

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

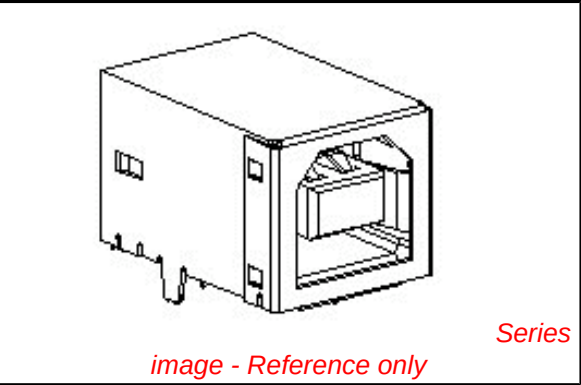
0670689010

Status:

Active

Description:

Universal Serial Bus (USB), Shielded I/O, Type B Receptacle, Right Angle with Straight Tabs, Color White, Gold(Au) Flash 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: 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
Shielded	Yes
Voltage - Maximum	30V (RMS)

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

Material Info

Reference - Drawing Numbers

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

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.

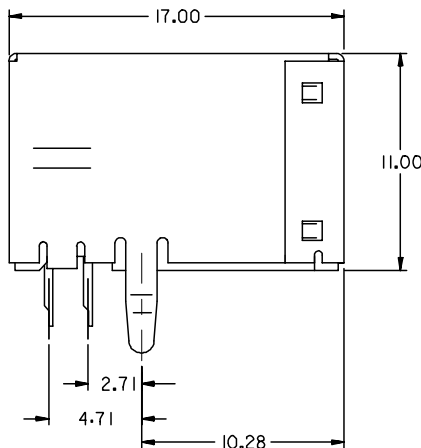
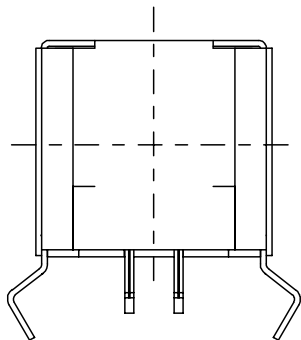
/1.27 MICROMETER MINIMUM.

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)

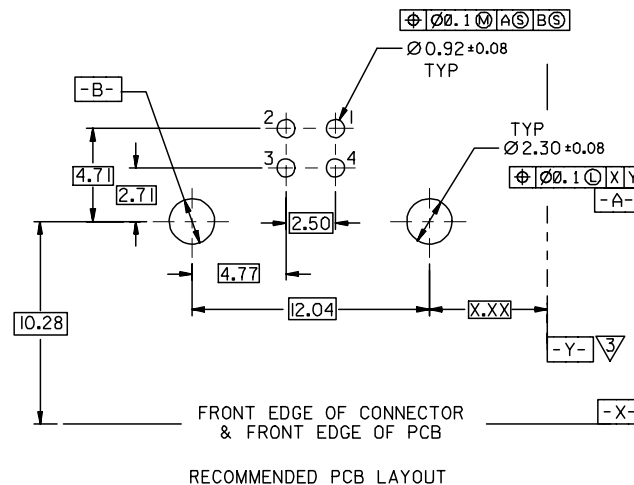


MOLEX INCORPORATED

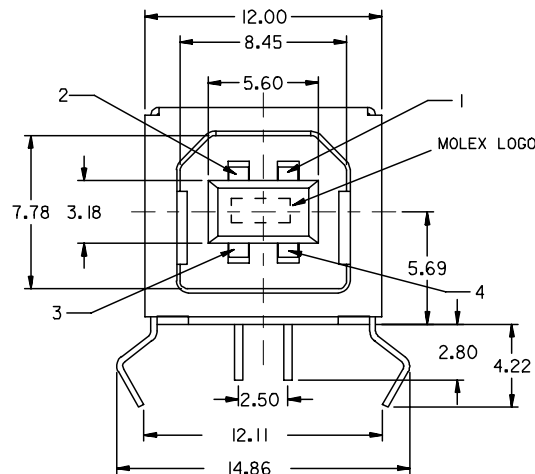
DOCUMENT NO.

