

NOTES:

1.MATERIAL:

HOUSING:

(a) HIGH TEMP.NYLON ,GLASS FIBER FILLED ,UL 9 V-0,COLOR:BLACK.

(b)POLYESTER ,GLASS FIBER FILLED ,UL 94 V-0 ,COLOR:WHITE.

TERMINAL: PHOSPHOR BRONZE

METAL SHEEL:COPPER ALLOY

2. PLATING:

TERMINAL:

CONTACT AREA:

(c) GOLD FLASH.

(d)GOLD (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:

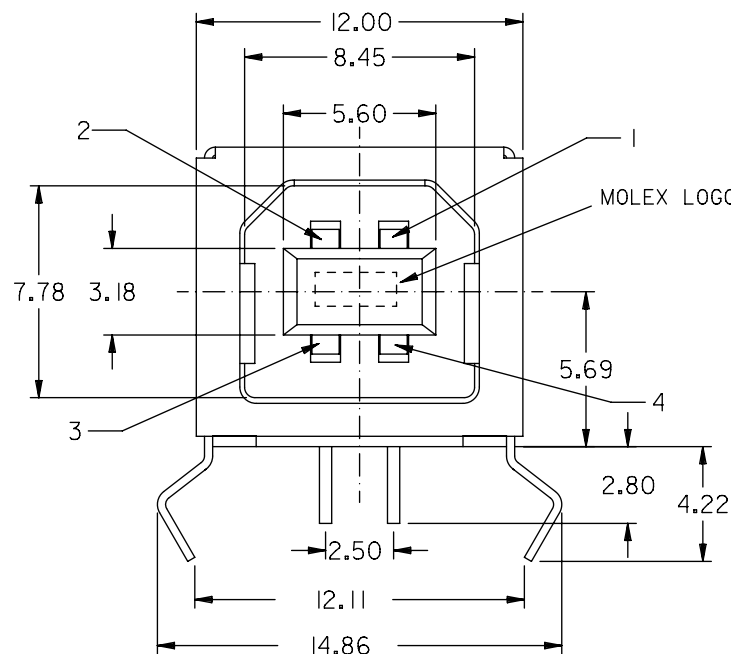
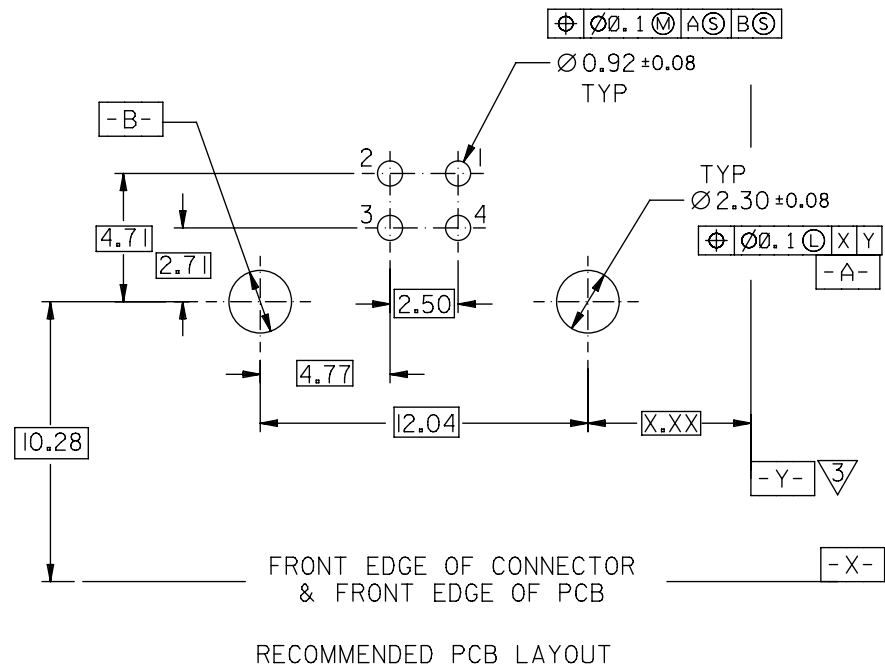
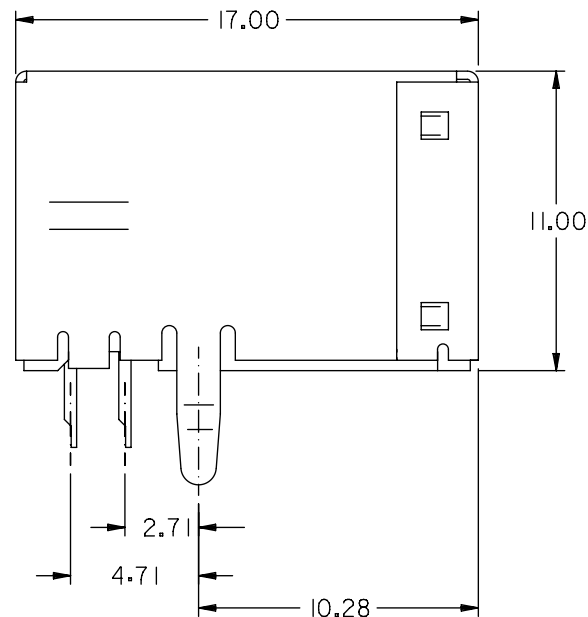
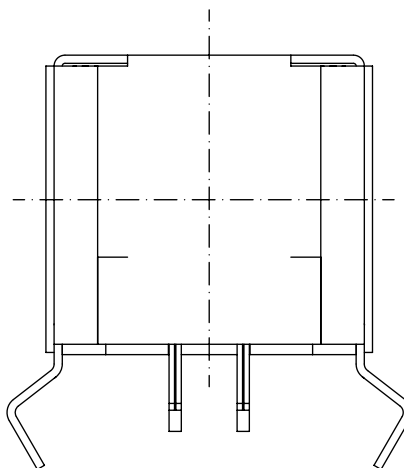
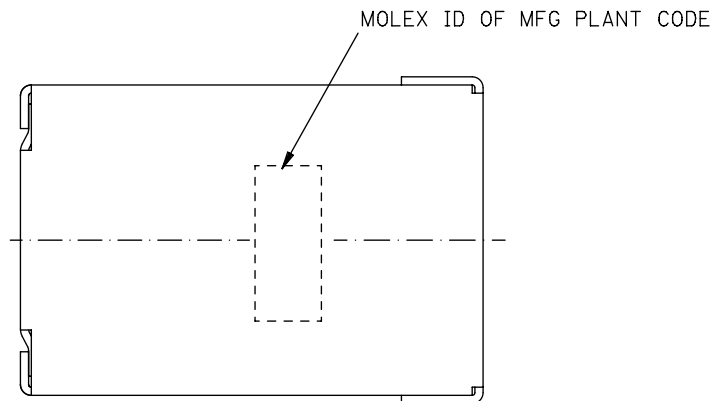
PLATING: OVERALL PLATE:NICKEL (Ni),ALL OVER SURFACE.THICKNESS :

