

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

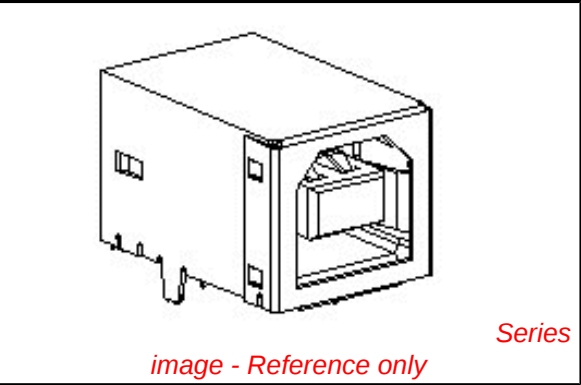
0670688110

Status:

Active

Description:

Universal Serial Bus (USB), Shielded I/O, Type B Receptacle, Right Angle with Straight Tabs, Color Black, Gold (Au) Flash Plating, Tube 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	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
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

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

Shielded
Voltage - Maximum

Yes
30V (RMS)

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-67998-0000
SD-67068-003

This document was generated on 04/07/2010

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.
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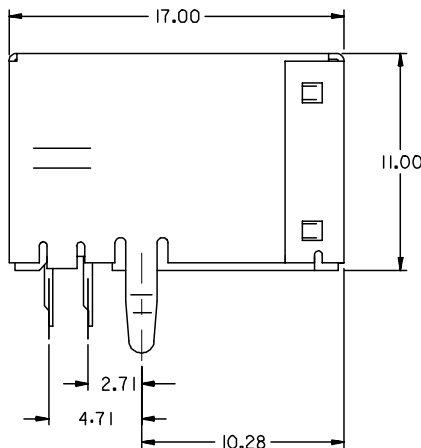
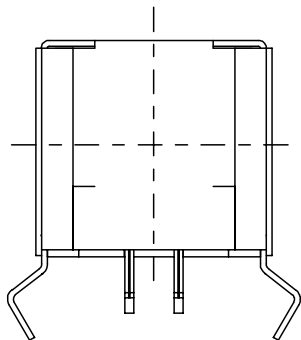
/1.27 MICROMETER MINIMUM.

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	DESCRIPTION
	REV
	A
	REV

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

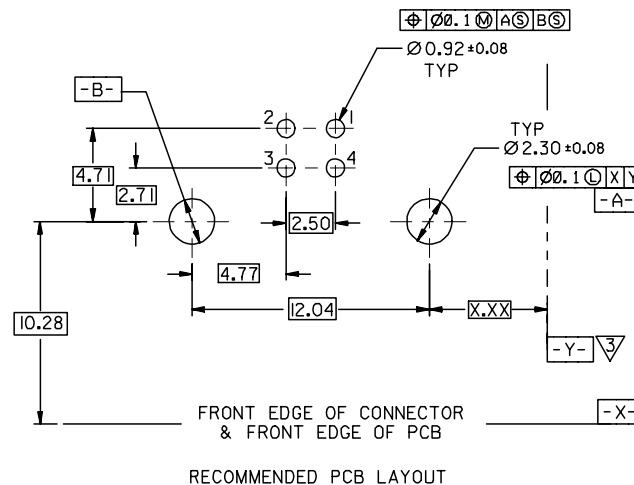
THIRD ANGLE
PROJECTION

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

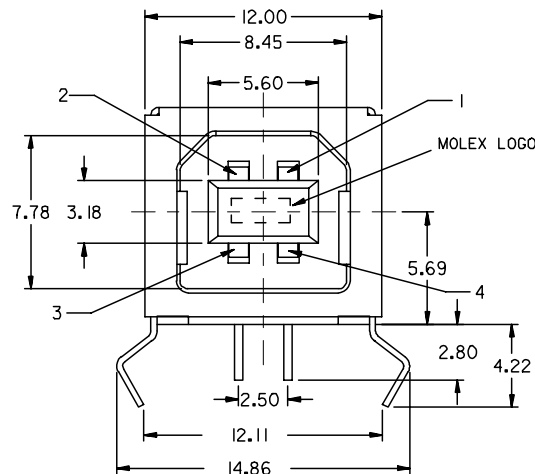
MOLEX INCORPORATED

DOCUMENT NO. SD-67068-003

SHEET NO.
1 OF 4



RECOMMENDED PCB LAYOUT



10 9 8 7 6 5 4 3 2 1

NOTES :

