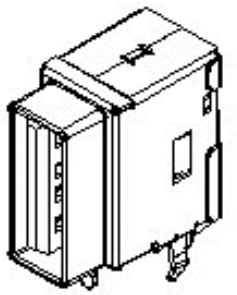
This document was generated on 05/25/2010

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



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-89485 (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

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

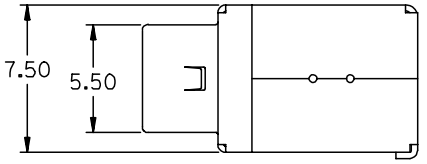
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

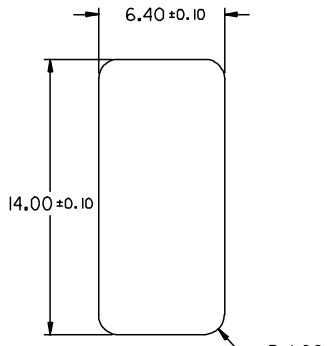
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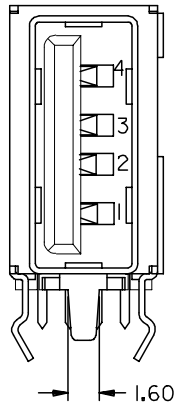
1. MATERIAL :
   HOUSING : HIGH TEMPERTURE NYLON , GLASS FIBRE FILLED, UL94-VO , COLOR: BLACK
   TERMINAL : PHOSPHOR BRONZE
   METAL SHELL : DEEP DRAWN STEEL
2. PLATING :
   TERMINAL :
   CONTACT AREA : (a) GOLD FLASH.
   (b) GOLD (Au), THICKNESS = 30 MICROINCH MINIMUM.
   SOLDER TAIL :
   PURE TIN THICKNESS= 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

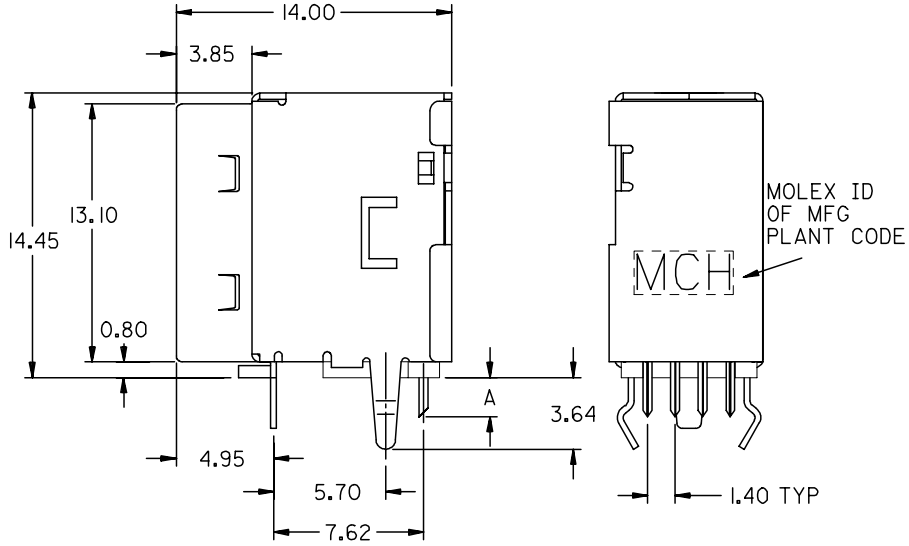
DIMENSION "A"	P/N FOR TRAY PACKING	
$2.00^{+0.35}_{-0.15}$	89485-8000	GOLD FLASH PLATING ON CONTACT AREA
	89485-8001	30 MICRO INCH GOLD PLATING ON CONTACT AREA
$2.50^{+0.35}_{-0.10}$	89485-8002	GOLD FLASH PLATING ON CONTACT AREA
	89485-8003	30 MICRO INCH GOLD PLATING ON CONTACT AREA

