

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0358021589

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Vertical, Non-ZIF, Kinked PC Tails, 15 Circuits

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

35802

Comments

Use Pre-Notched

Overview

ffc\_fpc\_throughhole

Product Name

N/A

Physical

Circuits (Loaded)

15

Circuits (maximum)

15

Color - Resin

Natural

Contact Position

Top

Entry Angle

Vertical

Flammability

94V-0

Mated Height (in)

0.205 In

Mated Height (mm)

5.20 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Nylon

Number of Rows

1

Orientation

Vertical

PC Tail Length (in)

0.098 In

PC Tail Length (mm)

2.50 mm

PCB Locator

No

PCB Retention

None

PCB Thickness Recommended (in)

0.063 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tube

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Pitch - Term. Interface (in)

0.039 In

Pitch - Term. Interface (mm)

1.00 mm

Plating min: Mating (µin)

32.00

Plating min: Mating (µm)

0.800

Plating min: Termination (µin)

32.00

Plating min: Termination (µm)

0.80

Polarized to PCB

Yes

Stackable

No

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

-20°C to +80°C

Termination Interface: Style

Through Hole - Kinked Pin

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

0.2A, 0.4A, 0.5A

Voltage - Maximum

50V AC (RMS)/DC

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](mailto: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

35802Series

**Material Info**

**Reference - Drawing Numbers**

|                         |                             |
|-------------------------|-----------------------------|
| Packaging Specification | PK-35802-001                |
| Product Specification   | PS-35802-001                |
| Sales Drawing           | SD-35802-**30, SD-35802-010 |

This document was generated on 06/04/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

DO NOT SCALE DRAWING  
DIMENSION IN METRIC

B

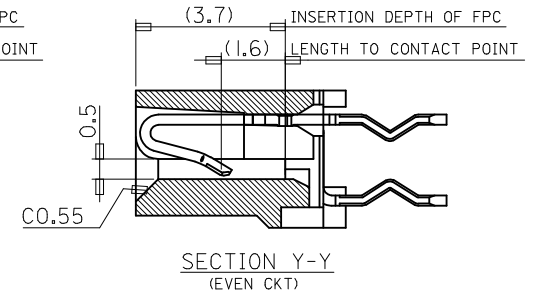
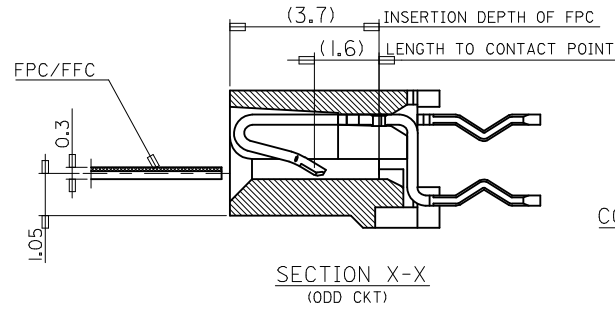
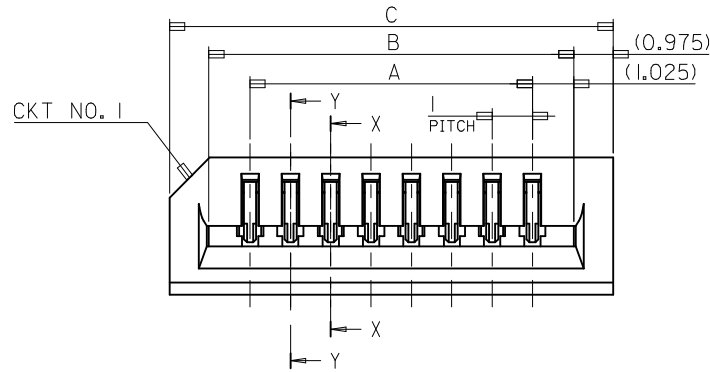
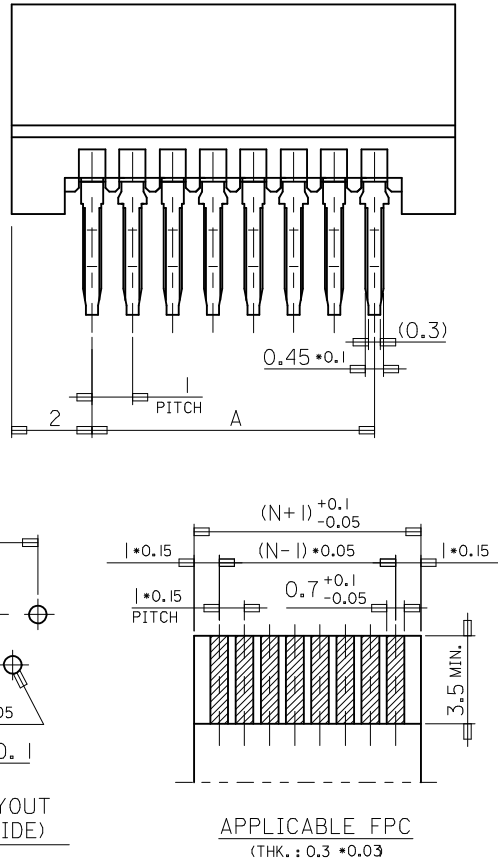
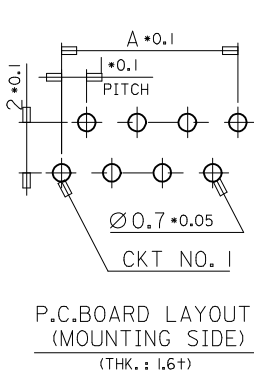
C

PROJECT NO.