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.



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

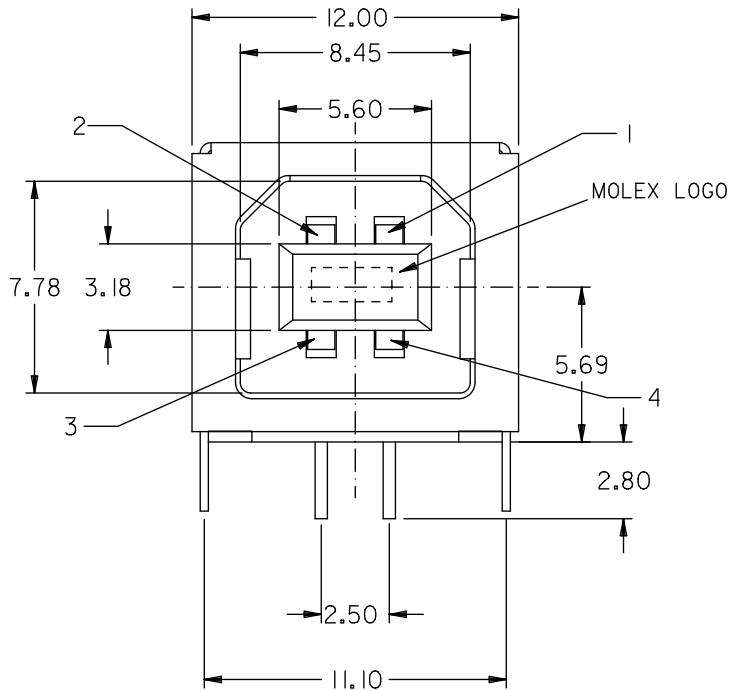
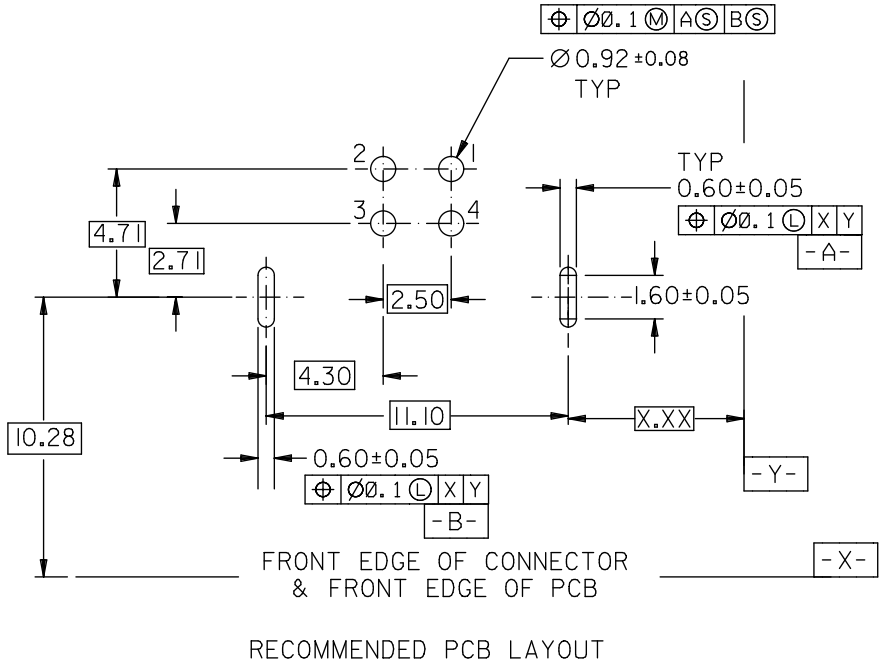
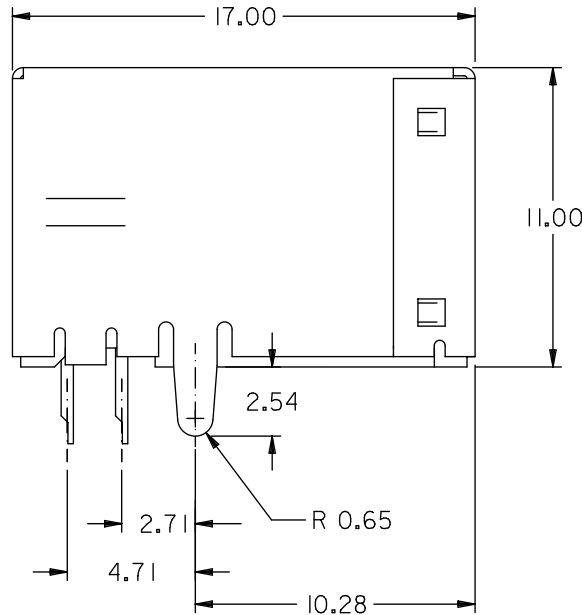
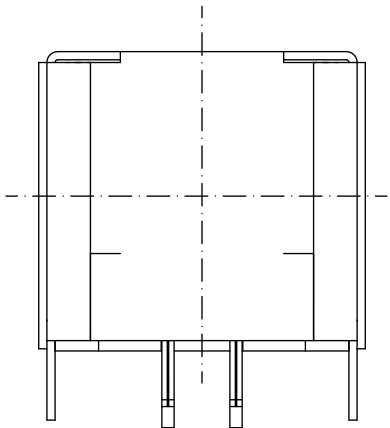
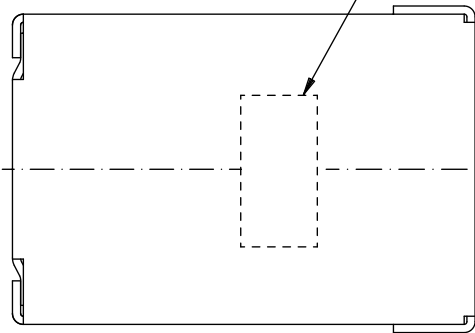
KINK TYPE BOARD LOCK

