

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

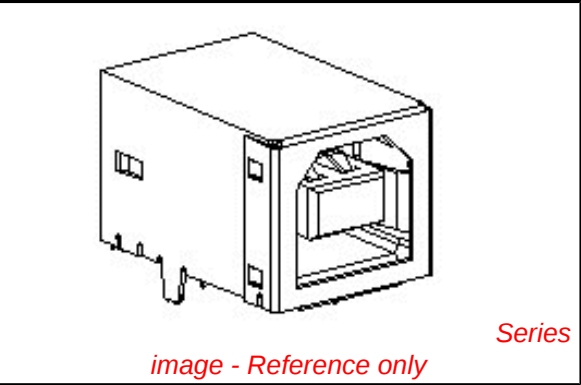
0670688011

Status:

Active

Description:

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



Documents:	
3D Model	Product Specification PS-67998-0000 (PDF)
Drawing (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
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
Shielded	Yes
Voltage - Maximum	30V (RMS)

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

67068Series

Mates With

USB Type B Plug

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-67998-0000
Sales Drawing	SD-67068-003

This document was generated on 04/07/2010

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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.

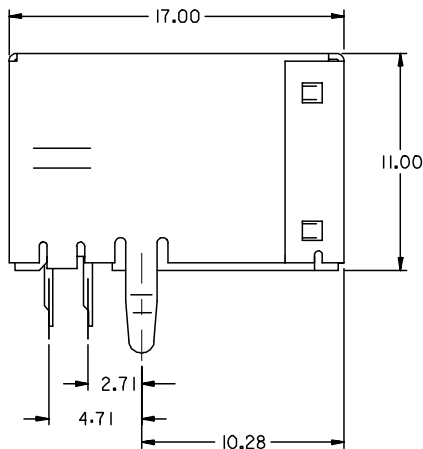
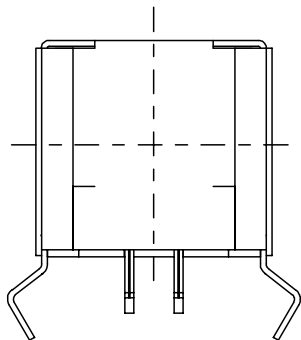
/1.27 MICROMETER MINIMUM.

