

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0894858100](#)
Status: **Active**
Description: Universal Serial Bus (USB) Shielded I/O Type A Receptacle, Single Upright, Right Angle, Terminal Length 2.00mm (.079"), With Mylar, Gold (Au) Flash, Tube Package, Lead Free

Documents:

3D Model	Product Specification PS-89485 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

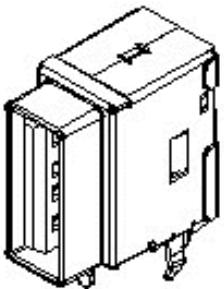
Product Family	I/O Connectors
Series	89485
Application	Wire-to-Board
Comments	With Mylar
Component Type	Receptacle
Product Name	USB
Type	A

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
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

Electrical

Current - Maximum per Contact	1A
-------------------------------	----



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
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](#)

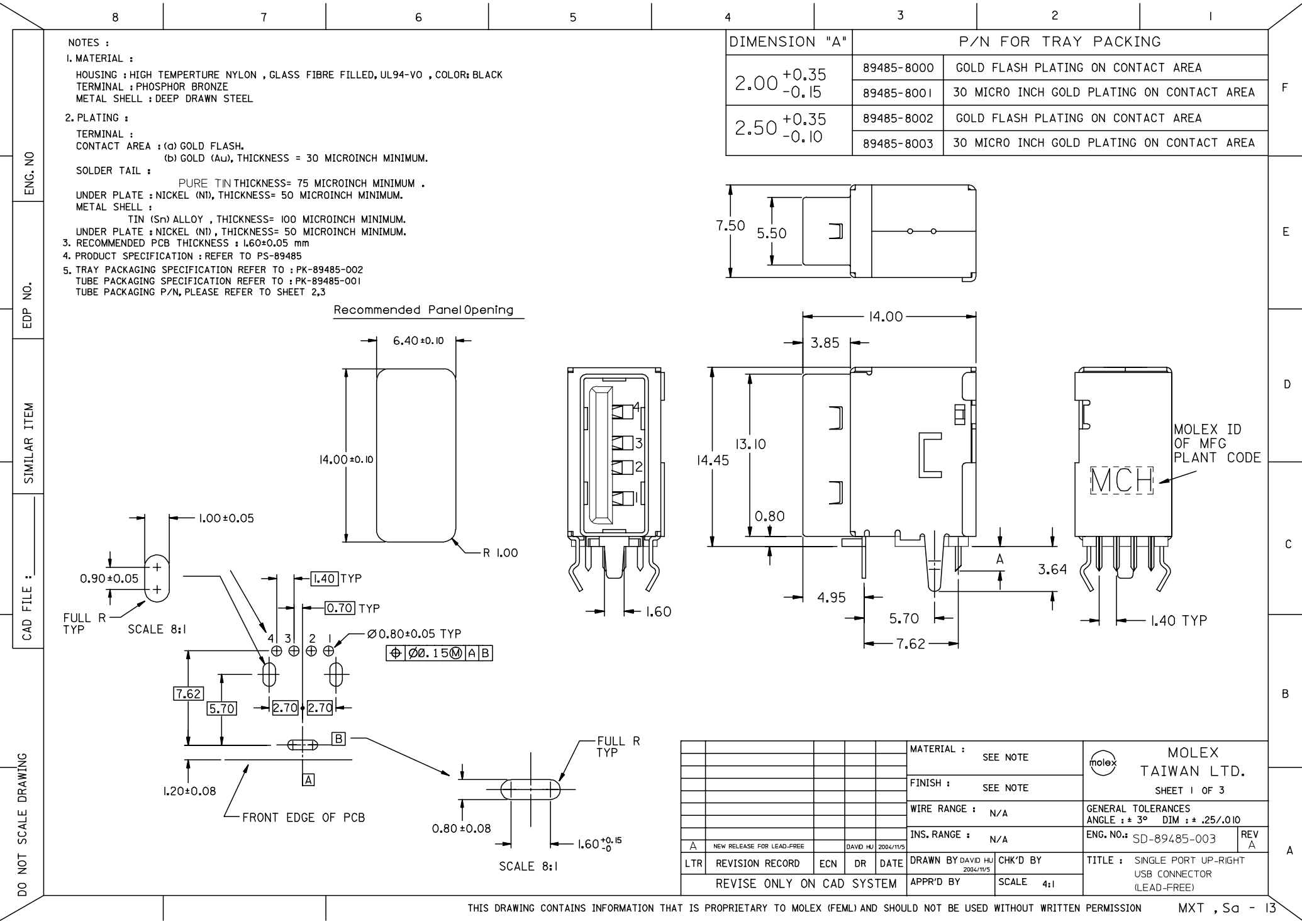
Mates With

[88740](#) USB Type A Cable Plug

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES :

