

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

**Part Number:** [0894858201](#)  
**Status:** **Active**  
**Description:** Universal Serial Bus (USB) Shielded I/O Type A Receptacle, Single Upright, Right Angle, Terminal Length 2.00mm (.079"), Without Mylar, 0.76µm (30µ") Gold (Au) Plating, Tube Package, Lead Free

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-89485 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

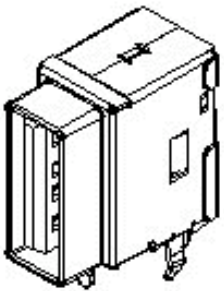
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | I/O Connectors        |
| Series         | <a href="#">89485</a> |
| Application    | Wire-to-Board         |
| Comments       | Without Mylar         |
| Component Type | Receptacle            |
| Product Name   | USB                   |
| Type           | A                     |

**Physical**

|                                |                    |
|--------------------------------|--------------------|
| Boot Color                     | N/A                |
| Circuits (Loaded)              | 4                  |
| Circuits (maximum)             | 4                  |
| Flammability                   | 94V-0              |
| Gender                         | Male               |
| Lock to Mating Part            | Yes                |
| Material - Plating Mating      | Gold               |
| Material - Plating Termination | Tin                |
| Number of Rows                 | 1                  |
| Orientation                    | Upright            |
| PC Tail Length (in)            | 0.079 In           |
| PC Tail Length (mm)            | 2.00 mm            |
| PCB Locator                    | Yes                |
| PCB Retention                  | Yes                |
| PCB Thickness Recommended (in) | 0.062 In           |
| PCB Thickness Recommended (mm) | 1.60 mm            |
| Packaging Type                 | Tube               |
| Panel Mount                    | No                 |
| Pitch - Mating Interface (in)  | 0.079 In, 0.098 In |
| Pitch - Mating Interface (mm)  | 2.00 mm, 2.50 mm   |
| Pitch - Term. Interface (in)   | 0.055 In           |
| Pitch - Term. Interface (mm)   | 1.40 mm            |
| Plating min: Mating (µin)      | 30                 |
| Plating min: Mating (µm)       | 0.76               |
| Polarized to Mating Part       | Yes                |
| Polarized to PCB               | Yes                |
| Ports                          | 1                  |
| Surface Mount Compatible (SMC) | No                 |
| Temperature Range - Operating  | 125°C              |
| Termination Interface: Style   | Through Hole       |
| Waterproof / Dustproof         | No                 |



Series

image - Reference only

**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**

[89485Series](#)

**Mates With**

[88740](#) USB Type A Cable Plug

**Electrical**

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1A            |
| Shield Type                   | Full Shield   |
| Shielded                      | Yes           |
| Voltage - Maximum             | 750V AC (RMS) |

**Solder Process Data**

|                              |                        |
|------------------------------|------------------------|
| Lead-free Process Capability | Wave Capable (TH only) |
|------------------------------|------------------------|

