

RECOMMENDED PCB DIMENSIONS

NOTES:

1.MATERIAL:

CONTACTS—COPPER ALLOY

SHELL—COPPER ALLOY

HOUSING—UL 94—V-0 RATED THERMOPLASTIC.

2.PLATING:

CONTACTS: SEE PRODUCT NUMBER CODE;



SHELL: SEE PRODUCT NUMBER CODE.

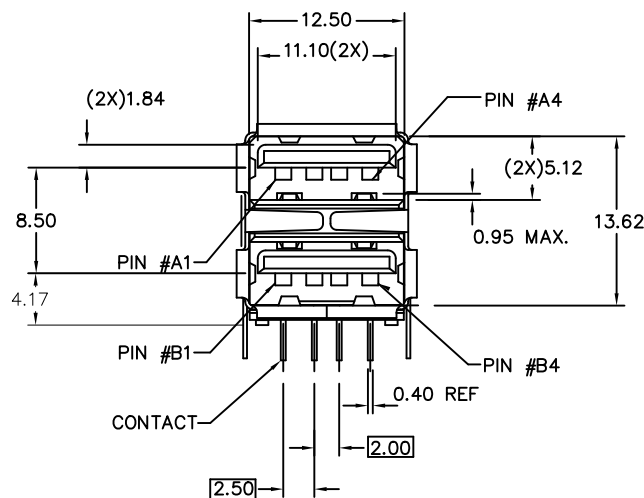
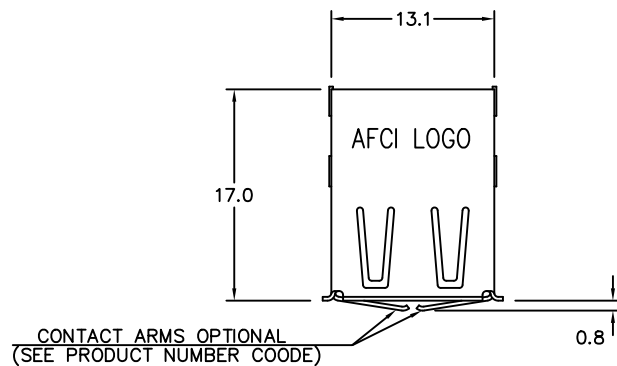
③ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

4.RECOMMENDED PC BOARD THICKNESS OF 1.57mm.

5.P/N SEE PRODUCT NUMBER CODE.

( TO BE CONTINUED)

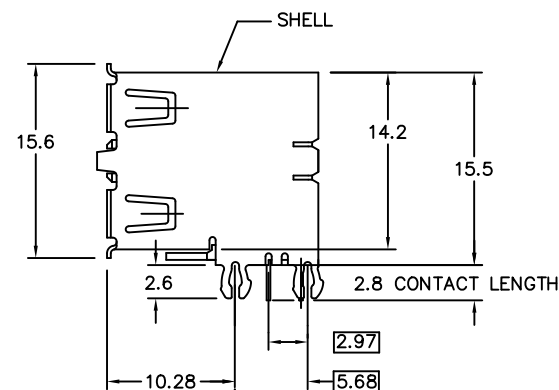
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family USB HPL511			
ltr	ecn no	dr	date	tolerances unless otherwise specified				title		UNIV. SERIAL BUS DOUBLE DECK RECEPTACLE			
AK	ELX-N-26385	LZ	2017/03/17	angles		linear		mm 					
AD	N05-0106	PH	04/13/05										
AE	N06-0101	HB	04/13/06	0°±3'				scale 1:1					
AF	N06-0133	HB	05/17/06	dr	Laurence.Zang	2017/03/17							
AG	N08-0198	RB	2008/09/10	eng	Laurence.Zang	2017/03/17		dwg no		sheet 1 of 4		size	
AH	N08-0238	RB	2008/11/01	chr	LQ Lei	2017/03/17		Amphenol FCI		72309		A3	
AJ	ELX-N-004653	A.ZH	2011/07/26	app	Tim Yao	2017/03/17		type Product Customer Drawing					
sheet	revision	AK											
index	sheet	1~4											