1. MATERIAL :

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

2. PLATING :

TERMINAL :
CONTACT AREA : (a) GOLD FLASH,
(b) GOLD (Au), THICKNESS = 30 MICROINCH MINIMUM.

SOLDER TAIL :
PURE TIN THICKNESS= 75 MICROINCH MINIMUM .

UNDER PLATE : NICKEL (Ni), THICKNESS= 50 MICROINCH MINIMUM.

METAL SHELL :
TIN (Sn) ALLOY , THICKNESS= 100 MICROINCH MINIMUM.

UNDER PLATE : NICKEL (Ni), THICKNESS= 50 MICROINCH MINIMUM.

3. RECOMMENDED PCB THICKNESS : 1.60±0.05 mm

4. PRODUCT SPECIFICATION : REFER TO PS-89485

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

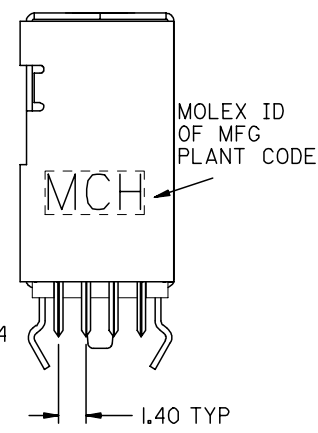
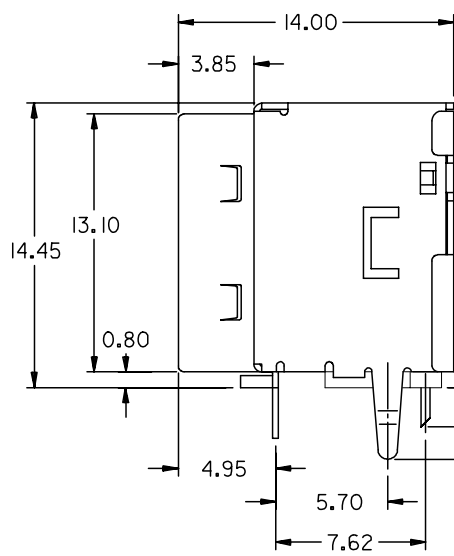
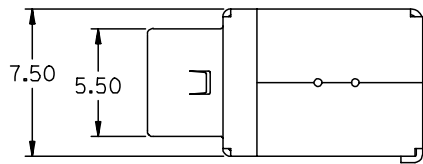
TUBE PACKAGING SPECIFICATION REFER TO : PK-89485-001

