

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

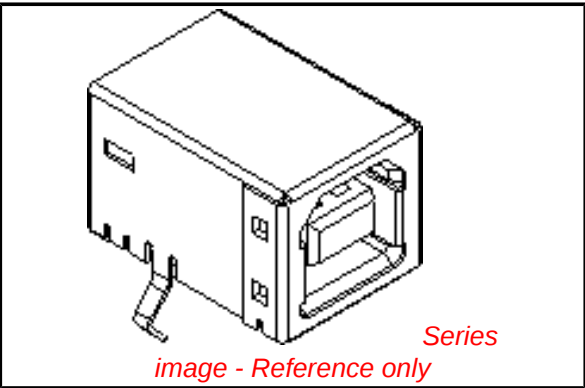
0670689001

Status:

Active

Description:

Universal Serial Bus (USB) Shielded I/O Type B Receptacle, Right Angle, with Kinked Solder Tabs, Color White, 0.76µm (30µ") Gold(Au)Plating, Tray Pack, Lead Free



Documents:

3D Model

Drawing (PDF)

Product Specification PS-67998-0000 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	I/O Connectors
Series	67068
Application	Wire-to-Board
Comments	Single
Component Type	Receptacle
Product Name	USB
Type	B
Physical	
Boot Color	N/A
Circuits (Loaded)	4
Circuits (maximum)	4
Gender	Receptacle
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.80 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.098 In
Pitch - Term. Interface (mm)	2.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0°C to +50°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical	
Current - Maximum per Contact	1.5A
Shield Type	Full Shield

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

67068Series

Mates With

USB Type B Plug

Shielded	Yes
Voltage - Maximum	30V (RMS)
Material Info	
Old Part Number	67068-1001
Reference - Drawing Numbers	
Product Specification	PS-67998-0000
Sales Drawing	SD-67068-003, SD-67068-004

This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

NOTES :

1. MATERIAL :

HOUSING : (a) HIGH TEMP. NYLON ,GLASS FIBER FILLED,UL94V-O, COLOR: BLACK,
(b) POLYESTER , GLASS FIBER FILLED,UL94V-O, COLOR: WHITE,

TERMINAL : PHOSPHOR BRONZE
METAL SHELL : COPPER ALLOY

2. PLATING :

TERMINAL :

CONTACT AREA : (a) GOLD FLASH.

(b) GLOD (Au), THICKNESS = 30 MICROINCH MINIMUM.
/0.76 MICROMETER MINIMUM.

SOLDER TAIL :

PURE TIN(Sn) THICKNESS= 75 MICROINCH MINIMUM .
/1.9 MICROMETER MINIMUM.

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

METAL SHELL :

PURE TIN(Sn) , THICKNESS= 50 MICROINCH MINIMUM.
/1.27 MICROMETER MINIMUM.

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

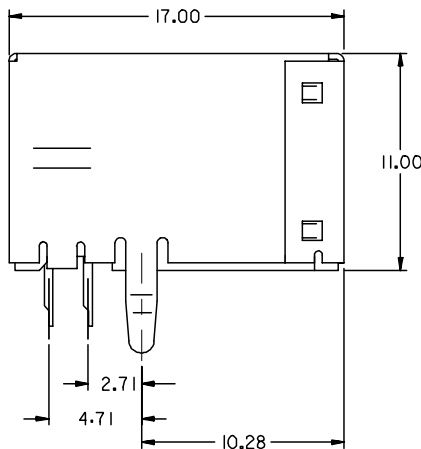
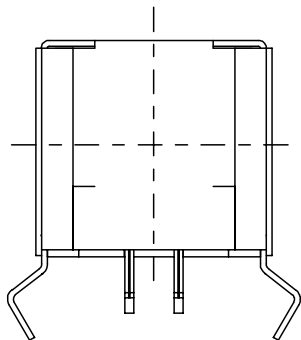
/1.27 MICROMETER MINIMUM.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

RECOMMENDED PCB THICKNESS : 1.60±0.05

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE



PART NUMBER LEGEND:

67068-

8 : BLACK HOUSING
9 : WHITE HOUSING

0 : TRAY PACKAGING
1 : TUBE PACKAGING

0

0 : GOLD FLASH
1 : 0.76 MICROMETER/30
MICROINCH GOLD

KINK TYPE BOARD LOCK

NEW RELEASE EC NO: SH2005-0142 DRWN: DAVID HU 2004/11/5 CHKD:HARVEY 2004/11/25 APPR:YTYAP 2004/11/25
REV A

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
DAVID HU	2004/11/05
CHECKED BY	DATE
HARVEY	2004/11/05
APPROVED BY	DATE

MATERIAL NO.