	HOUSING COLOR	PLATING
67068-8000	(a)BLACK	(c)GOLD FLASH
67068-8001	(a)BLACK	(d)30MICROINCH GOLD
67068-9000	(b)WHITE	(c)GOLD FLASH
67068-9001	(b)WHITE	(d)30MICROINCH GOLD

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FA= 0 FE= 0 FE= 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex USB B TYPE CONNECTOR KINK TYPE BOARDLOCK LEAD-FREE						
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 802815 DRWN: KCHENG06 2024/09/02 CHK'D: HORACM1 2024/10/31 APPR: HORACM1 2024/10/31					PRODUCT CUSTOMER DRAWING					
	ANGULAR TOL ± 3.0°															
	4 PLACES		±													
	3 PLACES		±													
	2 PLACES		± 0.25													
	1 PLACE		± 0.25													
	0 PLACES		±													
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
							A3-SIZE		67068				GENERAL MARKET		1 OF 3	

NOTES:
1.MATERIAL:
HOUSING:
(a) HIGH TEMP.NYLON ,GLASS FIBER FILLED ,UL 9 V-0,COLOR:BLACK.
(b)POLYESTER ,GLASS FIBER FILLED ,UL 94 V-0 ,COLOR:WHITE.
TERMINAL: PHOSPHOR BRONZE
METAL SHEEL:COPPER ALLOY
2. PLATING:
TERMINAL:
CONTACT AREA:
(c) GOLD FLASH.
(d)GOLD (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:
PLATING: OVERALL PLATE:NICKEL (Ni),ALL OVER SURFACE.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 : GOLD FLASH