SD-67068-003

SHEET NO.
1 OF 4



RECOMMENDED PCB LAYOUT



10 9 8 7 6 5 4 3 2 1

NOTES :

1. MATERIAL :

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

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TERMINAL : PHOSPHOR BRONZE

METAL SHELL : COPPER ALLOY

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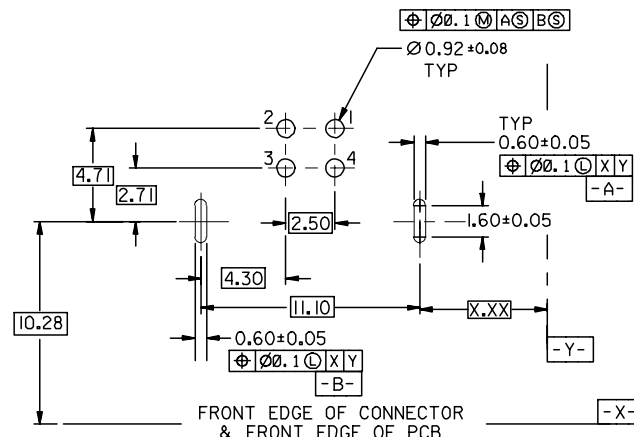
/1.27 MICROMETER MINIMUM.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

RECOMMENDED PCB THICKNESS : 1.60±0.05

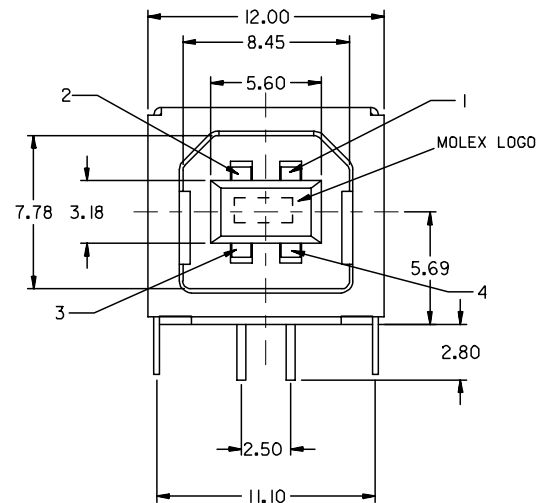
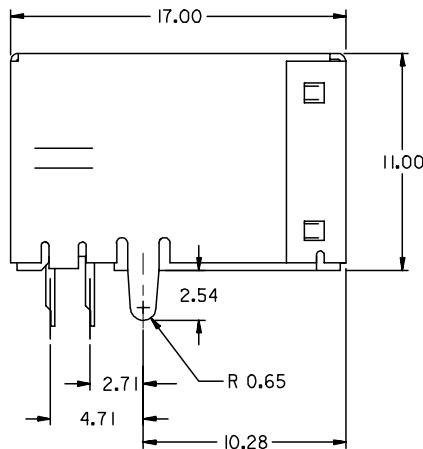
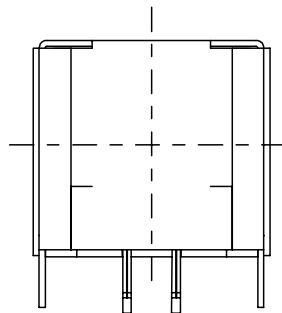
4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE



FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

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: YITAP 2004/11/25
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
	2004/11/05
APPROVED BY	DATE

MATERIAL NO.

SEE NOTES

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

8 7 6 5 4 3 2 1

NOTES :

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TERMINAL : PHOSPHOR BRONZE

METAL SHELL : COPPER ALLOY

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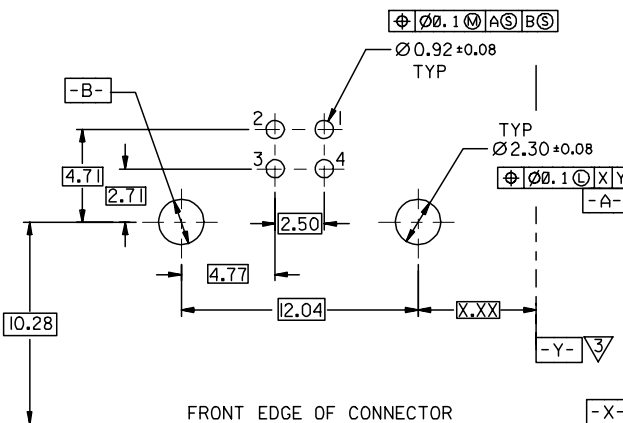
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▽ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