SEE NOTES

SCALE
4:1

TITLE

DESIGN UNITS
METRIC

USB B TYPE CONNECTOR
KINK TYPE BOARD LOCK
(LEAD-FREE)

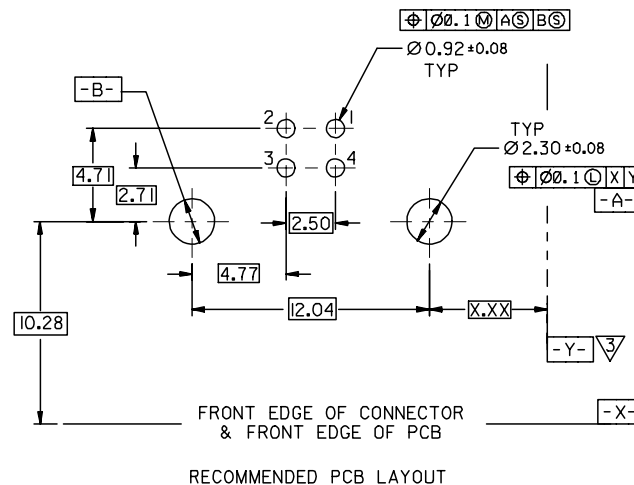


MOLEX INCORPORATED

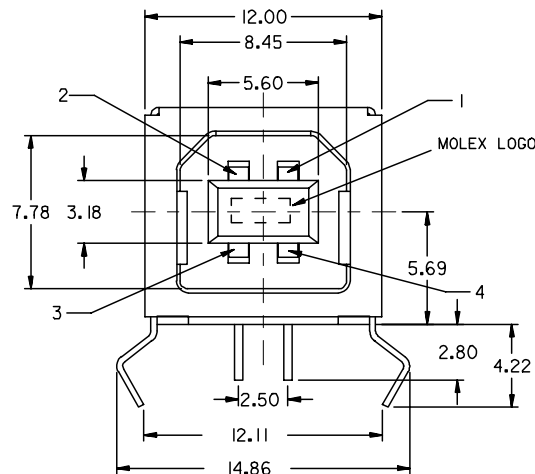
DOCUMENT NO.

SD-67068-003

SHEET NO.
1 OF 4



RECOMMENDED PCB LAYOUT



I. MATERIAL :
HOUSING : (a) HIGH TEMP. NYLON, GLASS FIBER FILLED,UL94V-0, COLOR: BLACK,
(b) POLYESTER , GLASS FIBER FILLED,UL94V-0, COLOR: WHITE,
TERMINAL : PHOSPHOR BRONZE
METAL SHELL : COPPER ALLOY

TERMINAL :
CONTACT AREA : (a) GOLD FLASH.
(b) GL0D (Au), THICKNESS = 30 MICROINCH MINIMUM.
/0.76 MICROMETER MINIMUM.

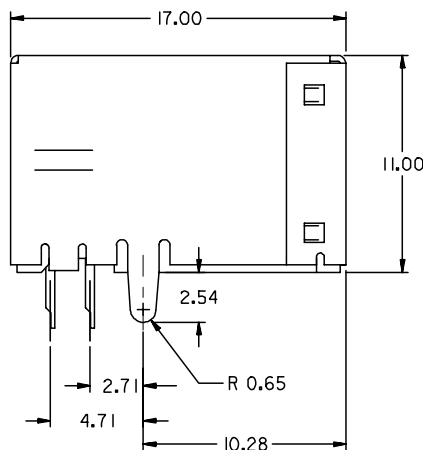
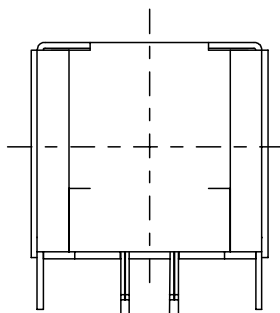
UNDER PLATE : NICKEL (NI), THICKNESS= 50 MICROINCH MINIMUM.
/1.27 MICROMETER MINIMUM.