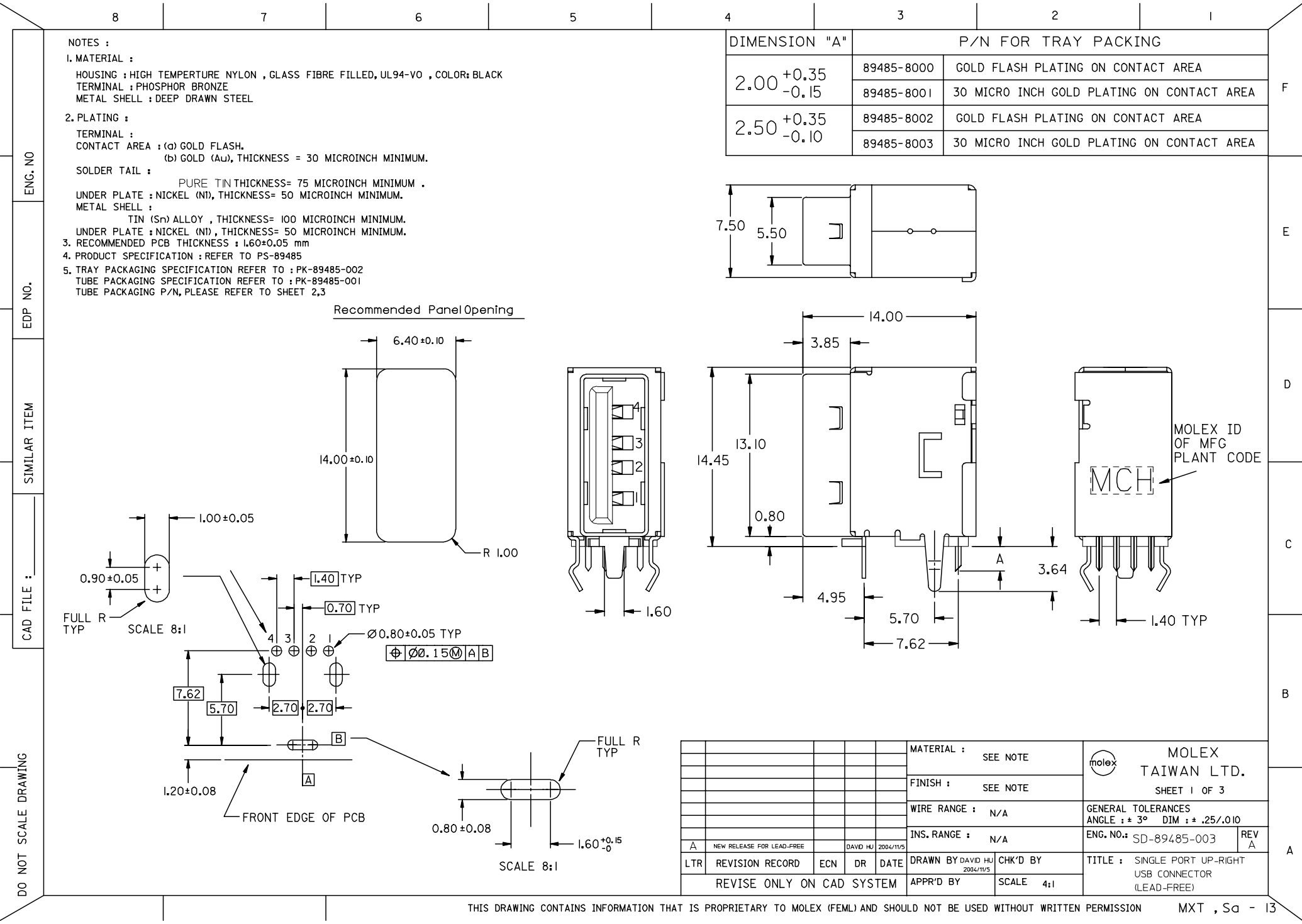
**Material Info**

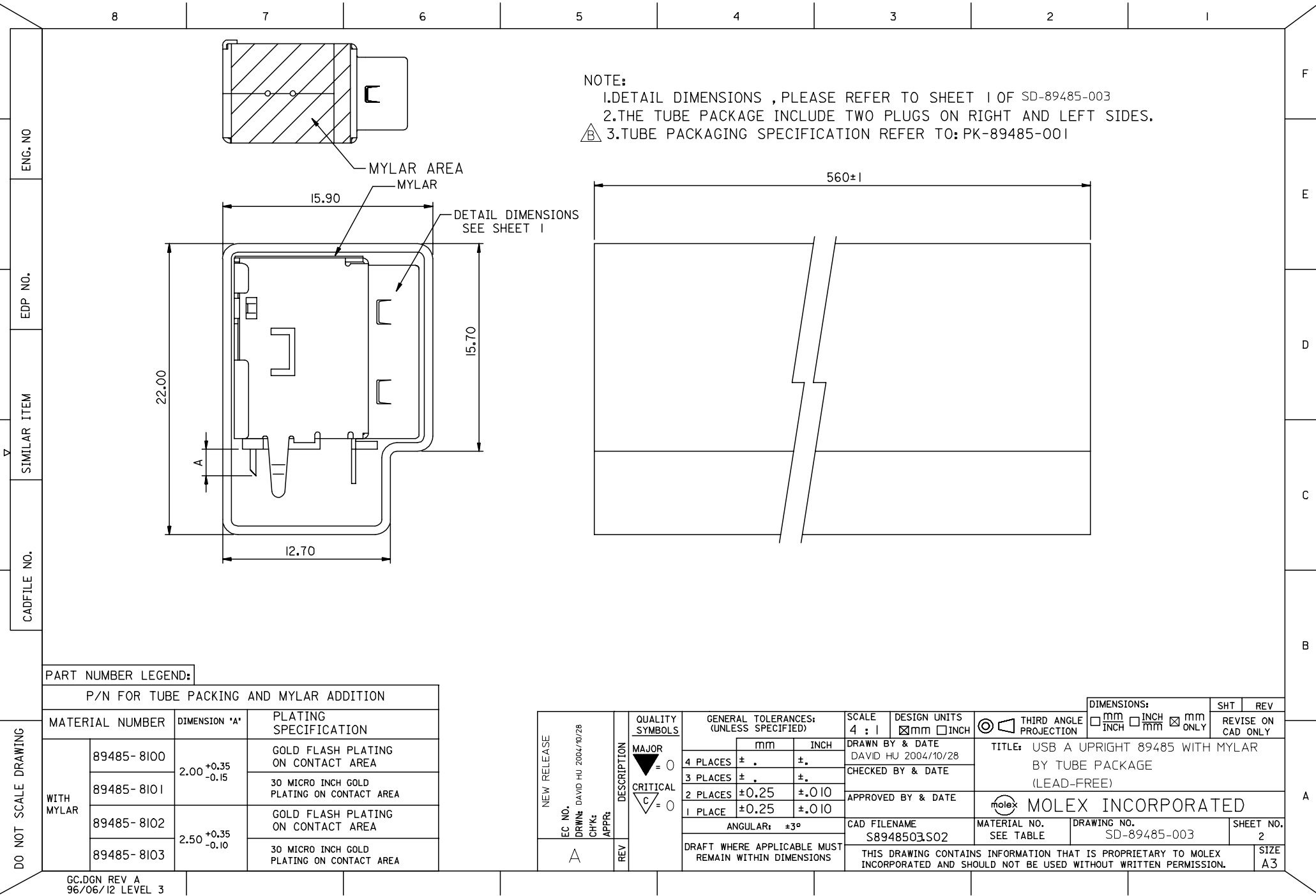
**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-89485-001 |
| Product Specification   | PS-89485     |
| Sales Drawing           | SD-89485-003 |

This document was generated on 05/25/2010

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NOTE:

## 1.MATERIAL:

HOUSING:HIGH TEMPERATURE NYLON,GLASS FIBRE FILLED,UL94-V0,COLOR:BLACK  
TERMINAL:PHOSPHOR BRONZE  
METAL SHELL:DEEP DRAWN STEEL

## 2.PLATING:

## TERMINAL:

(a)GOLD FLASH ON THE CONTACT AREA,AND 75MICROINCH MINIMUM  
PURE TIN ON SOLDER TAIL, UNDER 50MICROINCH MINIMUM Ni  
PLATE.

(b)30MICROINCH MINIMUM GOLD(Au) ON THE CONTACT AREA,  
AND 75MICROINCH MINIMUM PURE TIN ON SOLDER TAIL,UNDER  
50MICROINCH MINIMUM Ni UNDER PLATE.

(c)GOLD FLASH ON THE CONTACT AREA,AND 75MICROINCH MINIMUM  
MATTE TIN ON SOLDER TAIL,UNDER 50MICROINCH MINIMUM Ni  
PLATE.

## METAL SHELL:

(d)100MICROINCH MINIMUM BRIGHT TIN ON THE METAL SHELL,AND  
50MICROINCH MINIMUM Ni AND 100MICROINCH MINIMUM Cu PLATE.

(e)100MICROINCH MINIMUM MATTE TIN ON THE METAL SHELL,AND  
50MICROINCH MINIMUM Ni AND 100MICROINCH MINIMUM Cu PLATE.