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

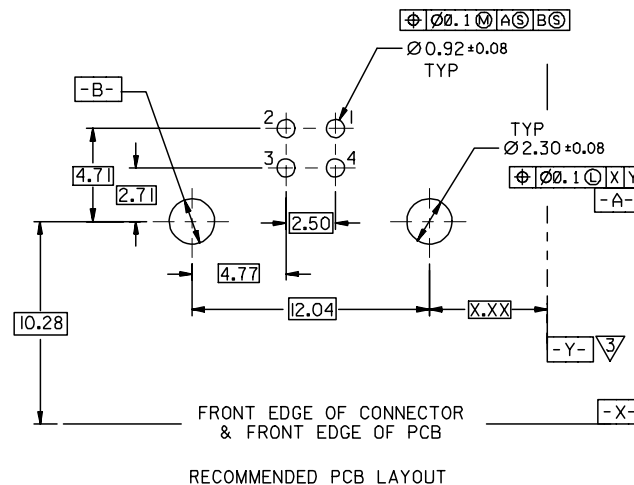
DESIGN UNITS
METRIC

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

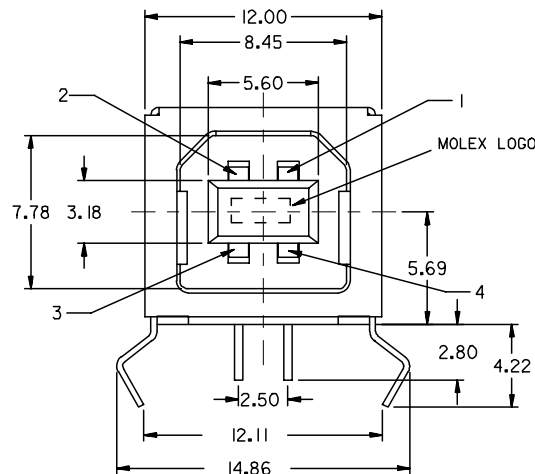
molex MOLEX INCORPORATED

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

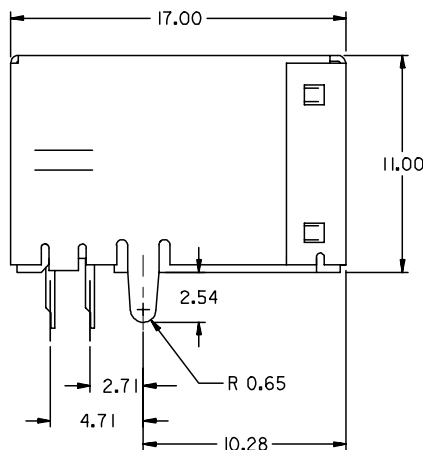
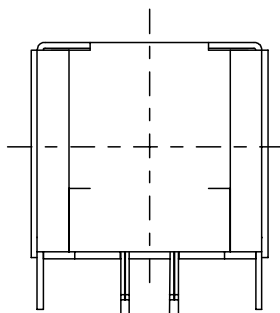
TERMINAL :
CONTACT AREA : (a) GOLD FLASH.
(b) GL0D (Au), THICKNESS = 30 MICROINCH MINIMUM.
/0.76 MICROMETER MINIMUM.

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

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

RECOMMENDED PCB THICKNESS : 1.60±0.05

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



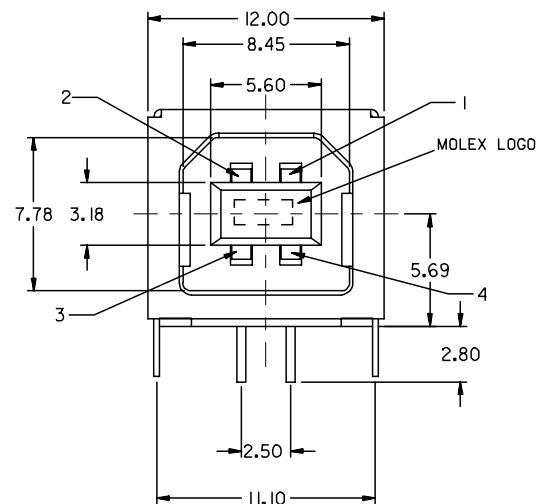
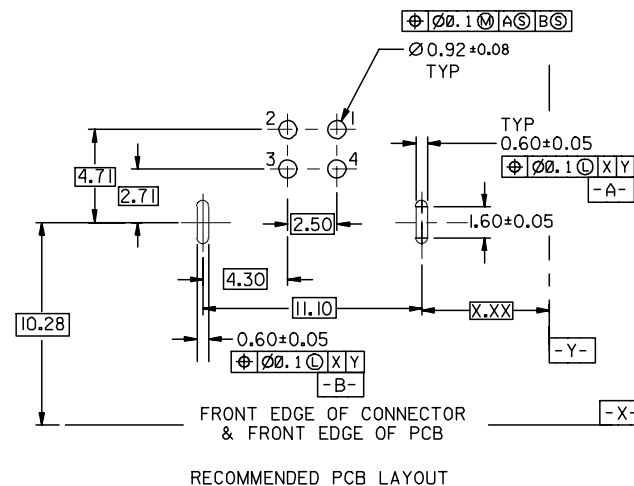
67068-