UNDER PLATE : NICKEL (Ni), THICKNESS= 50 MICROINCH MINIMUM.
/1.27 MICROMETER MINIMUM.

RECOMMENDED PCB THICKNESS : 1.60±0.05

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

A diagram of a rectangular box with a dashed rectangle inside, representing a fold line. An arrow points to the dashed rectangle.



PART NUMBER LEGEND:

67068-

9 : WHITE HOUSING-

1 : TUBE PACKAGING

0 : GOLD FLASH
1 : 0.76 MICROMETER/30
MICROINCH GOLD

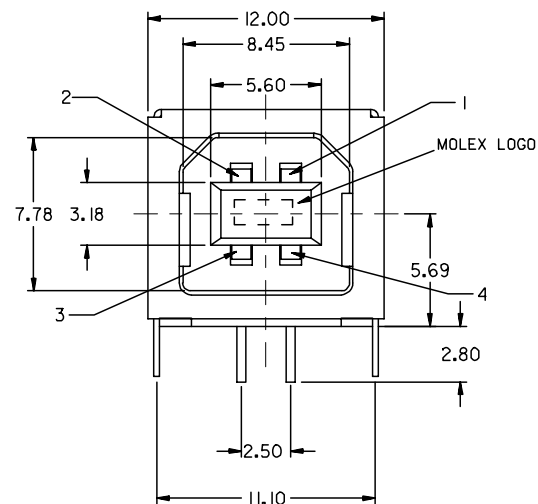
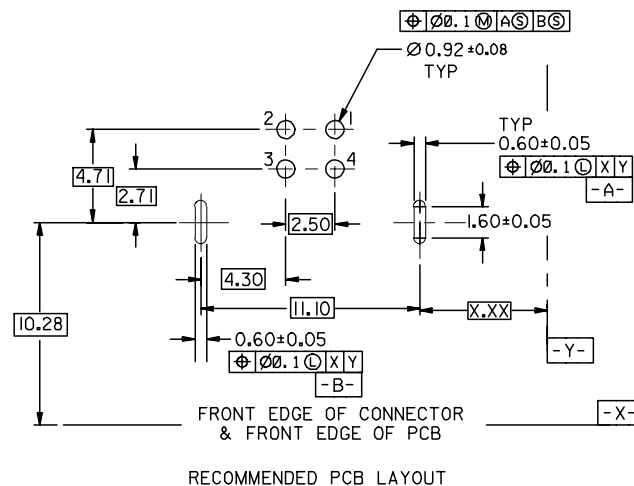
STRAIGHT TAB

NEW RELEASE	EC NO: SH2005-0142	DRWN: DAVID HU 2004/11/15	CHKD:HARVEY 2004/11/15	APPR:YTYAP 2004/11/15	DESCRIPTION	QUALITY SYMBOLS
REV						 = 0  = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± --- 200
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
DAVID HU	2004/11/05
CHECKED BY	DATE
4/11/05	2004/11/05
APPROVED BY	DATE
MATERIAL NO.	
SEE NOTES	
SIZE	THIS DRAWING CONT
A3	INCORPORATED AND

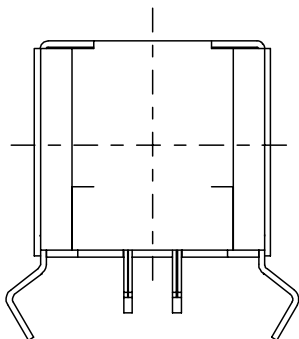
SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
USB B TYPE CONNECTOR WITH STRAIGHT TAB (LEAD-FREE)		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-67068-003		SHEET NO. 2
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