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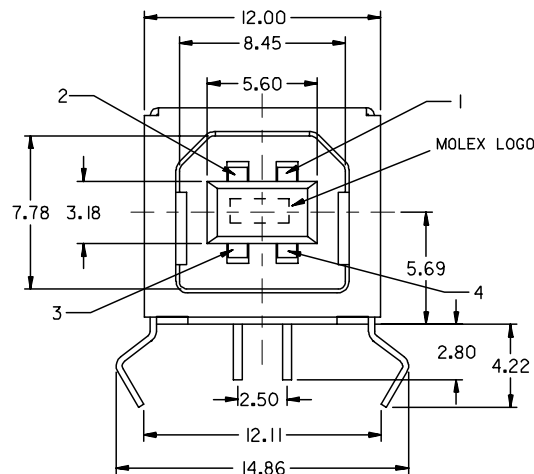
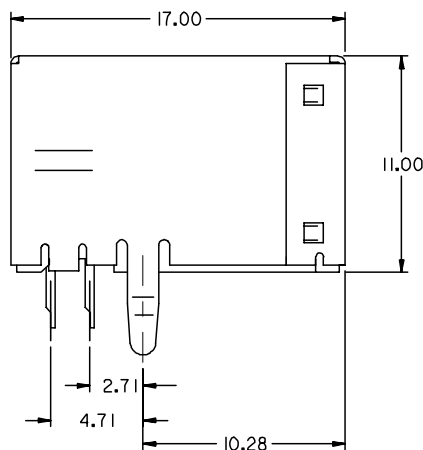
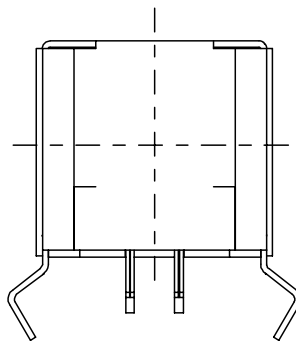
4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

MOLEX ID OF MFG PLANT CODE



FRONT EDGE OF CONNECTOR
& FRONT EDGE OF PCB

RECOMMENDED PCB LAYOUT



PART NUMBER LEGEND:

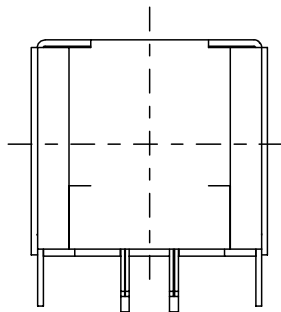
67068- 7041

										MATERIAL : SEE NOTES	 MOLEX TAIWAN LTD. SHEET 3 OF 4	
										FINISH : SEE NOTES		
										WIRE RANGE :		GENERAL TOLERANCES ANGLE : ± 3° DIM : ± .25/.010
										INS. RANGE :		
	A	NEW RELEASE FOR LEAD-FREE				DAVID HU	2004/11/5			ENG. NO.:	SD-67068-003	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 KINK TYPE BOARD LOCK (LEAD-FREE)		
REVISE ONLY ON CAD SYSTEM						APPR'D BY		SCALE 4 : 1				

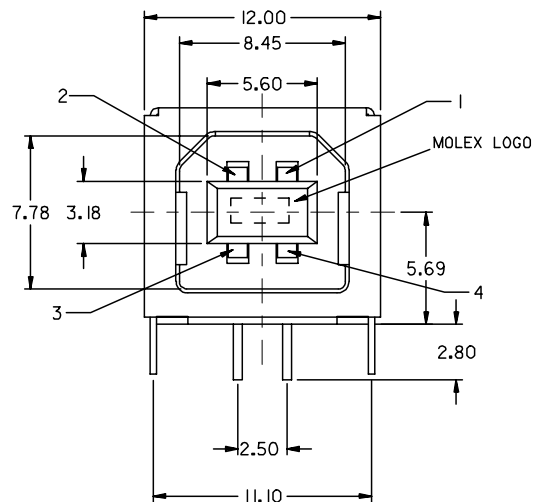
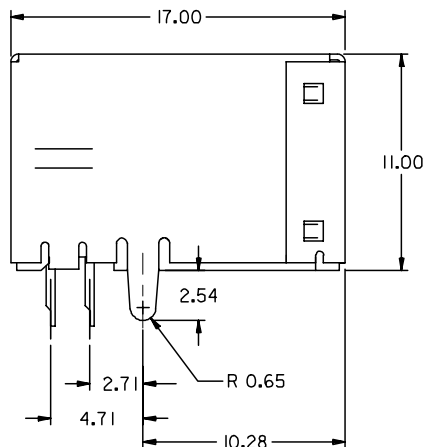
DO NOT SCALE DRAWING

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

RECOMMENDED PCB LAYOUT



67068- 7051



						MATERIAL : SEE NOTES		 MOLEX TAIWAN LTD. SHEET 4 OF 4	
						FINISH : SEE NOTES			
						WIRE RANGE :			
						INS. RANGE :			
A	NEW RELEASE FOR LEAD-FREE			DAVID HU	2004/11/5	ENG. NO.:		SD-67068-003	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	