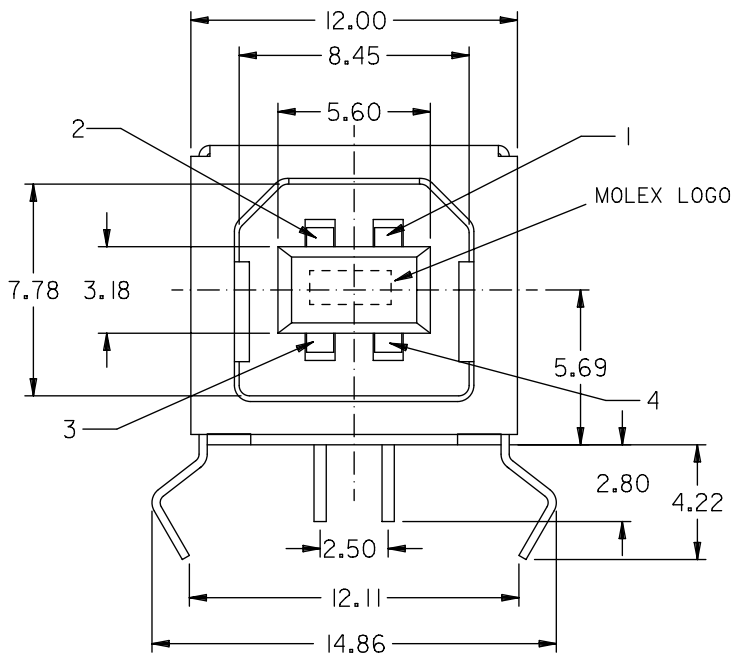
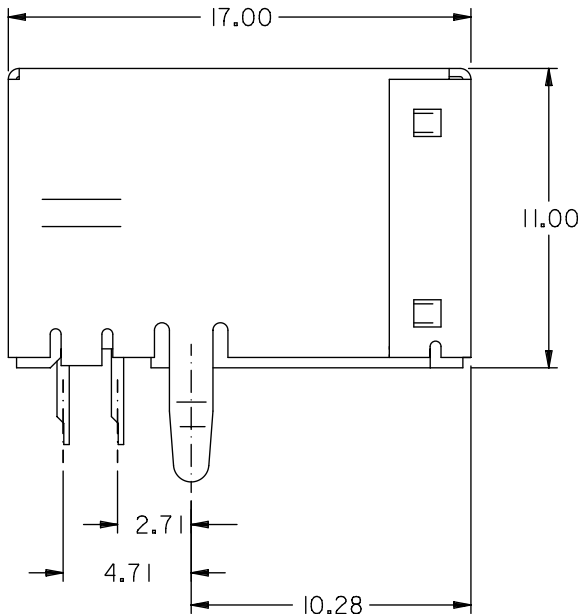
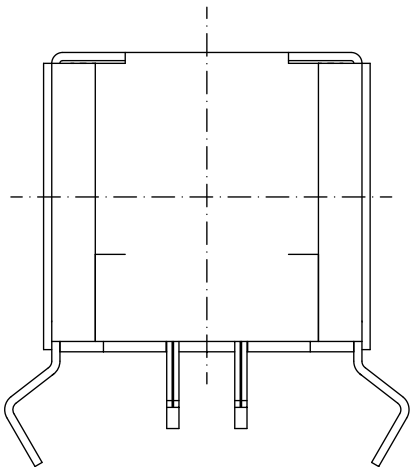
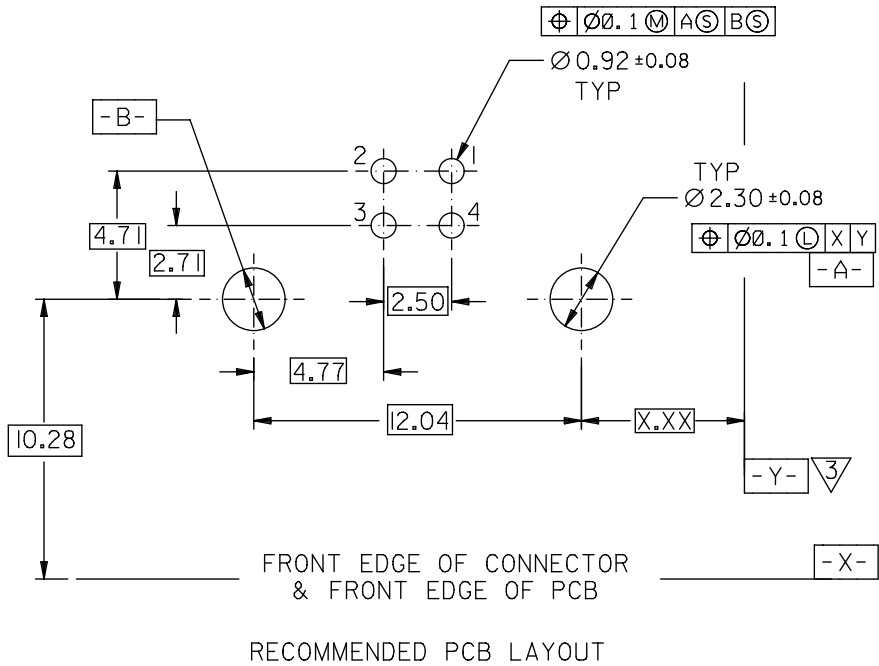
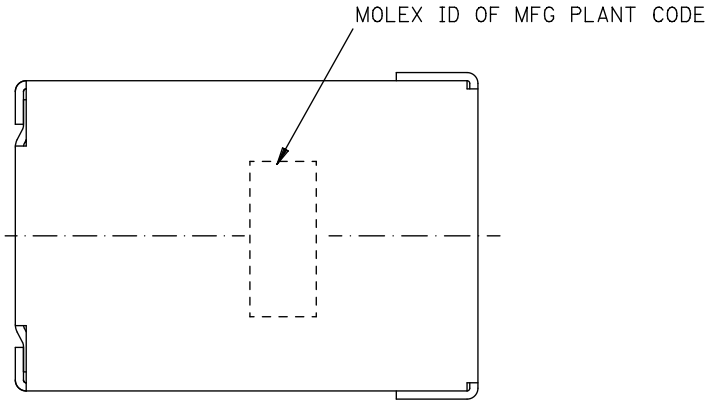
1 : 0.76 MICROMETER/30 MICROINCH GOLD