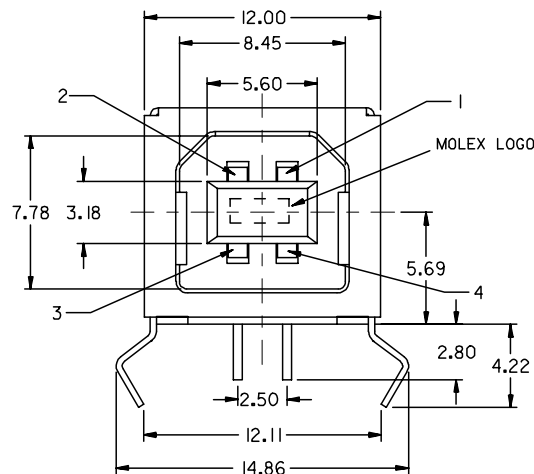
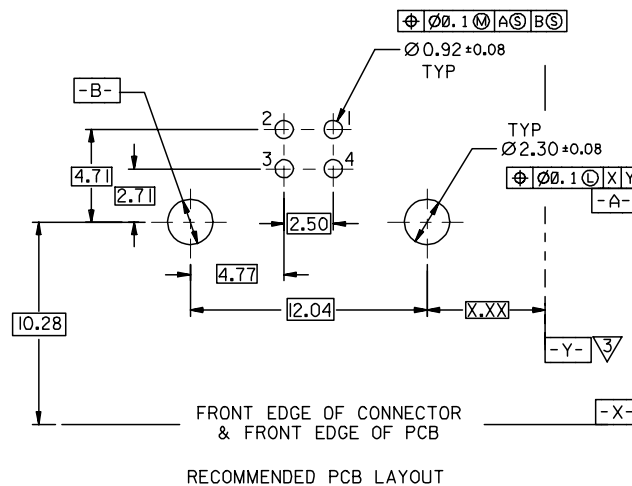
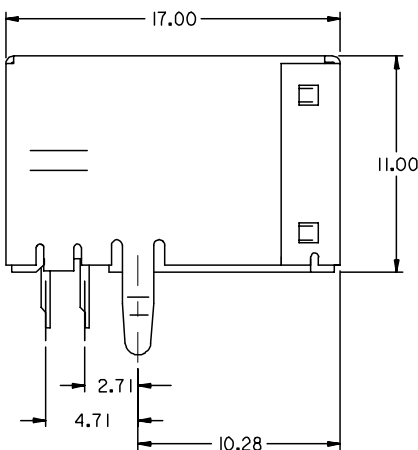
DO NOT SCALE DRAWING

1

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000



67068- 7041



							MATERIAL : SEE NOTES		 MOLEX TAIWAN LTD. SHEET 3 OF 4	
							FINISH : SEE NOTES			
							WIRE RANGE :			
							INS. RANGE :		GENERAL TOLERANCES ANGLE : ± 3° DIM : ± .25/0.10	
	A	NEW RELEASE FOR LEAD-FREE			DAVID HU	2004/11/5			ENG. NO.:	SD-67068-003
LTR	REVISION RECORD		ECN	DR	DATE	DRAWN BY 2004/11/5 DAVID HU		CHK'D BY	TITLE : HIGH TEMP.USB B TYPE CONNECTOR KINK TYPE BOARD LOCK (LEAD-FREE)	
REVISE ONLY ON CAD SYSTEM						APPR'D BY		SCALE	4 : 1	

ENG. NO SDA-67068-****

EDP NO.

SIMILAR ITEM

CAD FILE : S6706802

DO NOT SCALE DRAWING

8

7

6

5

4

3

2

1

NOTES :

1. MATERIAL :

HOUSING : (a) HIGH TEMP. NYLON, GLASS FIBER FILLED, UL94V-0, COLOR: BLACK,

TERMINAL : PHOSPHOR BRONZE

METAL SHELL : COPPER ALLOY

2. PLATING :

TERMINAL :

CONTACT AREA : (a) GOLD FLASH.

(b) GLOD (Au), THICKNESS = 30 MICROINCH MINIMUM.
/0.76 MICROMETER MINIMUM.

SOLDER TAIL :

PURE TIN(Sn) THICKNESS= 75 MICROINCH MINIMUM .
/1.9 MICROMETER MINIMUM.

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

/1.27 MICROMETER MINIMUM.

METAL SHELL :

PURE TIN(Sn) THICKNESS= 50 MICROINCH MINIMUM.
/1.27 MICROMETER MINIMUM.