3.RECOMMENDED PCB THICKNESS:1.60 ±0.05mm

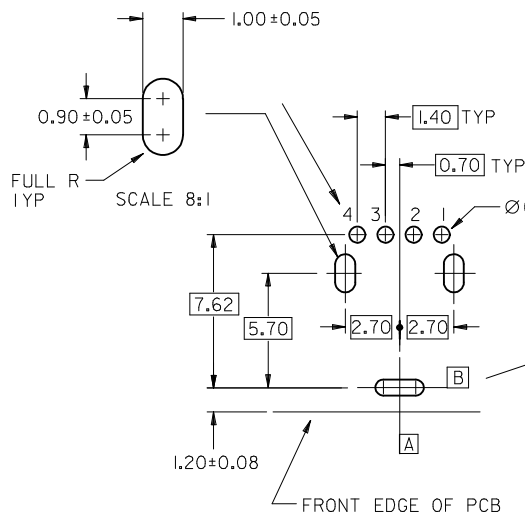
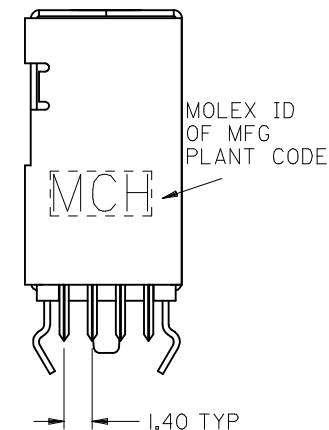
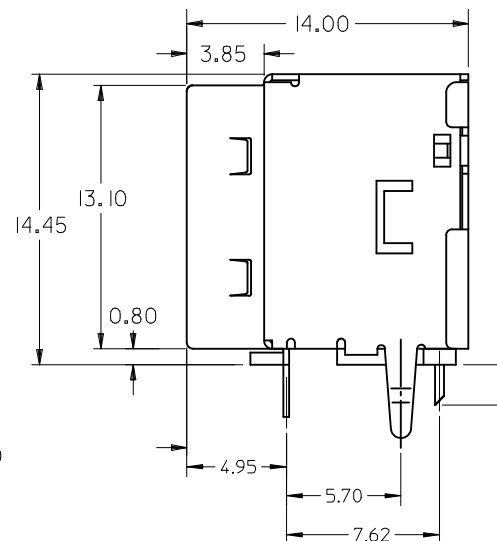
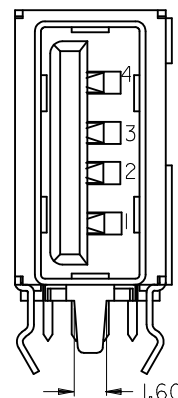
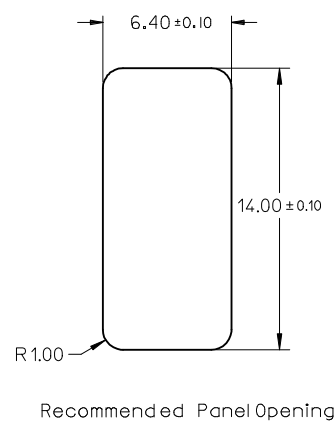
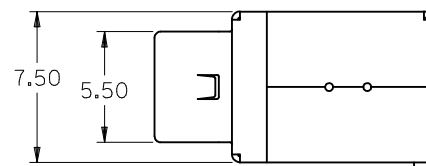
4.PRODUCT SPECIFICATION:REFER TO PS-89485

5. TRAY PACKAGING SPECIFICATION REFER TO:PK-89485-002

TUBE PACKAGING SPECIFICATION REFER TO:PK-89485-001

TUBE PACKAGING P/N,PLEASE REFER TO:SHEET2,3

| DIMENSION"A"                           | P/N        | PLATING          | TERMINAL CONTACT PLATING | TERMINAL SOLDER PLATING  | METAL SHELL PLATING       |
|----------------------------------------|------------|------------------|--------------------------|--------------------------|---------------------------|
| 2.00 <sup>+0.35</sup> <sub>-0.15</sub> | 89485-8000 | SEE NOTES(a)+(d) | GOLD FLASH               | 75 MICRO INCH BRIGHT TIN | 100 MICRO INCH BRIGHT TIN |
|                                        | 89485-8001 | SEE NOTES(b)+(d) | 30 MICRO INCH GOLD       |                          |                           |
| 2.50 <sup>+0.35</sup> <sub>-0.10</sub> | 89485-8002 | SEE NOTES(a)+(d) | GOLD FLASH               | 75 MICRO INCH BRIGHT TIN | 100 MICRO INCH BRIGHT TIN |
|                                        | 89485-8003 | SEE NOTES(b)+(d) | 30 MICRO INCH GOLD       |                          |                           |
|                                        | 89485-8012 | SEE NOTES(c)+(e) | GOLD FLASH               | 75 MICRO INCH MATTE TIN  | 100 MICRO INCH MATTE TIN  |