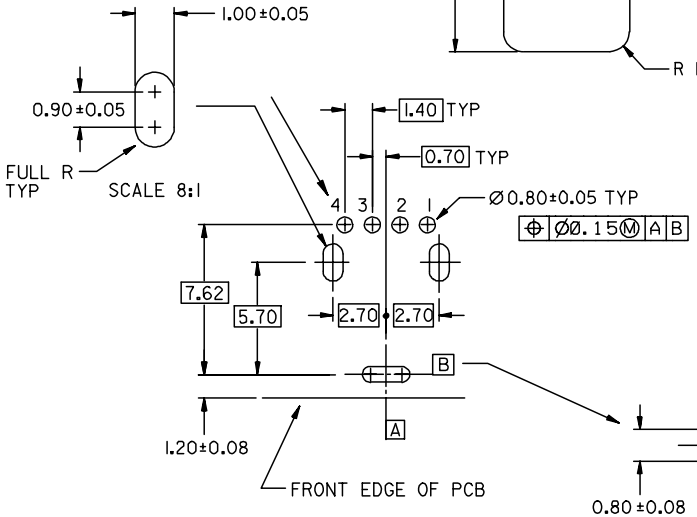


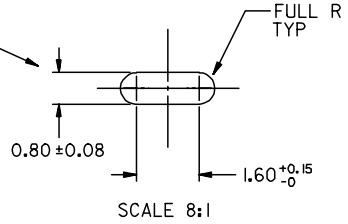
Recommended Panel Opening











LTR	REVISION RECORD	ECN	DR	DATE
A	NEW RELEASE FOR LEAD-FREE		DAVID HU	2004/11/5

REVISE ONLY ON CAD SYSTEM

MATERIAL : SEE NOTE
FINISH : SEE NOTE
WIRE RANGE : N/A
INS. RANGE : N/A
DRAWN BY DAVID HU 2004/11/5
CHK'D BY
APPR'D BY
SCALE 4:1

MOLEX TAIWAN LTD.
SHEET 1 OF 3

GENERAL TOLERANCES
ANGLE : ± 3° DIM : ± .25/.010

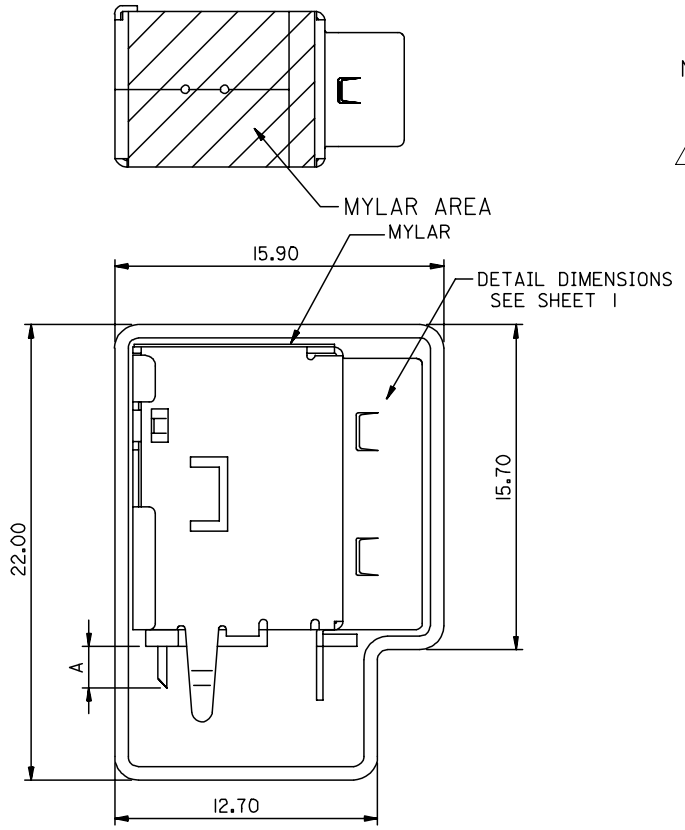
ENG. NO.: SD-89485-003 REV A

TITLE : SINGLE PORT UP-RIGHT USB CONNECTOR (LEAD-FREE)