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

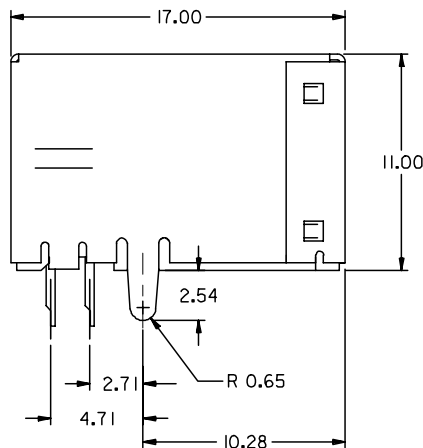
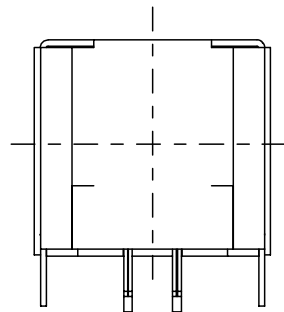
/1.27 MICROMETER MINIMUM.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

RECOMMENDED PCB THICKNESS : 1.60±0.05

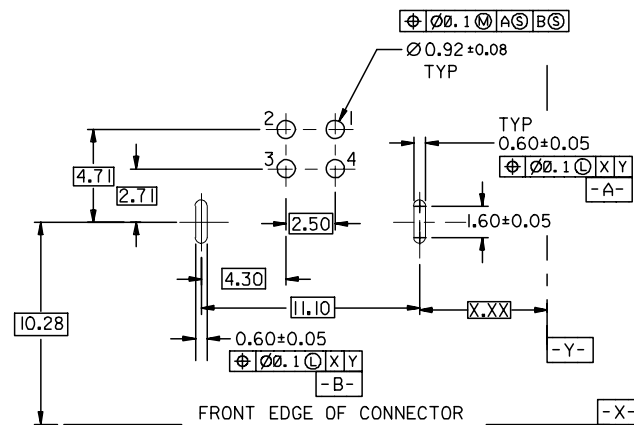
4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE

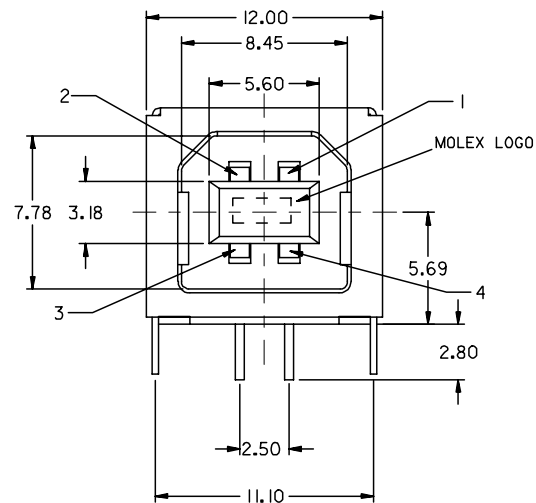


PART NUMBER LEGEND:

67068- 7051

FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

RECOMMENDED PCB LAYOUT



					MATERIAL :	SEE NOTES		MOLEX TAIWAN LTD.
					FINISH :	SEE NOTES		
					WIRE RANGE :			GENERAL TOLERANCES
								ANGLE : ± 3° DIM : ± .25/.010
					INS. RANGE :			ENG. NO.: SD-67068-003
A	NEW RELEASE FOR LEAD-FREE		DAVID HU	2002/11/5				REV A
LTR	REVISION RECORD	ECN	DR	DATE	DRAWN BY 2004/11/5 DAVID HU	CHK'D BY		TITLE : HIGH TEMP USB B TYPE CONNECTOR WITH STRAIGHT TAB (LEAD-FREE)
					REVISE ONLY ON CAD SYSTEM	APPR'D BY	SCALE 4 : 1	

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

MXT , Sa - 13

NOTES:

1.MATERIAL:

HOUSING:

(a)HIGH TEMP,NYLON,GLASS FIBRE FILLED,UL94V-0,COLOR: 88BLACK

(b)POLYESTER(PBT),30% GLASS FIBER FILLED,UL94V-0,COLOR: 9:WHITE
TERMINAL: PHOSPHOR BRONZE

METAL SHELL: COPPER ALLOY

2.PLATING:

TERMINAL:

(c)GOLD FLASH ON CONTACT AREA,75 MICROINCH MINIMUM PURE TIN(Sn)
ON SOLDER TAIL,UNDER 50 MICROINCH MINIMUM NICKEL(Ni) PLATE.(d)30 MICROINCH MINIMUM GOLD(Au) ON CONTACT AREA,75 MICROINCH
MINIMUM PURE TIN(Sn) ON SOLDER TAIL,UNDER 50 MICROINCH
MINIMUM NICKEL(Ni) PLATE.(e)GOLD FLASH ON CONTACT AREA,75 MICROINCH MINIMUM MATTE TIN(Sn)
ON SOLDER TAIL,UNDER 50 MICROINCH MINIMUM NICKEL(Ni) PLATE.(f)30 MICROINCH MINIMUM GOLD(Au) ON CONTACT AREA,75 MICROINCH
MINIMUM MATTE TIN(Sn) ON SOLDER TAIL,UNDER 50 MICROINCH
MINIMUM NICKEL(Ni) PLATE.