TUBE PACKAGING P/N, PLEASE REFER TO SHEET 2,3

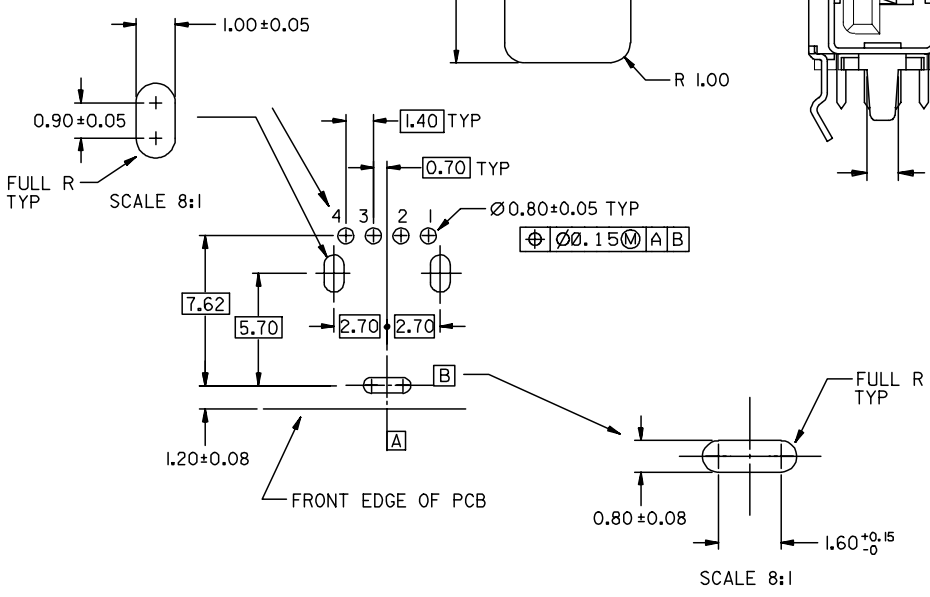
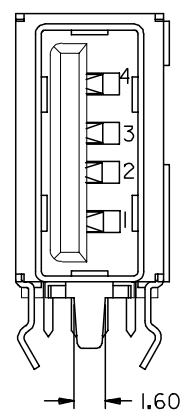
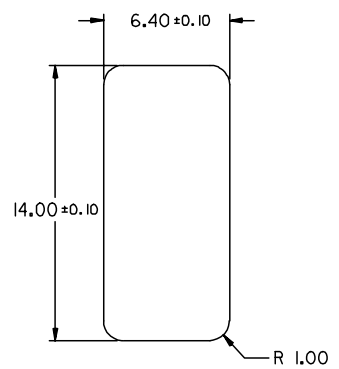
DIMENSION "A"

P/N FOR TRAY PACKING

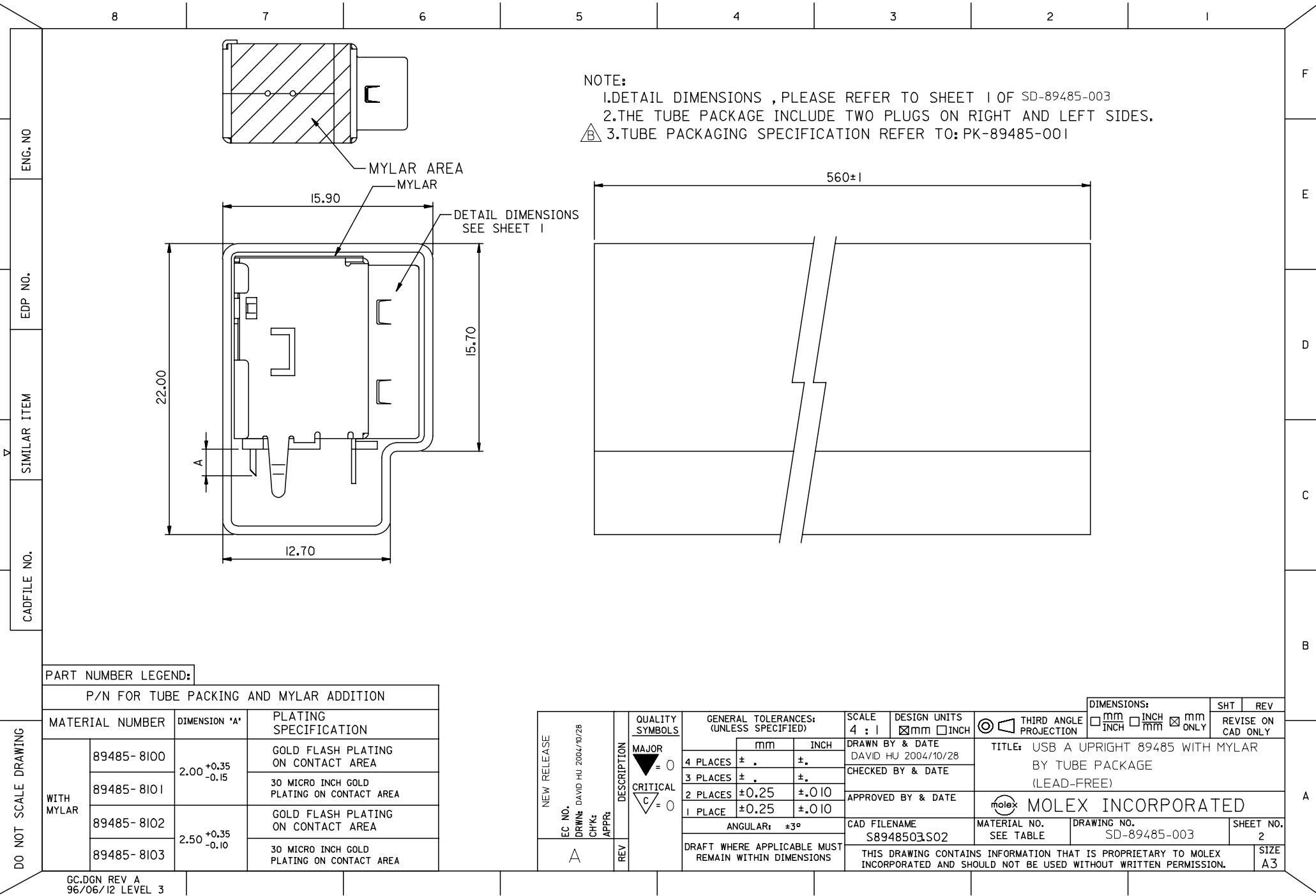
2.00 ^{+0.35} _{-0.15}	89485-8000	GOLD FLASH PLATING ON CONTACT AREA
	89485-8001	30 MICRO INCH GOLD PLATING ON CONTACT AREA
2.50 ^{+0.35} _{-0.10}	89485-8002	GOLD FLASH PLATING ON CONTACT AREA
	89485-8003	30 MICRO INCH GOLD PLATING ON CONTACT AREA