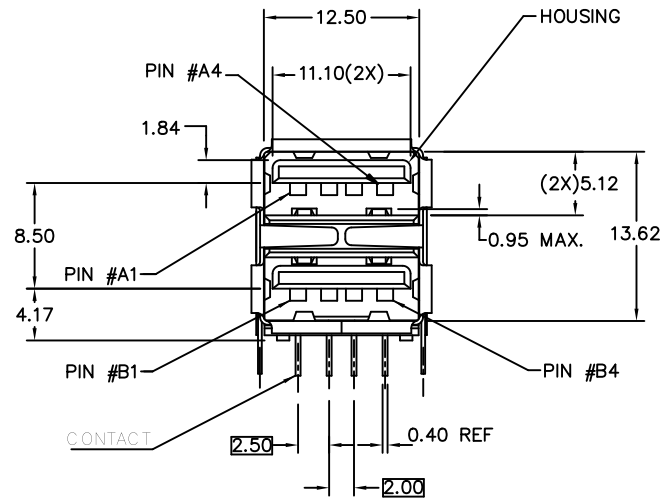
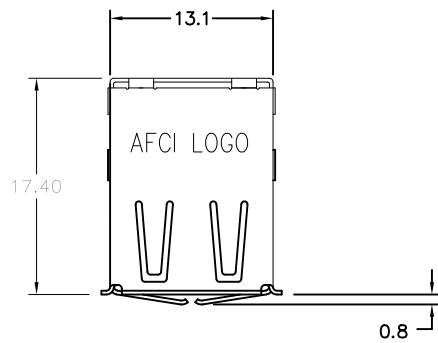
ASSEMBLY WITHOUT BACK SHIELD  
72309-XX3XX SHOWN

(CONTINUED)

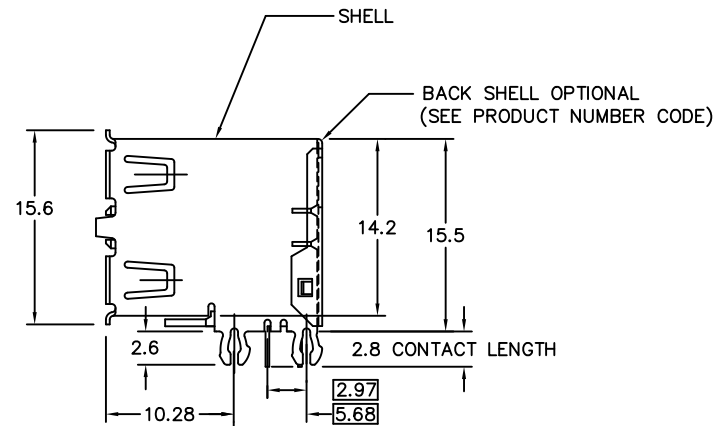
6. FOR LEAD FREE P/N, A LEAD FREE LABEL WILL APPEAR AT PACKING.
7. FOR LEAD FREE P/N, THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
8. FOR LEAD FREE P/N, THE PRODUCT MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008
9. PACKAGING SPECIFICATION PER GS-14-393.
10. PRODUCT SPECIFICATION PER GS-12-095.



mat'l. code				surface	tolerance	projection	product family	
				ISO 1302	ISO 406	ISO 1101	USB HPL511	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title	
AK					angles	.0±.3	UNIV. SERIAL BUS DOUBLE DECK RECEPTACLE	
					linear	.00±.20		
					0°±3°	.000±.10		
			dr	Laurence.Zang	2017/03/17	scale 1:1	dwg no	
			eng	Laurence.Zang	2017/03/17		sheet 2 of 4	
			chr	LQ Lei	2017/03/17		72309	
			app	Tim Yao	2017/03/17		type Product Customer Drawing	
sheet	revision	AK						
index	sheet	1~4						



ASSEMBLY WITH BACK SHIELD  
72309 - XX4XX SHOWN



mat'l. code				surface	tolerance	projection	product family	
				ISO 1302	ISO 406	ISO 1101	USB HPL511	
ltr	ecr	no	dr	date	tolerances unless otherwise specified		title	
AK					angles	.0±.3	UNIV. SERIAL BUS DOUBLE DECK RECEPTACLE	
					linear	.00±.20		
					0°±3°	.000±.10		
			dr	Laurence.Zang	2017/03/17	scale 1:1	dwg no	
			eng	Laurence.Zang	2017/03/17		sheet 3 of 4	
			chr	LQ Lei	2017/03/17		72309	
			app	Tim Yao	2017/03/17		type Product Customer Drawing	
sheet	revision	AK						
index	sheet	1~4						

# PRODUCT NUMBER CODE

72309 - X X X X X P S LF

BASE PRODUCT NUMBER

HOUSING COLOR + SHELL PLATING OPTIONS

- 0 - WHITE + NICKEL & TIN LEAD PLATING
- 1 - BLACK + NICKEL & TIN LEAD PLATING
- 2 - WHITE + NICKEL PLATING ONLY
- 3 - BLACK + NICKEL PLATING ONLY
- 4 - WHITE + NICKEL PLATING ONLY + LCP HSG
- 5 - BLACK + NICKEL PLATING ONLY + LCP HSG
- 6 - BLACK + NICKEL & TIN LEAD PLATING + LCP HSG
- 7 - BLACK + NICKEL & BRIGHT TIN PLATING
- 8 - WHITE + NICKEL & BRIGHT TIN PLATING
- 9 - BLACK + NICKEL & BRIGHT TIN PLATING +LCP HSG
- A - BLACK + NICKEL & MATTE TIN PLATING +LCP HSG
- S - BLACK + NICKEL PLATING ONLY + LCP HSG