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TERMINAL : PHOSPHOR BRONZE

METAL SHELL : COPPER ALLOY

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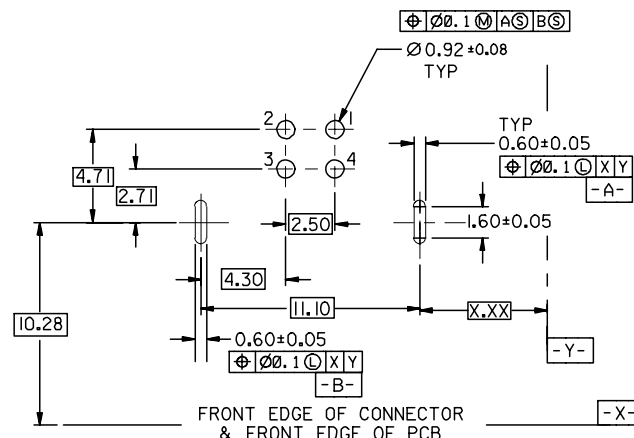
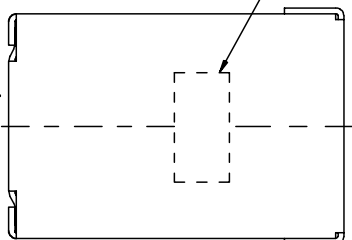
/1.27 MICROMETER MINIMUM.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

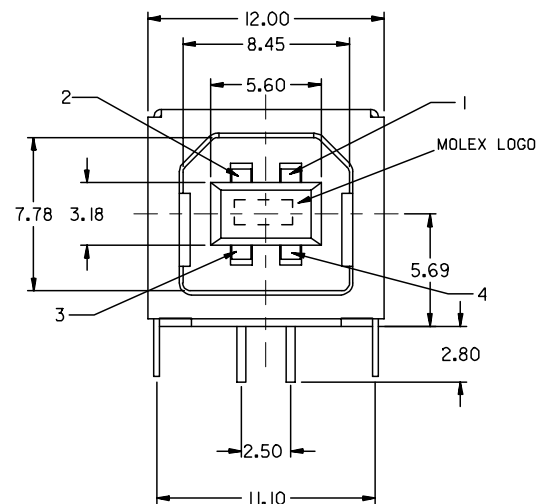
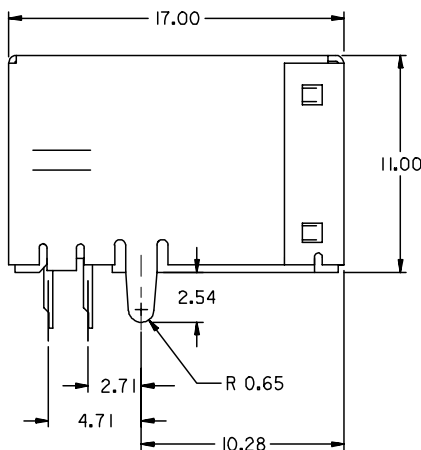
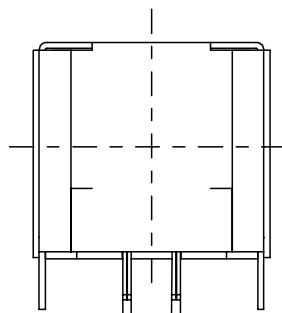
RECOMMENDED PCB THICKNESS : 1.60±0.05

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE



RECOMMENDED PCB LAYOUT



PART NUMBER LEGEND:

67068-

8 : BLACK HOUSING

9 : WHITE HOUSING

0 : TRAY PACKAGING

1 : TUBE PACKAGING

0 : GOLD FLASH

1 : 0.76 MICROMETER/30

MICROINCH GOLD

STRAIGHT TAB

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

QUALITY SYMBOLS
▽=0
▽=0
DESCRIPTION
REV
A

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.25 ± --- 2004/11/05
1 PLACE ± 0.25 ± ---
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY
DAVID HU
DATE
2004/11/05
CHECKED BY
DATE
2004/11/05
APPROVED BY
DATE
MATERIAL NO.
SEE NOTES
SIZE
A3

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

9 8 7 6 5 4 3 2 1

DO NOT SCALE DRAWING

1

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

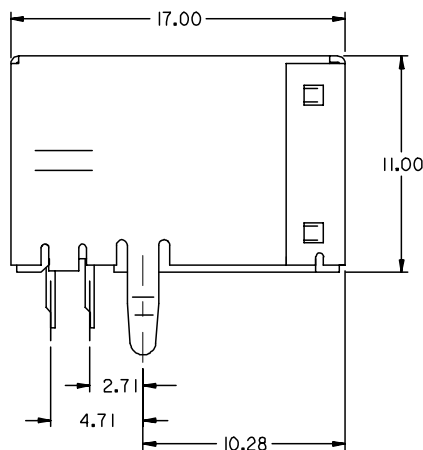
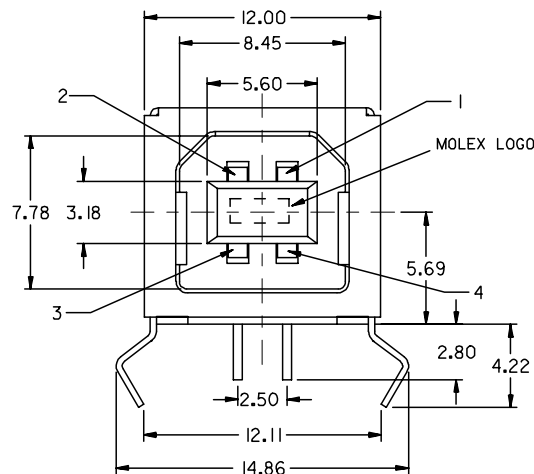