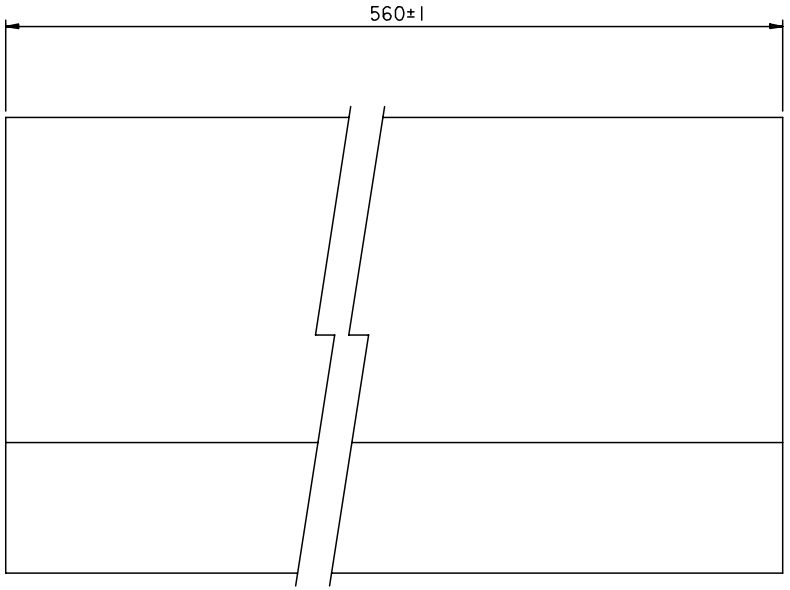
ENG. NO
EDP NO.
SIMILAR ITEM
CAD FILE :
DO NOT SCALE DRAWING

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

MXT , Sa - 13



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.
DRWN: DAVID HU 2004/10/28
CH'K:
APPR:
DESCRIPTION
A
REV

QUALITY SYMBOLS
MAJOR = 0
CRITICAL = 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

SCALE 4 : 1
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: DAVID HU 2004/10/28
CHECKED BY & DATE:
APPROVED BY & DATE:
CAD FILENAME: S8948503.S02

TITLE: USB A UPRIGHT 89485 WITH MYLAR BY TUBE PACKAGE (LEAD-FREE)

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DRAWING NO.: SD-89485-003
SHEET NO.: 2

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

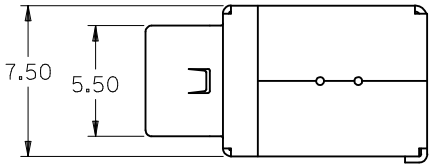
SIZE A3

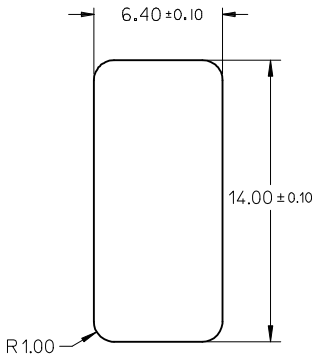
ENG. NO
EDP NO.
SIMILAR ITEM
CADFILE NO.
DO NOT SCALE DRAWING

GC.DGN REV A
96/06/12 LEVEL 3

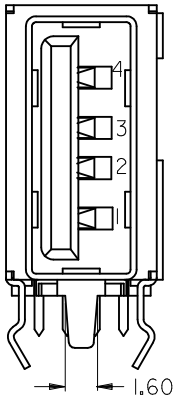
NOTE:
1.MATERIAL:
HOUSING:HIGH TEMPERATURE NYLON,GLASS FIBRE FILLED,UL94-V0,COLOR:BLACK
TERMINAL:PHOSPHOR BRONZE
METAL SHELL:DEEP DRAWN STEEL
2.PLATING:
TERMINAL:
(a)GLOD FIASH ON THE CONTACT AREA,AND 75MICROINCH MINIMUM PURE TIN ON SOLDER TAIL, UNDER 50MICROINCH MINIMUM Ni PLATE.
(b)30MICROINCH MINIMUM GOLD(Au) ON THE CONTACT AREA, AND 75MICROINCH MINIMUM PURE TIN ON SOLDER TAIL,UNDER 50MICROINCH MINIMUM Ni UNDER PLATE.
(c)GOLD FIASH 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