METAL SHELL:

(g)50 MICROINCH MINIMUM PURE TIN(Sn),UNDER 50 MICROINCH MINIMUM
NICKEL(Ni) PLATE.(h)50 MICROINCH MINIMUM MATTE TIN(Sn),UNDER 50 MICROINCH MINIMUM
NICKEL(Ni) PLATE.

3.DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

RECOMMENDED PCB THICKNESS : 1.60±0.05

4.PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE

⌀0.1 (M) A S B S

⌀0.92 ±0.08
TYPTYP
⌀2.30 ±0.08

⌀0.1 (X) Y

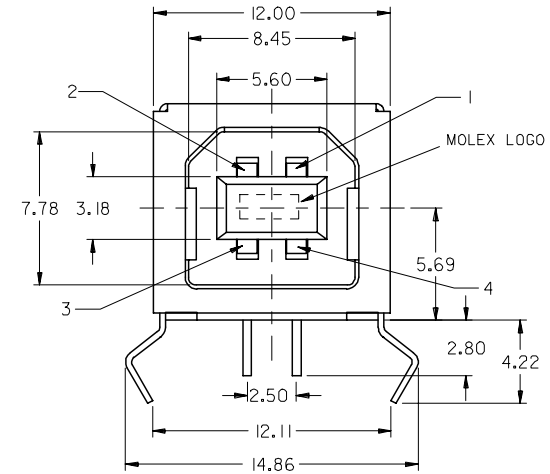
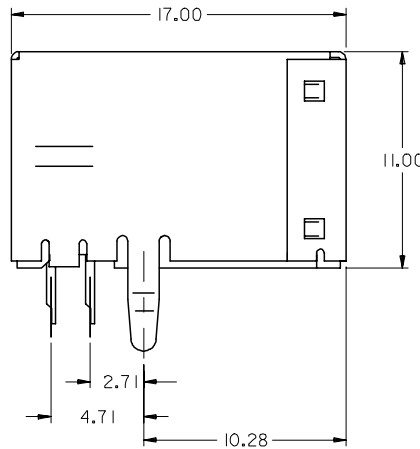
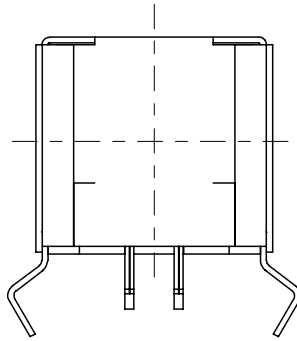
- A -

- Y -

- X -

FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

RECOMMENDED PCB LAYOUT



P/N	HOUSING COLOR	PLATING
67068-8000	BLACK	GOLD FLASH SEE NOTES[2-(c),2-(g)]
67068-8001	BLACK	30MICROINCH Au SEE NOTES[2-(d),2-(g)]
67068-9000	WHITE	GOLD FLASH SEE NOTES[2-(c),2-(g)]
67068-9001	WHITE	30MICROINCH Au SEE NOTES[2-(d),2-(g)]
67068-8012	BLACK	30MICROINCH Au SEE NOTES[2-(f),2-(h)]
67068-8013	BLACK	GOLD FLASH SEE NOTES[2-(e),2-(h)]

REVISED	EC NO: SH2007-0468	2007/01/19
DRWN:HYE01	CHKD:WANG	2007/01/19
APPR:JNCHEN	2007/01/26	
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 DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
DAVID HU	2004/11/05
CHECKED BY	DATE
HARVEY	2004/11/05
APPROVED BY	DATE

MATERIAL NO.

SEE NOTES

SIZE
A3THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSIONSCALE
4:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONUSB B TYPE CONNECTOR
LEAD-FREE

MOLEX MOLEX INCORPORATED

DOCUMENT NO. SD-67068-004

SHEET NO.
1 OF 1



**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:

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Электронная почта: sales@st-electron.ru

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помещение 100-Н Офис 331