SIMILAR ITEM

DWG. NO.

SD-35802-\*\*-30



### NOTES

#### 1. MATERIAL

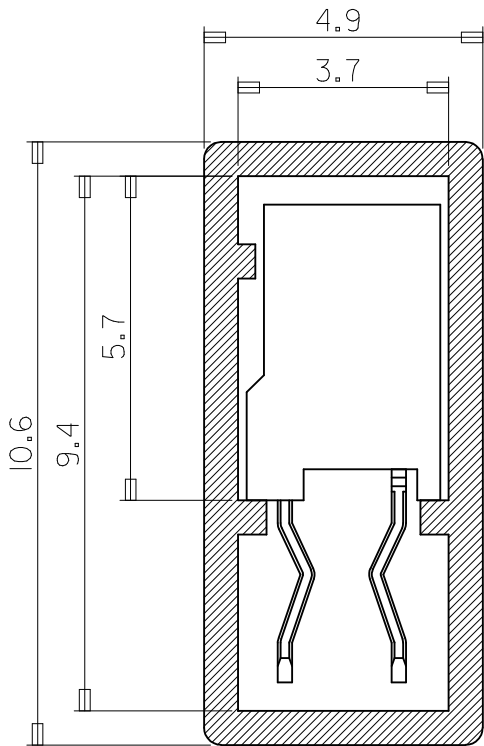
HOUSING : NYLON66 (UL 94V-0)  
(COLOR:WHITE)

TERMINAL : PHOSPHOR BRONZE  
TIN-PLATED

|    |       |    |            |         |
|----|-------|----|------------|---------|
| 33 | 31.05 | 29 | 35802-3030 | 30      |
| 32 | 30.05 | 28 | -2930      | 29      |
| 31 | 29.05 | 27 | -2830      | 28      |
| 30 | 28.05 | 26 | -2730      | 27      |
| 29 | 27.05 | 25 | -2630      | 26      |
| 28 | 26.05 | 24 | -2530      | 25      |
| 27 | 25.05 | 23 | -2430      | 24      |
| 26 | 24.05 | 22 | -2330      | 23      |
| 25 | 23.05 | 21 | -2230      | 22      |
| 24 | 22.05 | 20 | -2130      | 21      |
| 23 | 21.05 | 19 | -2030      | 20      |
| 22 | 20.05 | 18 | -1930      | 19      |
| 21 | 19.05 | 17 | -1830      | 18      |
| 20 | 18.05 | 16 | -1730      | 17      |
| 19 | 17.05 | 15 | -1630      | 16      |
| 18 | 16.05 | 14 | -1530      | 15      |
| 17 | 15.05 | 13 | -1430      | 14      |
| 16 | 14.05 | 12 | -1330      | 13      |
| 15 | 13.05 | 11 | -1230      | 12      |
| 14 | 12.05 | 10 | -1130      | 11      |
| 13 | 11.05 | 9  | -1030      | 10      |
| 12 | 10.05 | 8  | -0930      | 9       |
| 11 | 9.05  | 7  | -0830      | 8       |
| 10 | 8.05  | 6  | -0730      | 7       |
| 9  | 7.05  | 5  | -0630      | 6       |
| 8  | 6.05  | 4  | -0530      | 5       |
| 7  | 5.05  | 3  | -0430      | 4       |
| 6  | 4.05  | 2  | 35802-0330 | 3       |
| C  | B     | A  | ENG NO.    | CKT NO. |

|                                                                                          |             |                                                  |                                                         |      |                                      |                                                                                      |                                                                                                                                   |                                                                                                                  |                       |                                      |
|------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|---------------------------------------------------------|------|--------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------|
| REVISED<br>EC NO. KOR2000-0038<br>DRWN: H.S.SHIN 00.5.29<br>CHK: J.K.OH<br>APPR: C.W.LEE | DESCRIPTION | QUALITY SYMBOLS                                  | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)               |      | SCALE<br>8-1                         | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |  THIRD ANGLE<br>PROJECTION                   | <input type="checkbox"/> mm<br>INCH <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY |                                      |
|                                                                                          |             | <div>MAJOR<br/>=</div> <div>CRITICAL<br/>=</div> | mm                                                      | INCH | DRAWN BY & DATE<br>H.S.SHIN 97.10.22 | TITLE:<br>I.O PITCH FFC/FPC CONN.<br>NON-ZIF(DIP) HSG ASS'Y                          |                                                                                                                                   |                                                                                                                  |                       |                                      |
|                                                                                          |             |                                                  | 4 PLACES                                                | ±.   | ±.                                   |                                                                                      |                                                                                                                                   |                                                                                                                  |                       | CHECKED BY & DATE<br>J.K.OH 97.10.22 |
|                                                                                          |             |                                                  | 3 PLACES                                                | ±.   | ±.                                   | APPROVED BY & DATE<br>C.W.LEE 97.10.22                                               |  MOLEX INCORPORATED<br>KOREA                 |                                                                                                                  |                       |                                      |
|                                                                                          |             |                                                  | 2 PLACES                                                | ±.   | ±.                                   | CAD FILENAME<br>S35802LG.DGN                                                         |                                                                                                                                   |                                                                                                                  |                       |                                      |
|                                                                                          | 1 PLACE     | ±. 2                                             | ±.                                                      |      |                                      |                                                                                      |                                                                                                                                   |                                                                                                                  |                       |                                      |
| REV                                                                                      |             |                                                  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |      |                                      |                                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                                                  |                       | SIZE<br>B                            |