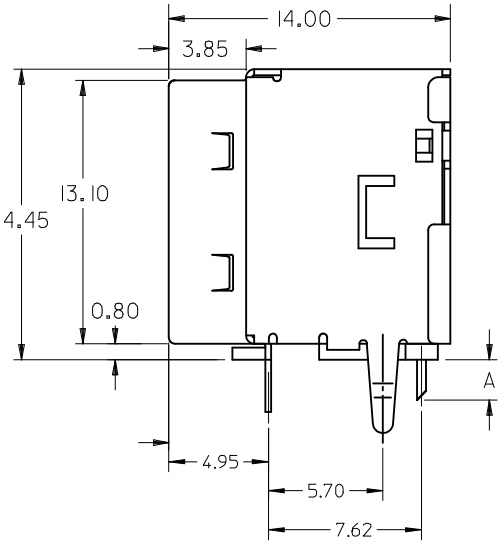
DIMENSION"A"	P/N	PLATING	TERMINAL CONTACT PLATING	TERMINAL SOLDER PLATING	METAL SHELL PLATING
2.00 +0.35 -0.15	89485-8000	SEE NOTES(a)+(d)	GOLD FLASH	75 MICRO INCH BRIGHT TIN	100 MICRO INCH BRIGHT TIN
	89485-8001	SEE NOTES(b)+(d)	30 MICRO INCH GOLD		
D 2.50 +0.35 -0.10	89485-8002	SEE NOTES(a)+(d)	GOLD FLASH		
	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

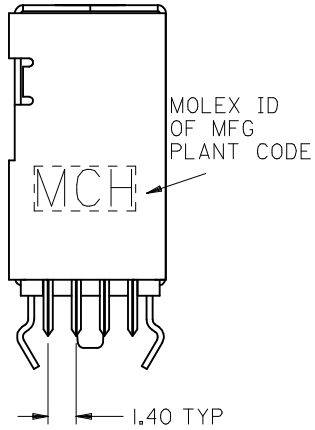


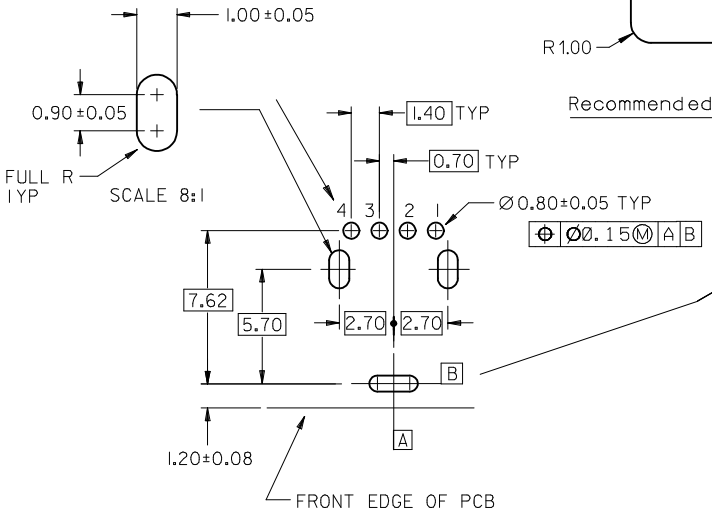


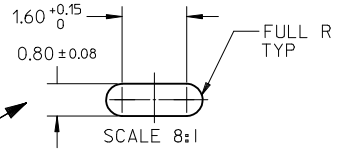
Recommended Panel Opening











REV	DESCRIPTION	DATE
D	NEW RELEASE	2008/12/02
	EC NO: SH2009-0233	2008/12/12
	DRWN:EZHAO	2008/12/17
	CH'KD:RZHANG	
	APPR:HWWANG	

