127-1098 | 78127-0098 | 9 | 24.00 | - | 11.50 | 6.90 | 4.60 | |
| 78127-1108 | 78127-0108 | 10 | 24.00 | - | 11.50 | 7.40 | 5.10 | |
| 78127-1118 | 78127-0118 | 11 | 24.00 | - | 11.50 | 7.90 | 5.60 | |
| 78127-1128 | 78127-0128 | 12 | 24.00 | - | 11.50 | 8.40 | 6.10 | |
| 78127-1138 | 78127-0138 | 13 | 24.00 | - | 11.50 | 8.90 | 6.60 | |
| 78127-1148 | 78127-0148 | 14 | 24.00 | - | 11.50 | 9.40 | 7.10 | |
| 78127-1158 | 78127-0158 | 15 | 24.00 | - | 11.50 | 9.90 | 7.60 | |
| 78127-1168 | 78127-0168 | 16 | 24.00 | - | 11.50 | 10.40 | 8.10 | |
| 78127-1178 | 78127-0178 | 17 | 24.00 | - | 11.50 | 10.90 | 8.60 | |
| 78127-1188 | 78127-0188 | 18 | 24.00 | - | 11.50 | 11.40 | 9.10 | |
| 78127-1198 | 78127-0198 | 19 | 24.00 | - | 11.50 | 11.90 | 9.60 | |
| 78127-1208 | 78127-0208 | 20 | 24.00 | - | 11.50 | 12.40 | 10.10 | |
| 78127-1218 | 78127-0218 | 21 | 32.00 | 28.40 | 14.20 | 12.90 | 10.60 | B |
| 78127-1228 | 78127-0228 | 22 | 32.00 | 28.40 | 14.20 | 13.40 | 11.10 | |
| 78127-1238 | 78127-0238 | 23 | 32.00 | 28.40 | 14.20 | 13.90 | 11.60 | |
| 78127-1248 | 78127-0248 | 24 | 32.00 | 28.40 | 14.20 | 14.40 | 12.10 | |
| 78127-1258 | 78127-0258 | 25 | 32.00 | 28.40 | 14.20 | 14.90 | 12.60 | |
| 78127-1268 | 78127-0268 | 26 | 32.00 | 28.40 | 14.20 | 15.40 | 13.10 | |
| 78127-1278 | 78127-0278 | 27 | 32.00 | 28.40 | 14.20 | 15.90 | 13.60 | |
| 78127-1288 | 78127-0288 | 28 | 32.00 | 28.40 | 14.20 | 16.40 | 14.10 | |
| 78127-1298 | 78127-0298 | 29 | 32.00 | 28.40 | 14.20 | 16.90 | 14.60 | |
| 78127-1308 | 78127-0308 | 30 | 32.00 | 28.40 | 14.20 | 17.40 | 15.10 | |

| ASSY P/N PACKED IN T&R | ASSY P/N W/O PACKAGING | CKT | W | So | F | Bo | B | EMBOSSED TYPE |
|---|---|---|---|---|---|---|---|---|
| 78127-1318 | 78127-0318 | 31 | 32.00 | 28.40 | 14.20 | 17.90 | 15.60 | B |
| 78127-1328 | 78127-0328 | 32 | 32.00 | 28.40 | 14.20 | 18.40 | 16.10 | |
| 78127-1338 | 78127-0338 | 33 | 32.00 | 28.40 | 14.20 | 18.90 | 16.60 | |
| 78127-348 | 78127-0348 | 34 | 32.00 | 28.40 | 14.20 | 19.40 | 17.10 | |
| 78127-1358 | 78127-0358 | 35 | 32.00 | 28.40 | 14.20 | 19.90 | 17.60 | |
| 78127-1368 | 78127-0368 | 36 | 32.00 | 28.40 | 14.20 | 20.40 | 18.10 | |
| 78127-1378 | 78127-0378 | 37 | 32.00 | 28.40 | 14.20 | 20.90 | 18.60 | |
| 78127-1388 | 78127-0388 | 38 | 32.00 | 28.40 | 14.20 | 21.40 | 19.10 | |
| 78127-1398 | 78127-0398 | 39 | 44.00 | 40.40 | 20.20 | 21.90 | 19.60 | |
| 78127-1408 | 78127-0408 | 40 | 44.00 | 40.40 | 20.20 | 22.40 | 20.10 | |
| 78127-1418 | 78127-0418 | 41 | 44.00 | 40.40 | 20.20 | 22.90 | 20.60 | |
| 78127-1428 | 78127-0428 | 42 | 44.00 | 40.40 | 20.20 | 23.40 | 21.10 | |

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:GOH 2007/03/05
APPR:KLING 2007/03/05
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: YLQIAO DATE: 2006/05/05
CHECKED BY: BOKOK DATE: 2006/06/06
APPROVED BY: PTLIM DATE: 2006/06/06