Recommended Panel Opening



						MATERIAL : SEE NOTE	 MOLEX TAIWAN LTD. SHEET 1 OF 3	
						FINISH : SEE NOTE		
						WIRE RANGE : N/A		
						INS. RANGE : N/A		
A	NEW RELEASE FOR LEAD-FREE			DAVID HJ	2004/11/5		GENERAL TOLERANCES ANGLE : ± 3° DIM : ± .25/.010	
LTR	REVISION RECORD	ECN	DR	DATE	DRAWN BY DAVID HJ 2004/11/5	CHK'D BY	ENG. NO.: SD-89485-003	REV A
REVISE ONLY ON CAD SYSTEM					APPR'D BY	SCALE 4:1	TITLE : SINGLE PORT UP-RIGHT USB CONNECTOR (LEAD-FREE)	



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

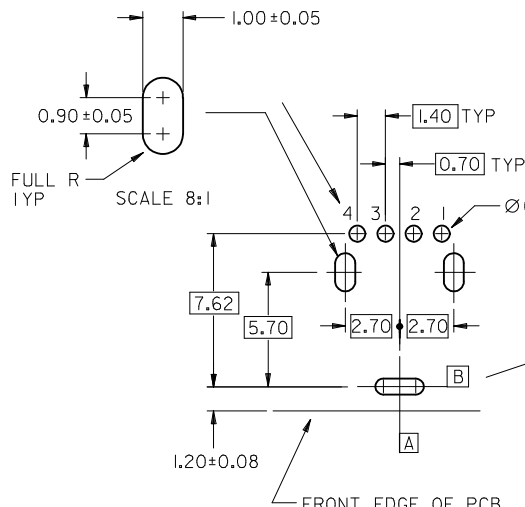
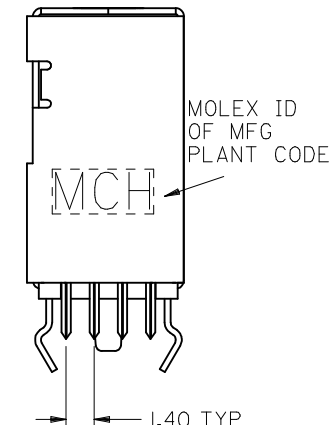
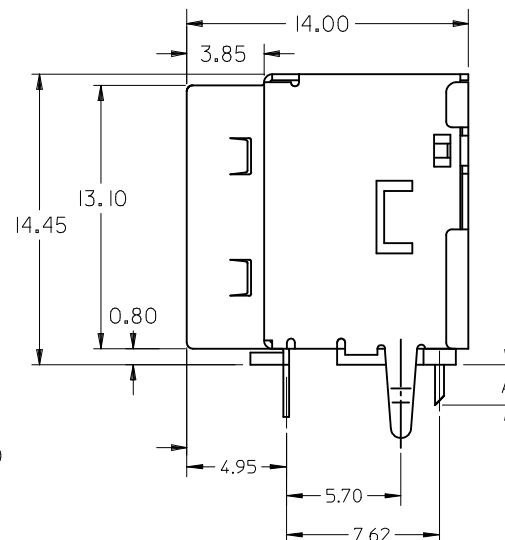
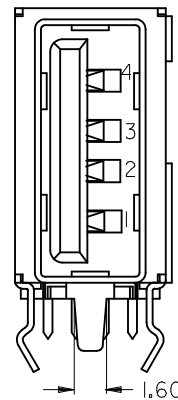
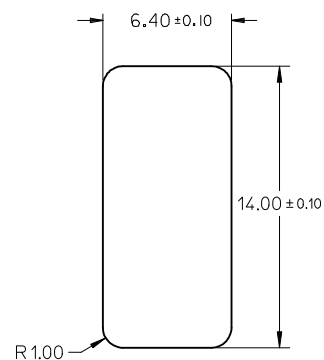
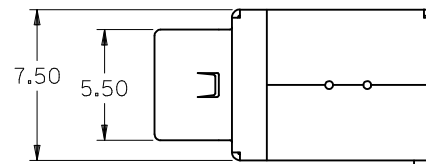
4.PRODUCT SPECIFICATION:REFER TO PS-89485