STRAIGHT TAB

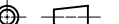
	HOUSING COLOR	PLATING
67068-8010	(a)BLACK	(c)GOLD FLASH
67068-8011	(a)BLACK	(d)30MICROINCH GOLD
67068-9011	(b)WHITE	(d)30MICROINCH GOLD

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex USB B TYPE CONNECTOR KINK TYPE BOARDLOCK LEAD-FREE														
	= 0	mm	1:1																			
	GENERAL TOLERANCES (UNLESS SPECIFIED)																					
	ANGULAR TOL ± 3.0 °																					
	= 0	4 PLACES		±	EC NO: 802815		2024/09/02 2024/10/31 2024/10/31															
	3 PLACES		±	DRWN: KCHENG06																		
	2 PLACES		± 0.25	CHK'D: HORACM1																		
	DIVISIONAL SYMBOLS	1 PLACE		± 0.25	APPR: HORACM1		INITIAL REVISION: DRWN: DHU 2004/11/24 APPR: YTYAP 2004/11/25			PRODUCT CUSTOMER DRAWING												
		0 PLACES		±																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES							DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
				B-SIZE		67068							SD-67068-003		PSD		001		B			
													MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
										GENERAL MARKET		2 OF 3										

NOTES:
1.MATERIAL:
HOUSING:
(a) HIGH TEMP.NYLON ,GLASS FIBER FILLED ,UL 9 V-0,COLOR:BLACK.
(b)POLYESTER ,GLASS FIBER FILLED ,UL 94 V-0 ,COLOR:WHITE.
TERMINAL: PHOSPHOR BRONZE
METAL SHEEL:COPPER ALLOY
2. PLATING:
TERMINAL:
CONTACT AREA:
(c) GOLD FLASH.
(d)GOLD (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:
PLATING: OVERALL PLATE:NICKEL (Ni),ALL OVER SURFACE.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.



	HOUSING COLOR	PLATING
67068-7041	(a)BLACK	(d)30MICROINCH GOLD

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex USB B TYPE CONNECTOR KINK TYPE BOARDLOCK LEAD-FREE						
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL		± 3.0 °		EC NO: 802815 DRWN: KCHENG06 2024/09/02 CHK'D: HORACM1 2024/10/31 APPR: HORACM1 2024/10/31					PRODUCT CUSTOMER DRAWING						
4 PLACES		±														
3 PLACES		±														
DIVISIONAL SYMBOLS	2 PLACES		± 0.25		INITIAL REVISION: DRWN: DHU 2004/11/24 APPR: YTYAP 2004/11/25					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	1 PLACE		± 0.25							SD-67068-003		PSD	001	B		
	0 PLACES		±													
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							B-SIZE		67068				GENERAL MARKET		3 OF 3	

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,
(b) POLYESTER , GLASS FIBER FILLED,UL94V-0, 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.