NEW RELEASE  
EC NO: SH2009-0233  
DRAWN:ZHAO  
CHKD:RZHANG  
APPR:HWANG  
2008/12/02  
2008/12/12  
2008/12/17

QUALITY  
SYMBOLS  
▽=0  
C=0  
DESCRIPTION  
REV

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

|               | mm     | INCH   |
|---------------|--------|--------|
| 4 PLACES      | ± ---  | ± ---  |
| 3 PLACES      | ± ---  | ± ---  |
| 2 PLACES      | ± 0.25 | ± .010 |
| 1 PLACE       | ± 0.25 | ± .010 |
| ANGULAR ± 3 ° |        |        |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY  
DAVID HU

CHECKED BY

APPROVED BY

MATERIAL NO.

SEE TABLE

SCALE  
4:1

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

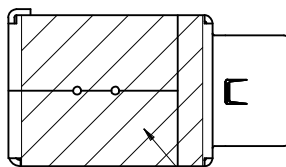
TITLE  
SINGLE PORT UP-RIGHT  
USB CONNECTOR  
LEAD-FREE

MOLEX INCORPORATED

DOCUMENT NO.  
SD-89485-003

SHEET NO.  
1 OF 3

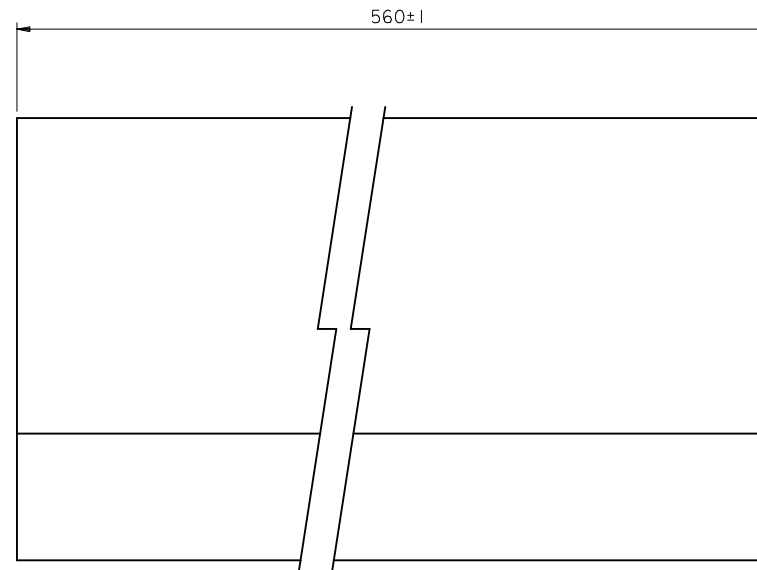
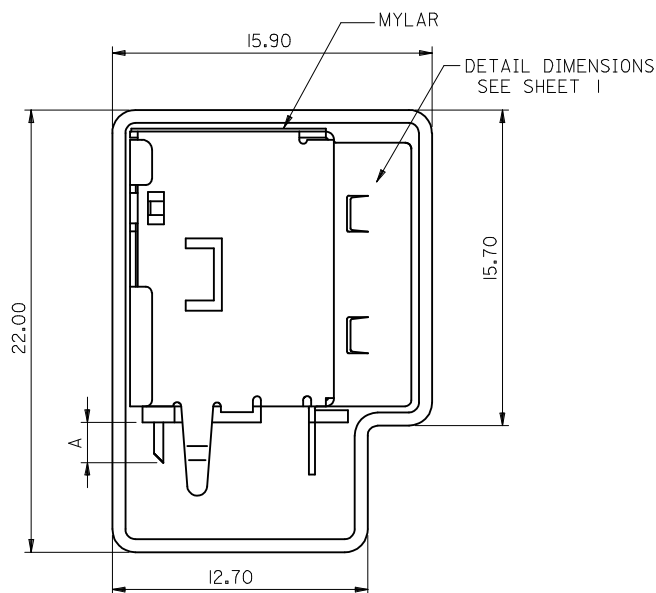
10 9 8 7 6 5 4 3 2 1