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

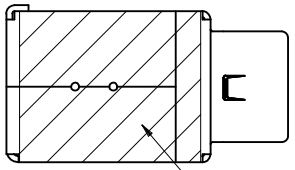
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± .010
1 PLACE	± 0.25	± .010
ANGULAR ± 3 °		

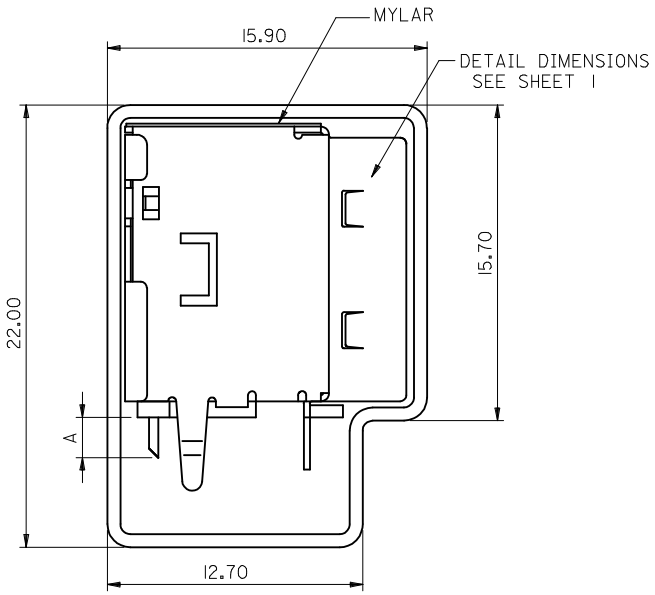
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

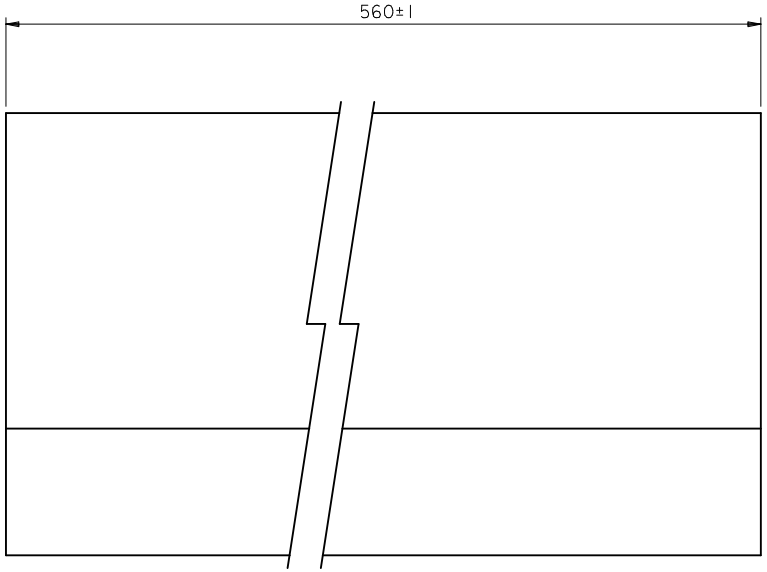
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: DAVID HU DATE:
CHECKED BY: DATE:
APPROVED BY: DATE:
MATERIAL NO.: SEE TABLE

TITLE: SINGLE PORT UP-RIGHT USB CONNECTOR LEAD-FREE
MOLEX INCORPORATED
DOCUMENT NO.: SD-89485-003
SHEET NO.: 1 OF 3
SIZE: A3

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







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.
△B 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 2008/12/02
DRWN:EZHAO 2008/12/12
CH'KD:RZHANG 2008/12/17
APPR:HWWANG
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

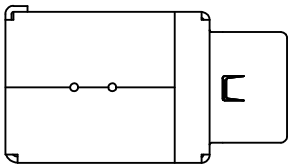
GENERAL TOLERANCES (UNLESS SPECIFIED)