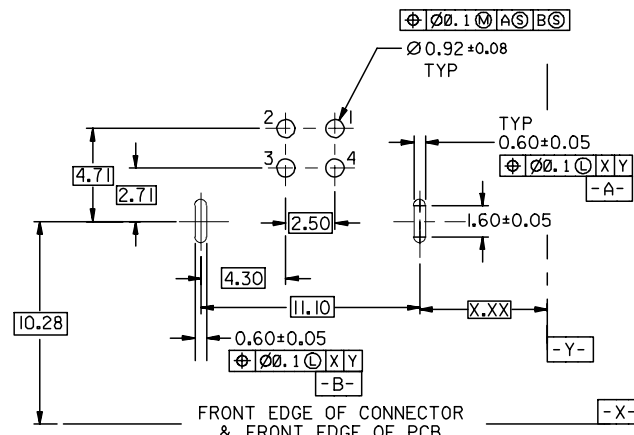
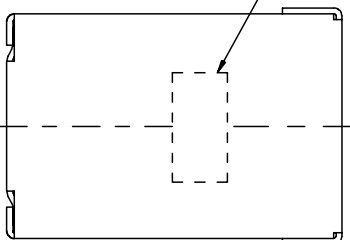
UNDER PLATE : NICKEL (Ni), THICKNESS= 50 MICROINCH MINIMUM.

3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

RECOMMENDED PCB THICKNESS : 1.60±0.05

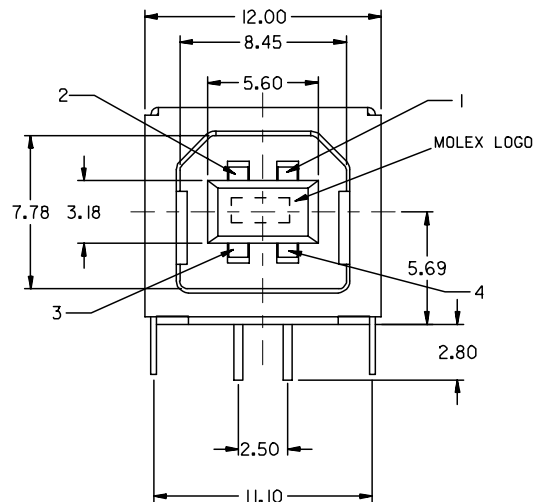
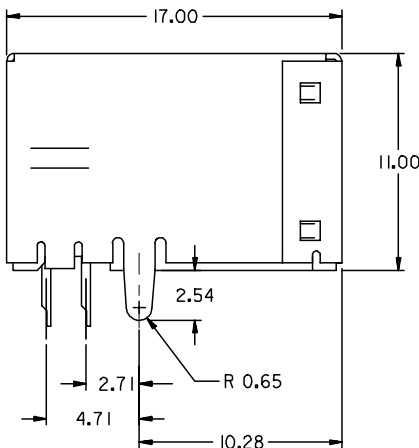
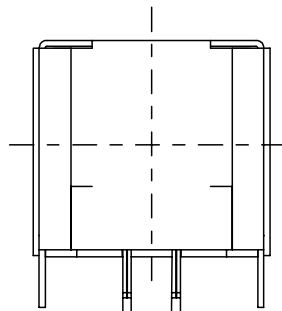
4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

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: YIYAP 2004/11/25

QUALITY
SYMBOLS
▽=0
▽C=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
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	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