MYLAR AREA

NOTE:

- 1.DETAIL DIMENSIONS ,PLEASE REFER TO SHEET 1 OF SD-89485-003
- 2.THE TUBE PACKAGE INCLUDE TWO PLUGS ON RIGHT AND LEFT SIDES.
- 3.TUBE PACKAGING SPECIFICATION REFER TO: PK-89485-001



PART NUMBER LEGEND:

P/N FOR TUBE PACKING AND MYLAR ADDITION

| MATERIAL NUMBER |             | DIMENSION 'A'                          | PLATING SPECIFICATION                      |
|-----------------|-------------|----------------------------------------|--------------------------------------------|
| WITH MYLAR      | 89485- 8100 | 2.00 <sup>+0.35</sup> <sub>-0.15</sub> | GOLD FLASH PLATING ON CONTACT AREA         |
|                 | 89485- 8101 |                                        | 30 MICRO INCH GOLD PLATING ON CONTACT AREA |
|                 | 89485- 8102 | 2.50 <sup>+0.35</sup> <sub>-0.10</sub> | GOLD FLASH PLATING ON CONTACT AREA         |
|                 | 89485- 8103 |                                        | 30 MICRO INCH GOLD PLATING ON CONTACT AREA |

NEW RELEASE  
EC NO: SH2009-0233  
DR:WNEZHAO 2008/12/02  
CHKD:RZHANG 2008/12/12  
APPR:HWANG 2008/12/17

QUALITY SYMBOLS  
▽=0  
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|               | mm     | INCH   |
|---------------|--------|--------|
| 4 PLACES      | ± ---  | ± ---  |
| 3 PLACES      | ± ---  | ± ---  |
| 2 PLACES      | ± 0.25 | ± .010 |
| 1 PLACE       | ± 0.25 | ± .010 |
| ANGULAR ± 3 ° |        |        |

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

| DRAWN BY    | DATE |
|-------------|------|
| DAVID HU    |      |
| CHECKED BY  | DATE |
|             |      |
| APPROVED BY | DATE |
|             |      |

MATERIAL NO.  
SEE TABLE

SCALE  
4:1

DOCUMENT NO.  
SD-89485-003

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

SINGLE PORT UP-RIGHT  
USB CONNECTOR  
LEAD-FREE

MOLEX INCORPORATED

SHEET NO.  
2 OF 3

10 9 8 7 6 5 4 3 2 1

F

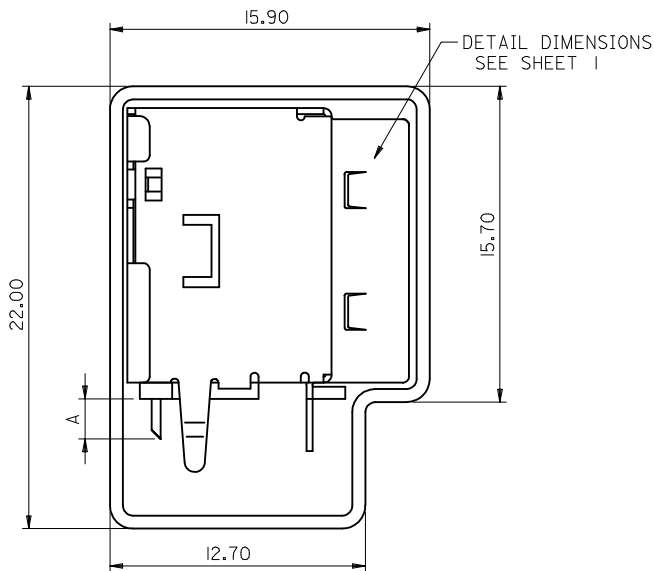
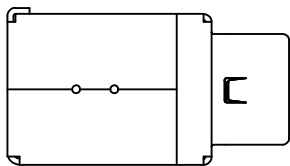
E