MX-A3



NOTE

1. ENG NO.

| HSG ASS'Y   | PACKING     | SHAPE |      |
|-------------|-------------|-------|------|
|             |             | TAIL  | KINK |
| 35802-***10 | 35802-***19 | 3.2   | 0    |
| 35802-***20 | 35802-***29 | 3.2   | X    |
| 35802-***30 | 35802-***89 | 2.5   | 0    |
| 35802-***40 | 35802-***49 | 2.5   | X    |

2. MATERIAL : PVC

3. TUBE LENGTH : 550mm

|      |     |      |     |
|------|-----|------|-----|
| 15   | 30  | 20   | 22  |
| 16   | 29  | 21   | 21  |
|      | 28  | 20   | 20  |
| 17   | 27  | 22   | 19  |
|      | 26  | 24   | 18  |
| 18   | 25  | 25   | 17  |
| 19   | 24  | 27   | 16  |
|      | 23  | 28   | 15  |
| Q'TY | CKT | 30   | 14  |
|      |     | 32   | 13  |
|      |     | 34   | 12  |
|      |     | 37   | 11  |
|      |     | 40   | 10  |
|      |     | 43   | 9   |
|      |     | 47   | 8   |
|      |     | 52   | 7   |
|      |     | 57   | 6   |
|      |     | 65   | 5   |
|      |     | 74   | 4   |
|      |     | 85   | 3   |
| Q'TY | CKT | Q'TY | CKT |

|                                                                                                |             |                                            |                                                         |      |      |                                                                                                                                   |                                                                                      |                            |                                                                                                                      |                             |     |                  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|---------------------------------------------------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------|-----|------------------|--|--|--|--|--|
| NEW RELEASED<br>EC NO. KOR2002-0037<br>DRWN: H.S.SHIN 01.10.30<br>CHK: J.K.OH<br>APPR: C.W.LEE | DESCRIPTION | QUALITY SYMBOLS<br>MAJOR =<br>CRITICAL C = | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)               |      |      | SCALE<br>8-1                                                                                                                      | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE PROJECTION     | DIMENSIONS:<br><input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY |                             | SHT | REV              |  |  |  |  |  |
|                                                                                                |             |                                            |                                                         | mm   | INCH | DRAWN BY & DATE<br>H.S.SHIN 97.7.31                                                                                               |                                                                                      |                            | TITLE:<br>TUBE PACKING<br>FOR 35802 SERIES                                                                           |                             |     |                  |  |  |  |  |  |
|                                                                                                |             |                                            | 4 PLACES                                                | ±0.  | ±.   | CHECKED BY & DATE<br>J.K.OH 97.7.31                                                                                               |                                                                                      |                            | MOLEX INCORPORATED<br>KOREA                                                                                          |                             |     |                  |  |  |  |  |  |
|                                                                                                |             |                                            | 3 PLACES                                                | ±0.  | ±.   | APPROVED BY & DATE<br>C.W.LEE 97.7.31                                                                                             |                                                                                      |                            |                                                                                                                      |                             |     |                  |  |  |  |  |  |
| A                                                                                              | REV         |                                            | 2 PLACES                                                | ±0.  | ±.   | CAD FILENAME<br>SPK35802.DGN                                                                                                      |                                                                                      | MATERIAL NO.<br>35802-***9 |                                                                                                                      | DRAWING NO.<br>SD-35802-010 |     | SHEET NO.<br>1/1 |  |  |  |  |  |
|                                                                                                |             |                                            | 1 PLACE                                                 | ±0.3 | ±.   | ANGULAR: ±   °                                                                                                                    |                                                                                      |                            |                                                                                                                      |                             |     |                  |  |  |  |  |  |
|                                                                                                |             |                                            | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |      |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                      |                            |                                                                                                                      |                             |     |                  |  |  |  |  |  |
| SIZE<br>A                                                                                      |             |                                            |                                                         |      |      |                                                                                                                                   |                                                                                      |                            |                                                                                                                      |                             |     |                  |  |  |  |  |  |