DO NOT SCALE DRAWING

1

4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

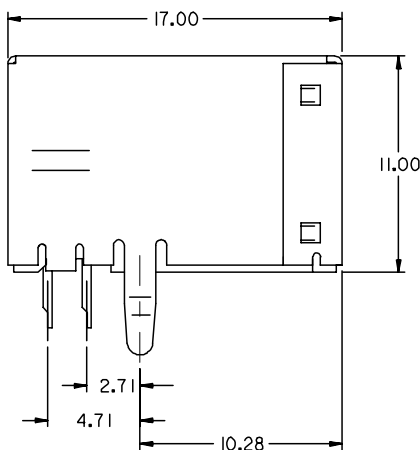
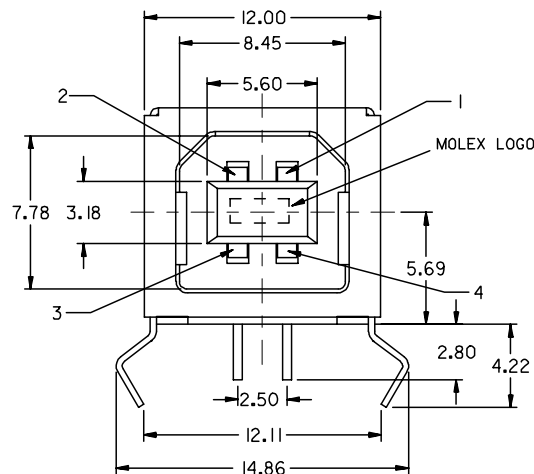


Figure 1 is a dimensional drawing of the front edge of a connector. It shows two circular features with various dimensions and tolerances. Key dimensions include 10.28, 4.71, 2.71, 4.77, 2.50, 2.04, 2.30, and 0.92. Tolerances are specified as ± 0.08 for several dimensions. Feature callouts include -B-, -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:

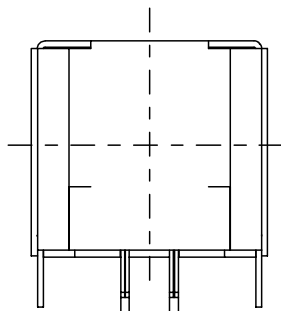
67068- 7041

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

DO NOT SCALE DRAWING

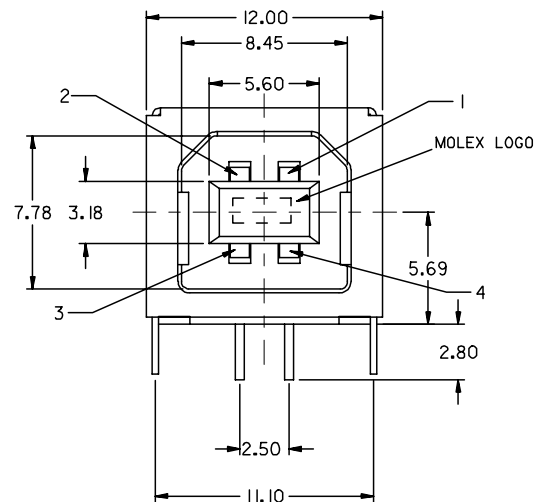
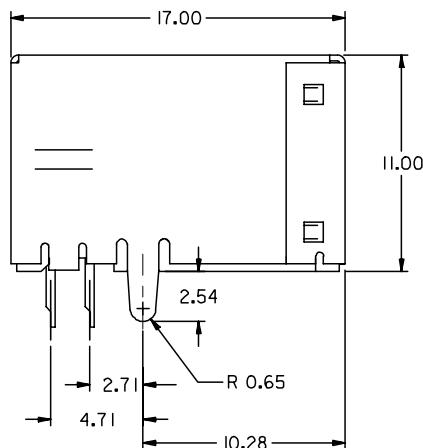
4 PRODUCT SPECIFICATION : REFER TO PS-67998-0000

RECOMMENDED PCB LAYOUT



PART NUMBER LEGEND:

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			
LTR	REVISION RECORD	ECN	DR	DATE	DRAWN BY 2004/11/5 DAVID HU	CHK'D BY	
REVISE ONLY ON CAD SYSTEM					APPR'D BY	SCALE 4 : 1	GENERAL TOLERANCES ANGLE : ± 3° DIM : ± .25/.010 ENG. NO.: SD-67068-003 REV A