Figure 1 is a dimensional drawing of the front edge of a connector. It shows two circular features with various dimensions and tolerances. Key dimensions include 10.28, 4.71, 2.71, 4.77, 2.50, 2.04, 2.30, and 0.92. Tolerances are specified as ± 0.08 for several dimensions. Feature callouts include -B-, -A-, -Y-, -X-, and -Z-. A note indicates "FRONT EDGE OF CONNECTOR".

FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

RECOMMENDED PCB LAYOUT



PART NUMBER LEGEND:

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	
LTR	REVISION RECORD		ECN	DR	DATE	APPR'D BY		SCALE 4 : 1	
REVISE ONLY ON CAD SYSTEM						TITLE : HIGH TEMP USB B TYPE CONNECTOR KINK TYPE BOARD LOCK (LEAD-FREE)			

ENG. NO SDA-67068-****

EDP NO.

SIMILAR ITEM

CAD FILE : S6706802

DO NOT SCALE DRAWING

8

7

6

5

4

3

2

1

NOTES :

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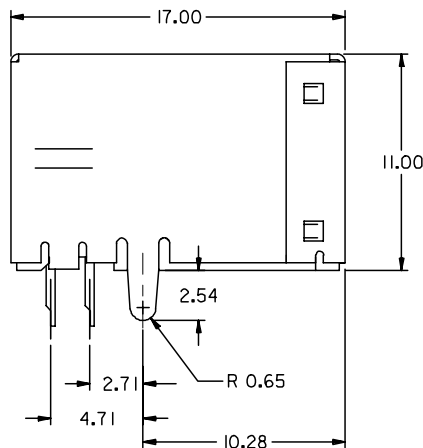
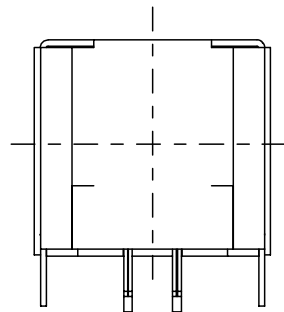
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3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

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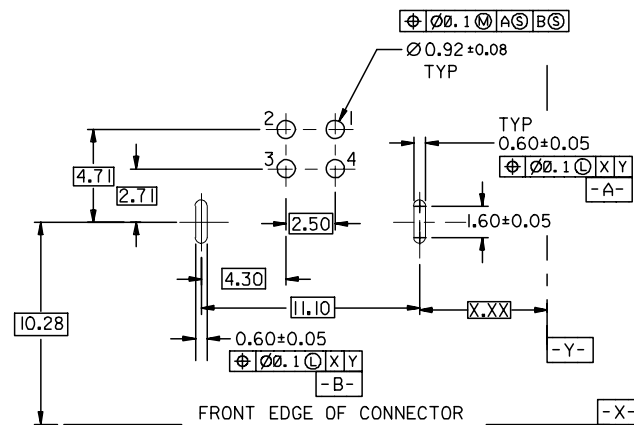
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MOLEX ID OF MFG PLANT CODE

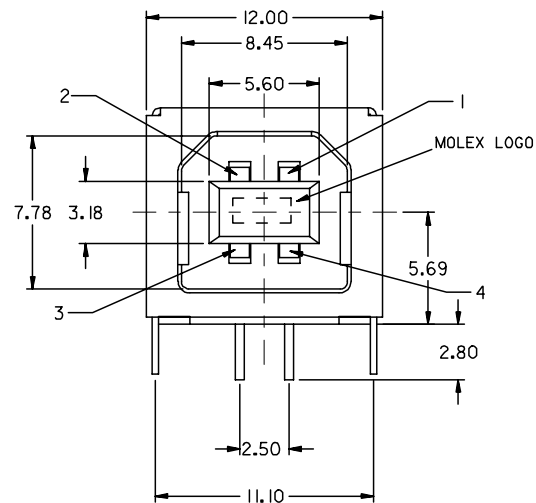


PART NUMBER LEGEND:

67068- 7051

FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

RECOMMENDED PCB LAYOUT



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

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

MXT , Sa - 13