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 ^{+0.35} _{-0.15}	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 ^{+0.35} _{-0.10}	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:ZHANG
APPR:HWANG
2008/12/02
2008/12/12
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
DAVID HU

CHECKED BY

APPROVED BY

MATERIAL NO.

SEE TABLE

SCALE
4:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

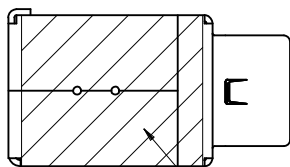
TITLE
SINGLE PORT UP-RIGHT
USB CONNECTOR
LEAD-FREE

MOLEX INCORPORATED

DOCUMENT NO.
SD-89485-003

SHEET NO.
1 OF 3

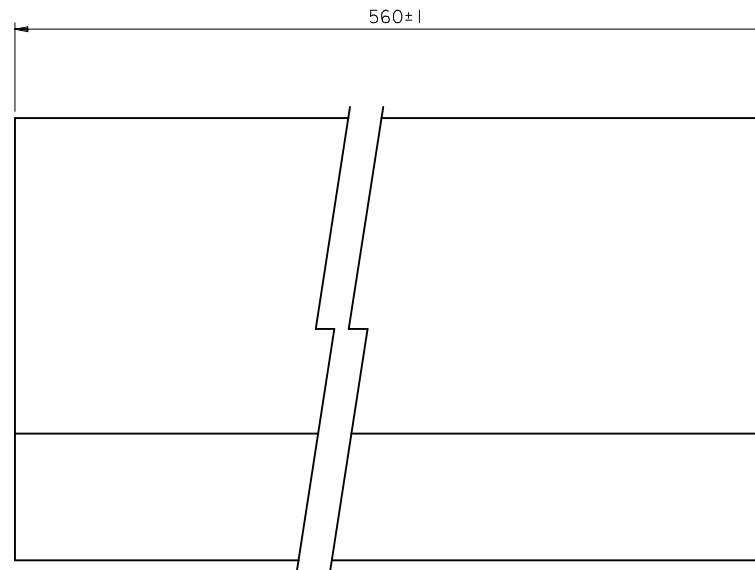
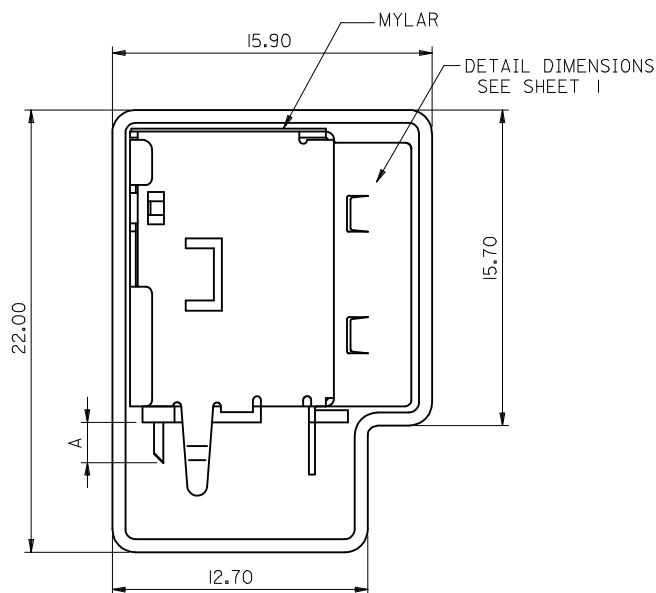
10 9 8 7 6 5 4 3 2 1