SHELL PLATING OPTION

- 0 - BARREL-PLATING
- 1 - PRE-PLATING

SHELL OPTIONS

- 1 - NO BACK SHIELD, NO ARMS, FRONT GROUNDING ARMS
- 2 - BACK SHIELD, NO FRONT GROUNDING ARMS
- 3 - NO BACK SHIELD, FRONT GROUNDING ARMS
- 4 - BACK SHIELD, FRONT GROUNDING ARMS

TERMINAL OPTION

- 3 - 50u" Ni UNDERPLATE,30u" GXT CONTACT AREA,100u" MATTE TIN TAIL AREA  
2.80mm TAIL LENGTH
- 4 - 50u" Ni UNDERPLATE,30u" GXT CONTACT AREA,100u" MATTE TIN TAIL AREA  
2.80mm TAIL LENGTH
- 5 - 50u" Ni UNDERPLATE,30u" GOLD CONTACT AREA,100u" MATTE TIN TAIL AREA  
3.94mm TAIL LENGTH

PACKAGING OPTIONS

- B - TUBES
- R - TAPE & REEL
- Q - SPECIAL TUBES (LENGTH 600MM MAX)

WITH DATE CODE

ONLY FOR PANASONIC

LEAD FREE MARK

LEAD FREE CONVERSION RULES -  
HOUSING COLOR AND SHELL PLATING OPTION: 0 TO 8, 1 TO 7, 6 TO 9  
TERMINAL PLATING OPTION: 0 TO 4, 2 TO 3  
SPECIFIC SHELL MATERIAL FOR 12K CYCLES DURABILITY,  
PART NUMBER: 72309-S033XPLF/-S034XPLF

## NOTE:

AVAILABLE P/N'S IN FCI NOW FOLLOWED:

72309-0010X/8014XLF 72309-2010X/2014XLF  
72309-0012X/8013XLF 72309-2012X/2013XLF  
72309-0020X/8024XLF 72309-2020X/2024XLF  
72309-0022X/8023XLF 72309-2022X/2023XLF  
72309-0030X/8034XLF 72309-2030X/2034XLF  
72309-0032X/8033XLF 72309-2032X/2033XLF  
72309-0040X/8044XLF 72309-2040X/2044XLF  
72309-0042X/8043XLF 72309-2042X/2043XLF  
72309-1010X/7014XLF 72309-3010X/3014XLF  
72309-1012X/7013XLF 72309-3012X/3013XLF  
72309-1020X/7024XLF 72309-3020X/3024XLF  
72309-1022X/7023XLF 72309-3022X/3023XLF  
72309-1030X/7034XLF 72309-3030X/3034XLF  
72309-1032X/7033XLF 72309-3032X/3033XLF  
72309-1040X/7044XLF 72309-3040X/3044XLF  
72309-1042X/7043XLF 72309-3042X/3043XLF  
72309-0110X/8114XLF 72309-4040X/4044XLF  
72309-0112X/8113XLF 72309-5012X/5013XLF  
72309-0120X/8124XLF 72309-5030X/5034XLF  
72309-0122X/8123XLF 72309-5040X/5044XLF/5044XSXLF  
72309-0130X/8134XLF 72309-5140X/5144XLF  
72309-0132X/8133XLF 72309-6220X/9224XLF  
72309-0140X/8144XLF 72309-A034XLF  
72309-0142X/8143XLF 72309-3015XXLF  
72309-1110X/7114XLF 72309-3045XXLF  
72309-1112X/7113XLF 72309-S033XPLF  
72309-1120X/7124XLF 72309-S034XPLF  
72309-1122X/7123XLF  
72309-1130X/7134XLF  
72309-1132X/7133XLF  
72309-1140X/7144XLF  
72309-1142X/7143XLF

mat'l. code				surface	tolerance	projection	product family
				ISO 1302	ISO 406	ISO 1101	USB HPL511
ltr	ecn	no	dr	tolerances unless otherwise specified			title
AK				angles	.0±.3	mm	UNIV. SERIAL BUS
				linear	.00±.20		DOUBLE DECK RECEPTACLE
				0°±3'	.000±.10	scale 1:1	dwg no
				dr	Laurence.Zang	2017/03/17	sheet 4 of 4
				eng	Laurence.Zang	2017/03/17	size
				chr	LQ Lei	2017/03/17	72309
				app	Tim Yao	2017/03/17	A3
sheet	revision	AK		type Product Customer Drawing			
index	sheet	1~4					