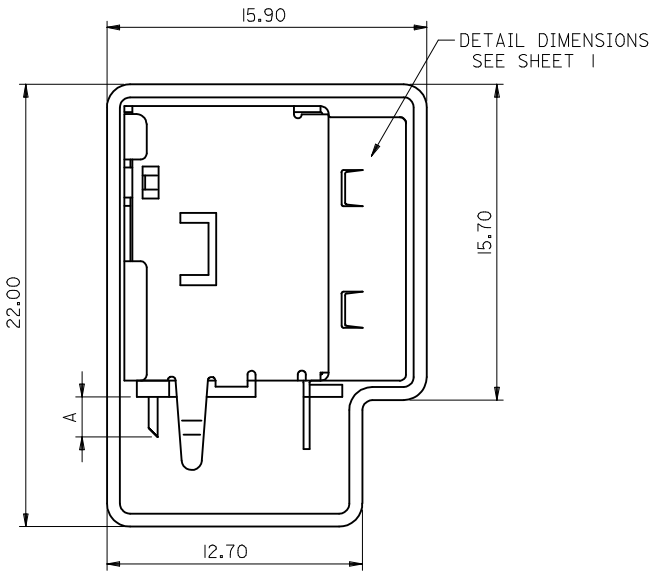
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± .010
1 PLACE	± 0.25	± .010
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

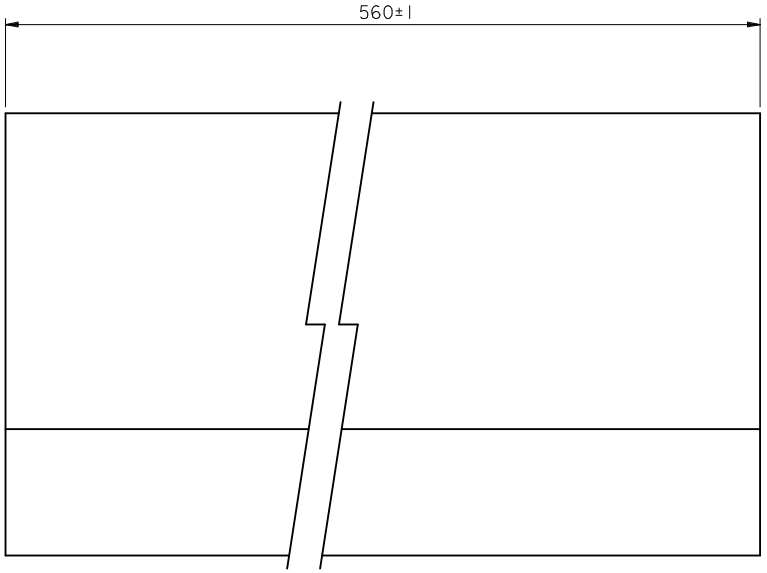
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: DAVID HU DATE:
CHECKED BY: DATE:
APPROVED BY: DATE:
TITLE: SINGLE PORT UP-RIGHT USB CONNECTOR LEAD-FREE
MOLEX INCORPORATED
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-89485-003
SHEET NO.: 2 OF 3
SIZE: A3

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





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	89485-8200	2.00 +0.35 -0.15	GOLD FLASH PLATING ON CONTACT AREA
	89485-8201		30 MICRO INCH GOLD PLATING ON CONTACT AREA
	89485-8202	2.50 +0.35 -0.10	GOLD FLASH PLATING ON CONTACT AREA
	89485-8203		30 MICRO INCH GOLD PLATING ON CONTACT AREA

NEW RELEASE
EC NO: SH2009-0233 2008/12/02
DRWN:EZHAO 2008/12/12
CHKD:RZHANG 2008/12/17
APPR:HWANG
DESCRIPTION
REV 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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: DAVID HU DATE
CHECKED BY DATE
APPROVED BY DATE
MATERIAL NO.: SEE TABLE
SIZE: A3

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