9 : WHITE HOUSING-

1 : TUBE PACKAGING

STRAIGHT TAB

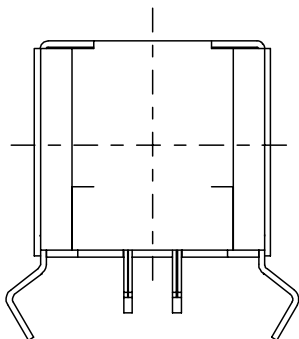
NEW RELEASE EC NO: SH2005-0142 DRWN: DAVID HU 2004/11/15 CHKD:HARVEY 2004/11/25 APPR:YIYAP 2004/11/25	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY DAVID HU	DATE 2004/11/05	TITLE USB B TYPE CONNECTOR WITH STRAIGHT TAB (LEAD-FREE)		MOLEX MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	2004/11/05	2004/11/05						
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE						
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTES		SD-67068-003		2				
			A	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



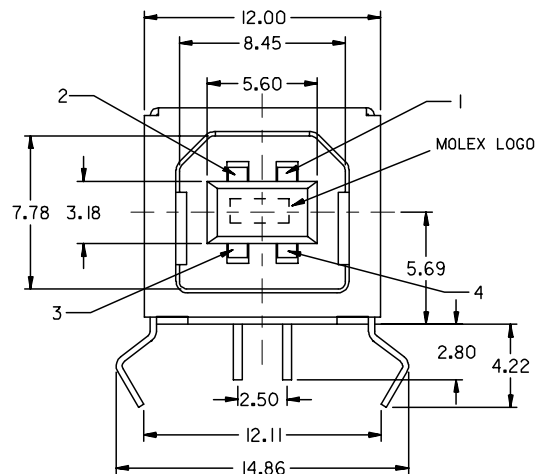
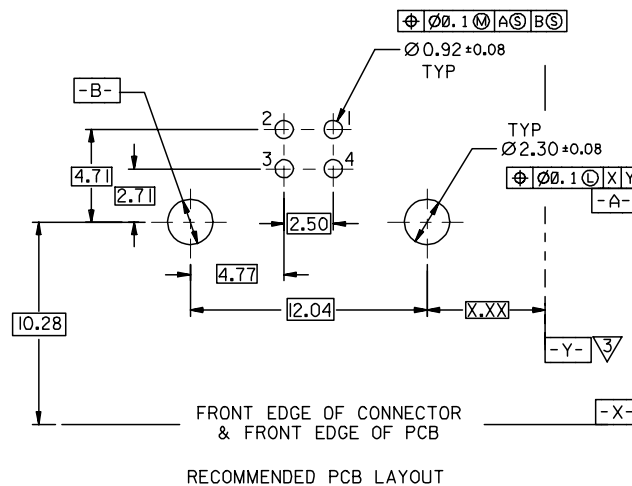
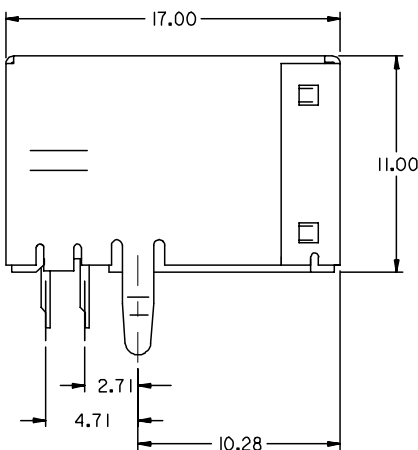
DO NOT SCALE DRAWING

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 :			
						ENG. NO.:		SD-67068-003	REV A
A	NEW RELEASE FOR LEAD-FREE			DAVID HU	2004/11/5	DRAWN BY 2004/11/5 DAVID HU		CHK'D BY	TITLE : HIGH TEMP.USB B TYPE CONNECTOR KINK TYPE BOARD LOCK (LEAD-FREE)
LTR	REVISION RECORD		ECN	DR	DATE	APPR'D BY		SCALE	
REVISE ONLY ON CAD SYSTEM						4 : 1			

DO NOT SCALE DRAWING

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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