

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0894858002](#)
Status: **Active**
Description: Universal Serial Bus (USB) Shielded I/O Type A Receptacle, Single Upright, Right Angle, Terminal Length 2.50mm (.098"), Without Mylar, Gold (Au) Flash, Tray Package, Lead Free

Documents:
[3D Model](#) [Product Specification PS-89485 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

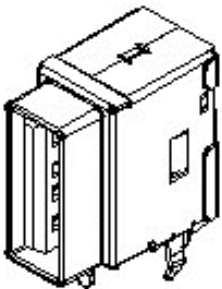
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [89485](#)
Application Wire-to-Board
Comments Without Mylar
Component Type Receptacle
Product Name USB
Type A

Physical

Boot Color N/A
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Black
Flammability 94V-0
Gender Male
Lock to Mating Part Yes
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Upright
PC Tail Length (in) 0.098 In
PC Tail Length (mm) 2.50 mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
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



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

Electrical

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

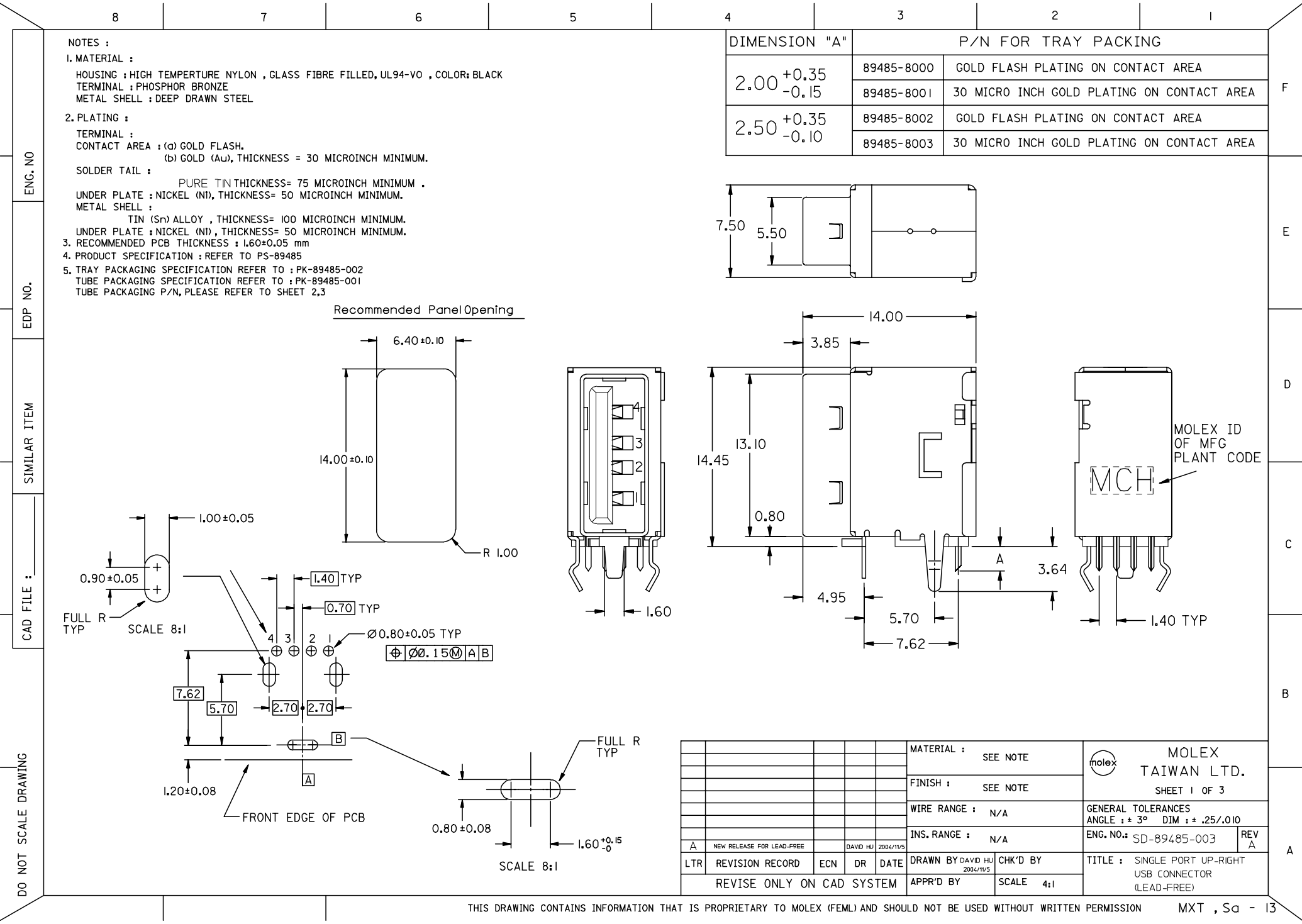
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-89485-002
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