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 6 OF 7

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

| ASSY P/N PACKED IN T&R | ASSY P/N W/O PACKAGING | CKT | W | So | F | Bo | B | EMBOSSED TYPE |
|---|---|---|---|---|---|---|---|---|
| 78127-1069 | 78127-0069 | 6 | 24.00 | - | 11.50 | 5.40 | 3.10 | A |
| 78127-1079 | 78127-0079 | 7 | 24.00 | - | 11.50 | 5.90 | 3.60 | |
| 78127-1089 | 78127-0089 | 8 | 24.00 | - | 11.50 | 6.40 | 4.10 | |
| 78127-1099 | 78127-0099 | 9 | 24.00 | - | 11.50 | 6.90 | 4.60 | |
| 78127-1109 | 78127-0109 | 10 | 24.00 | - | 11.50 | 7.40 | 5.10 | |
| 78127-1119 | 78127-0119 | 11 | 24.00 | - | 11.50 | 7.90 | 5.60 | |
| 78127-1129 | 78127-0129 | 12 | 24.00 | - | 11.50 | 8.40 | 6.10 | |
| 78127-1139 | 78127-0139 | 13 | 24.00 | - | 11.50 | 8.90 | 6.60 | |
| 78127-1149 | 78127-0149 | 14 | 24.00 | - | 11.50 | 9.40 | 7.10 | |
| 78127-1159 | 78127-0159 | 15 | 24.00 | - | 11.50 | 9.90 | 7.60 | |
| 78127-1169 | 78127-0169 | 16 | 24.00 | - | 11.50 | 10.40 | 8.10 | |
| 78127-1179 | 78127-0179 | 17 | 24.00 | - | 11.50 | 10.90 | 8.60 | |
| 78127-1189 | 78127-0189 | 18 | 24.00 | - | 11.50 | 11.40 | 9.10 | |
| 78127-1199 | 78127-0199 | 19 | 24.00 | - | 11.50 | 11.90 | 9.60 | |
| 78127-1209 | 78127-0209 | 20 | 24.00 | - | 11.50 | 12.40 | 10.10 | |
| 78127-1219 | 78127-0219 | 21 | 32.00 | 28.40 | 14.20 | 12.90 | 10.60 | B |
| 78127-1229 | 78127-0229 | 22 | 32.00 | 28.40 | 14.20 | 13.40 | 11.10 | |
| 78127-1239 | 78127-0239 | 23 | 32.00 | 28.40 | 14.20 | 13.90 | 11.60 | |
| 78127-1249 | 78127-0249 | 24 | 32.00 | 28.40 | 14.20 | 14.40 | 12.10 | |
| 78127-1259 | 78127-0259 | 25 | 32.00 | 28.40 | 14.20 | 14.90 | 12.60 | |
| 78127-1269 | 78127-0269 | 26 | 32.00 | 28.40 | 14.20 | 15.40 | 13.10 | |
| 78127-1279 | 78127-0279 | 27 | 32.00 | 28.40 | 14.20 | 15.90 | 13.60 | |
| 78127-1289 | 78127-0289 | 28 | 32.00 | 28.40 | 14.20 | 16.40 | 14.10 | |
| 78127-1299 | 78127-0299 | 29 | 32.00 | 28.40 | 14.20 | 16.90 | 14.60 | |
| 78127-1309 | 78127-0309 | 30 | 32.00 | 28.40 | 14.20 | 17.40 | 15.10 | |

| ASSY P/N PACKED IN T&R | ASSY P/N W/O PACKAGING | CKT | W | So | F | Bo | B | EMBOSSED TYPE |
|---|---|---|---|---|---|---|---|---|
| 78127-1319 | 78127-0319 | 31 | 32.00 | 28.40 | 14.20 | 17.90 | 15.60 | B |
| 78127-1329 | 78127-0329 | 32 | 32.00 | 28.40 | 14.20 | 18.40 | 16.10 | |
| 78127-1339 | 78127-0339 | 33 | 32.00 | 28.40 | 14.20 | 18.90 | 16.60 | |
| 78127-1349 | 78127-0349 | 34 | 32.00 | 28.40 | 14.20 | 19.40 | 17.10 | |
| 78127-1359 | 78127-0359 | 35 | 32.00 | 28.40 | 14.20 | 19.90 | 17.60 | |
| 78127-1369 | 78127-0369 | 36 | 32.00 | 28.40 | 14.20 | 20.40 | 18.10 | |
| 78127-1379 | 78127-0379 | 37 | 32.00 | 28.40 | 14.20 | 20.90 | 18.60 | |
| 78127-1389 | 78127-0389 | 38 | 32.00 | 28.40 | 14.20 | 21.40 | 19.10 | |
| 78127-1399 | 78127-0399 | 39 | 44.00 | 40.40 | 20.20 | 21.90 | 19.60 | |
| 78127-1409 | 78127-0409 | 40 | 44.00 | 40.40 | 20.20 | 22.40 | 20.10 | |
| 78127-1419 | 78127-0419 | 41 | 44.00 | 40.40 | 20.20 | 22.90 | 20.60 | |
| 78127-1429 | 78127-0429 | 42 | 44.00 | 40.40 | 20.20 | 23.40 | 21.10 | |

REVISED
EC NO: S2007-0721 2007/03/05
DRWN:BOKOK 2007/03/05
CHKD:GOH 2007/03/05
APPR:KLING 2007/03/05
DESCRIPTION
REV
A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.15 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | YLQIAO | 2006/05/05 |
| CHECKED BY | BOKOK | 2006/06/06 |
| APPROVED BY | PTLIM | 2006/06/06 |

TITLE: 0.50MM PITCH, FPC CONN. NON-ZIF, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78127-001
SHEET NO.: 7 OF 7
SIZE: A3

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