D

C

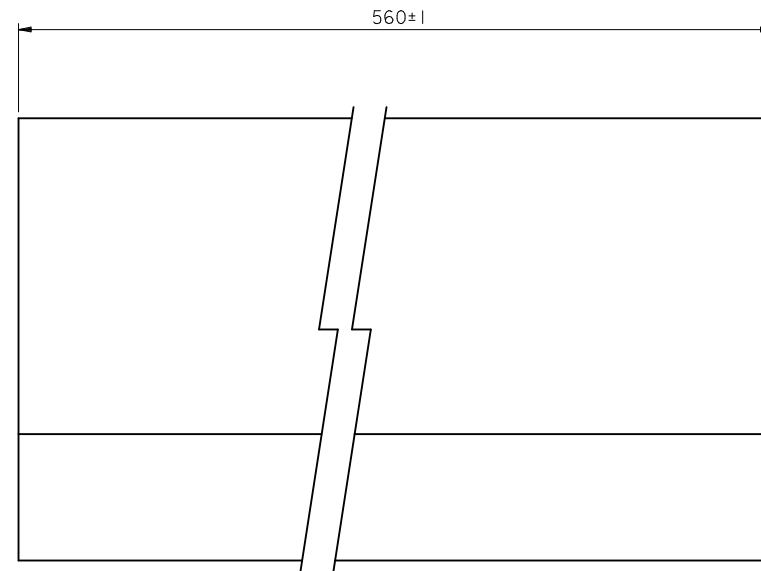
B

A



NOTE:

- 1.DETAIL DIMENSIONS , PLEASE REFER TO SHEET 1 OF SD-89485-003
- 2.THE TUBE PACKAGE INCLUDE TWO PLUGS ON RIGHT AND LEFT SIDES.
- 3.TUBE PACKAGING SPECIFICATION REFER TO: PK-89485-001



PART NUMBER LEGEND:

| P/N FOR TUBE PACKING |                                        |                                                       |
|----------------------|----------------------------------------|-------------------------------------------------------|
| MATERIAL NUMBER      | DIMENSION *A                           | PLATING SPECIFICATION                                 |
| WITHOUT MYLAR        | 2.00 <sup>+0.35</sup> <sub>-0.15</sub> | 89485-8200 GOLD FLASH PLATING ON CONTACT AREA         |
|                      |                                        | 89485-8201 30 MICRO INCH GOLD PLATING ON CONTACT AREA |
|                      | 2.50 <sup>+0.35</sup> <sub>-0.10</sub> | 89485-8202 GOLD FLASH PLATING ON CONTACT AREA         |
|                      |                                        | 89485-8203 30 MICRO INCH GOLD PLATING ON CONTACT AREA |

tb\_frame\_A3\_P\_AM\_T  
Rev. E 2006/04/15

|                                                                              |            |
|------------------------------------------------------------------------------|------------|
| NEW RELEASE<br>EC NO: SH2009-0233<br>DR:WNEZHAO<br>CHKD:RZHANG<br>APPR:HWANG | 2008/12/02 |
|                                                                              | 2008/12/12 |
|                                                                              | 2008/12/17 |
|                                                                              |            |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |        |
|------------------------------------------------------|--------|--------|
|                                                      | mm     | INCH   |
| 4 PLACES                                             | ± ---  | ± ---  |
| 3 PLACES                                             | ± ---  | ± ---  |
| 2 PLACES                                             | ± 0.25 | ± .010 |
| 1 PLACE                                              | ± 0.25 | ± .010 |
| ANGULAR ± 3 °                                        |        |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |        |

| DIMENSION STYLE |      |
|-----------------|------|
| MM ONLY         |      |
| DRAWN BY        | DATE |
| CHECKED BY      | DATE |
| APPROVED BY     | DATE |
| MATERIAL NO.    |      |
| SEE TABLE       |      |
| SIZE            | A3   |

|                                                                                                                 |                        |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>4:1                                                                                                    | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
| TITLE<br>SINGLE PORT UP-RIGHT<br>USB CONNECTOR<br>LEAD-FREE                                                     |                        |                                                                                                                 |
|  MOLEX INCORPORATED        |                        |                                                                                                                 |
| DOCUMENT NO.<br>SD-89485-003                                                                                    |                        | SHEET NO.<br>3 OF 3                                                                                             |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                 |

9 8 7 6 5 4 3 2 1

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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### Офис по работе с юридическими лицами:

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