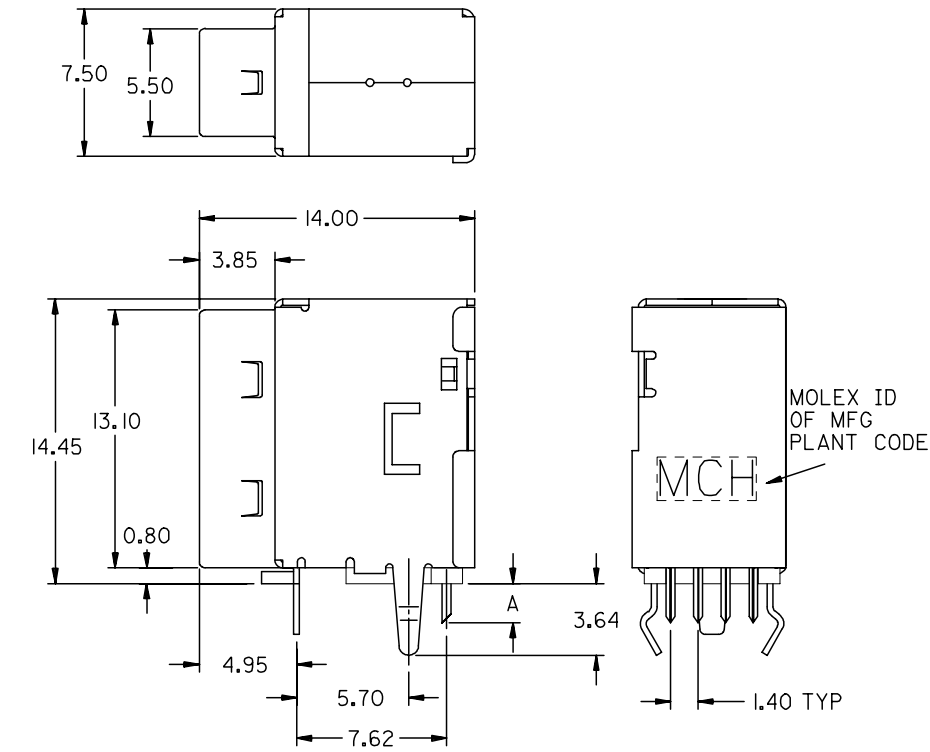
4. PRODUCT SPECIFICATION : REFER TO PS-89485

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

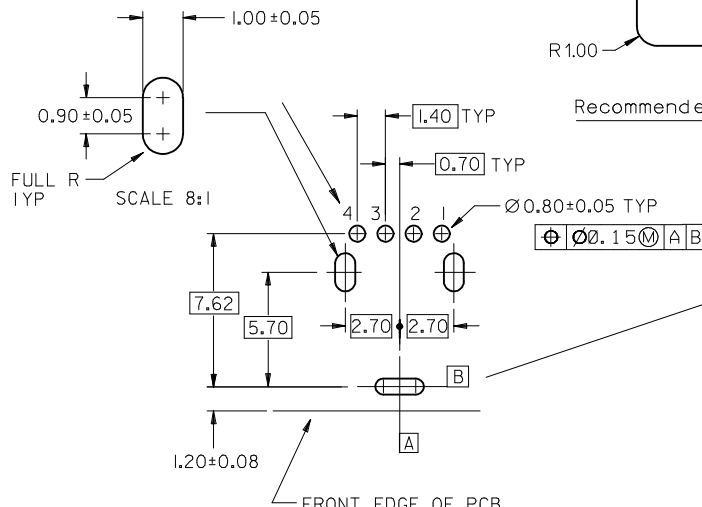
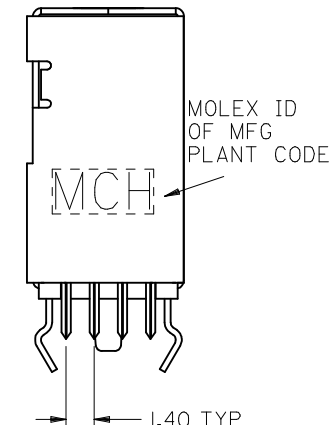
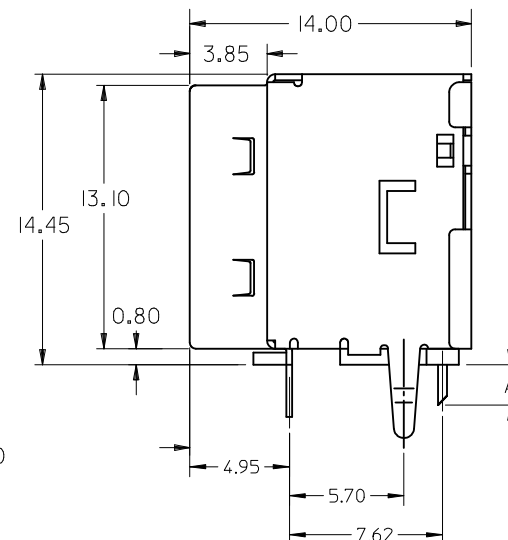
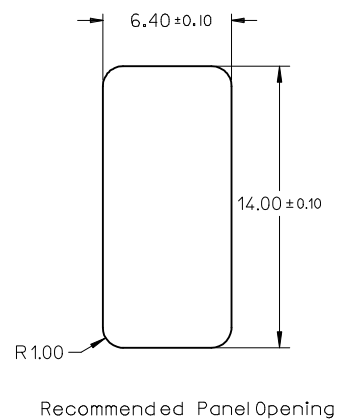
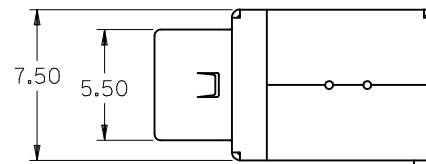