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 ^{+0.35} _{-0.15}	GOLD FLASH PLATING ON CONTACT AREA
	89485- 8101		30 MICRO INCH GOLD PLATING ON CONTACT AREA
	89485- 8102	2.50 ^{+0.35} _{-0.10}	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
D

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
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

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

F

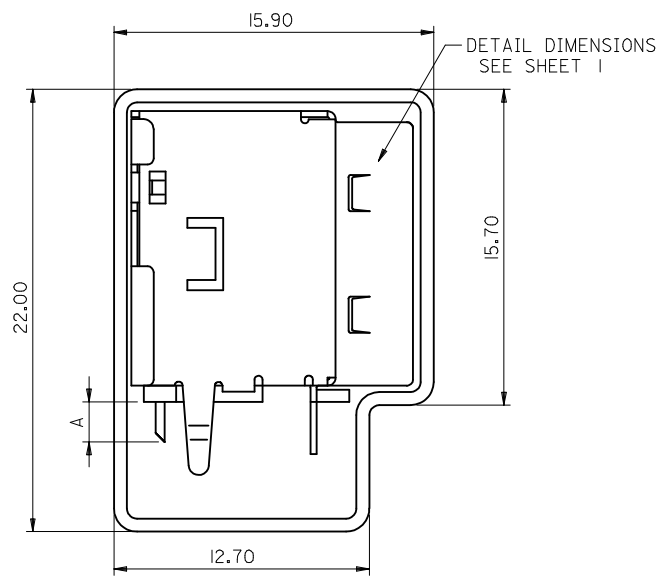
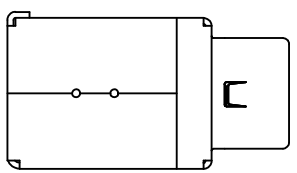
E

D

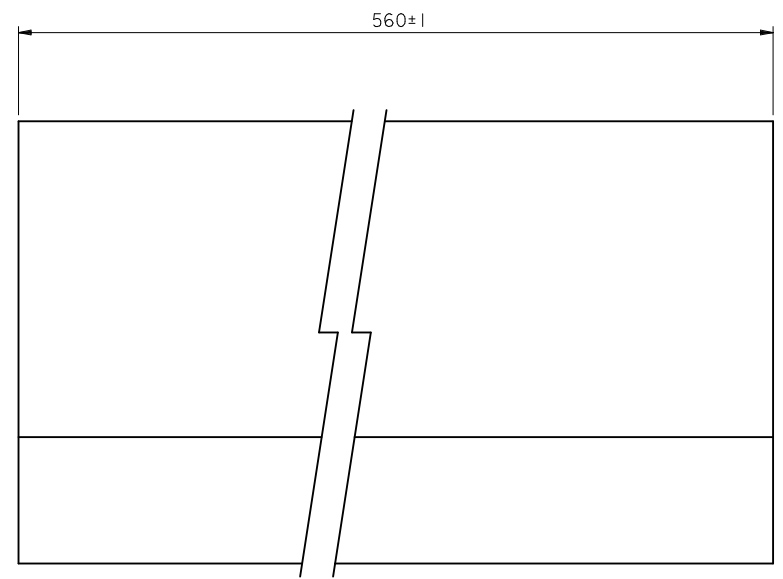
C

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 ^{+0.35} _{-0.15}	89485-8200 GOLD FLASH PLATING ON CONTACT AREA
		89485-8201 30 MICRO INCH GOLD PLATING ON CONTACT AREA
	2.50 ^{+0.35} _{-0.10}	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 EC NO: SH2009-0233 DRW:NEZHAO CHKD:RZHANG APPR:HWANG	2008/12/02	2008/12/12	2008/12/17
	DESCRIPTION	REV	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	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.	3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.