					MATERIAL : SEE NOTE		 MOLEX TAIWAN LTD. SHEET 1 OF 3	
					FINISH : SEE NOTE			
					WIRE RANGE : N/A			GENERAL TOLERANCES ANGLE : ± 3° DIM : ± .25/.010
					INS. RANGE : N/A			
A	NEW RELEASE FOR LEAD-FREE			DAVID HU	2004/11/5	ENG. NO. : SD-89485-003	REV A	
LTR	REVISION RECORD		ECN	DR	DATE	DRAWN BY DAVID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

DO NOT SCALE DRAWING

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 SHEET 2, 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
CHECK: ZHANG
APPR: HWANG
2008/12/02
2008/12/12
2008/12/17

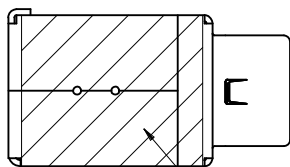
QUALITY SYMBOLS
▽=0
C=0

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	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. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1



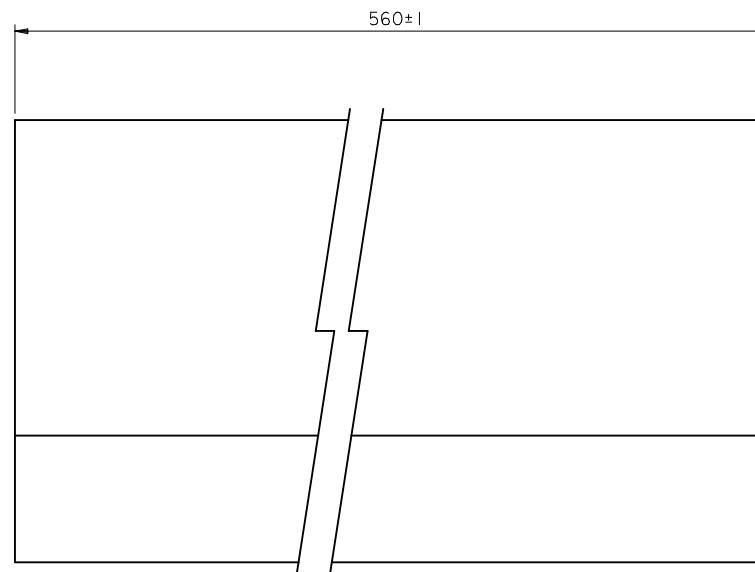
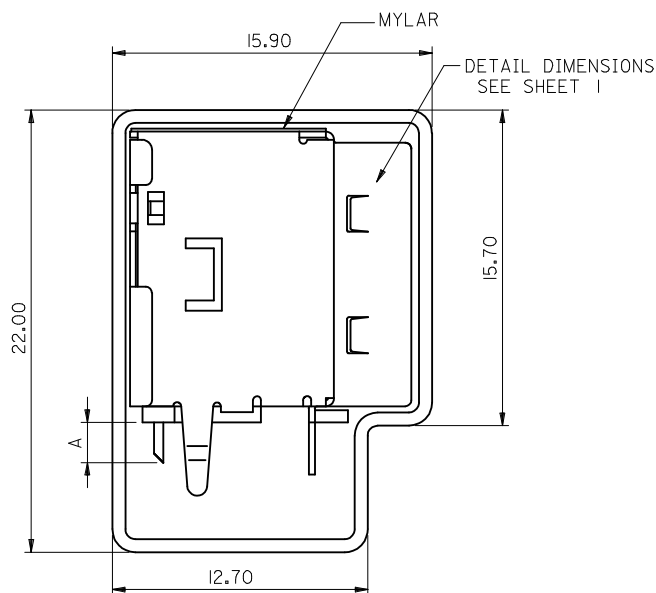
MYLAR AREA

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

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

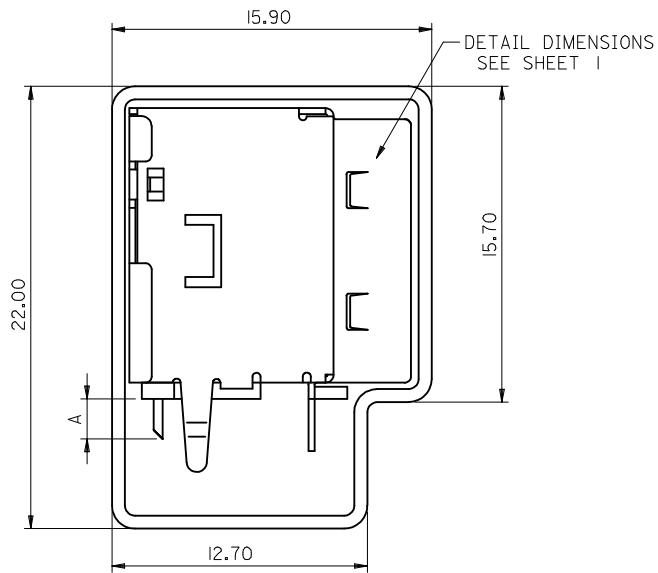
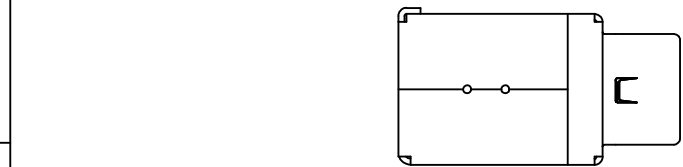
E

D

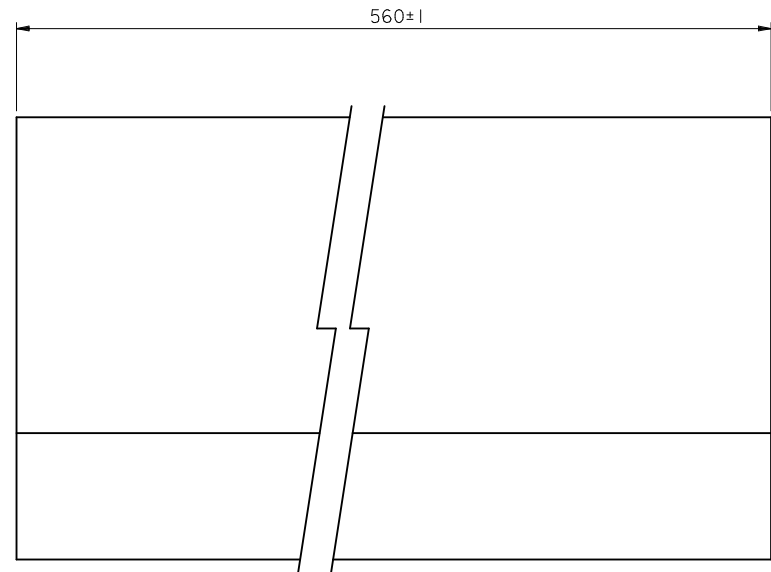
C

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 ^{+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 2008/12/02 CHKD:RZHANG 2008/12/12 APPR:HWANG 2008/12/17 D	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY DAVID HU	DATE	TITLE SINGLE PORT UP-RIGHT USB CONNECTOR LEAD-FREE		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
			2 PLACES	± 0.25	± .010					
			1 PLACE	± 0.25	± .010	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-89485-003	SHEET NO. 3 OF 3		
			ANGULAR ± 3 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331