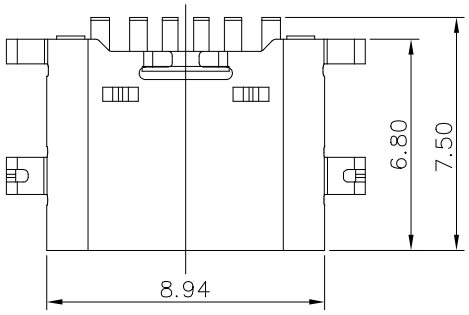
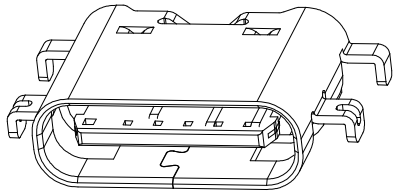
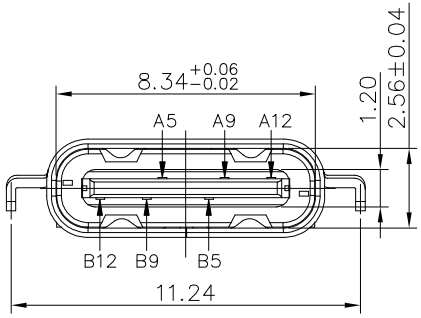
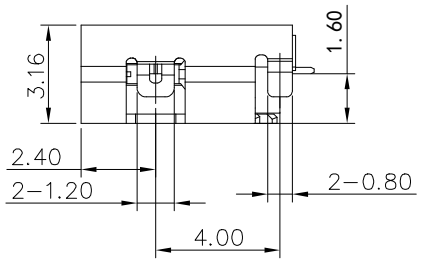
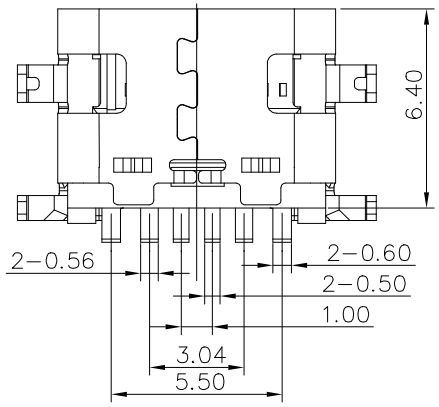
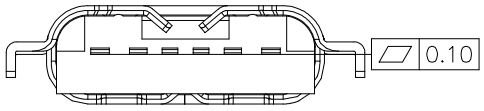












NOTE:

1. MATERIAL SPECIFICATION:
   1. HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
   2. CONTACTS:COPPER ALLOY
   3. SHELL: STAINLESS STEEL
2. PLATING SPECIFICATION:
   2-1. CONTACTS:
   Ni 50u" MIN. UNDER PLATED OVER ALL.
   CONTACT AREA :REFER THE PN.
   G/F PLATING SPECIFICATIONS OF THE SOLDER AREA.
   2-2. SHELL:
   Ni 30u" MIN. UNDER PLATED OVER ALL.
3. MECHANICAL PERFORMANCE,
   3-1. INSERTION FORCE: 5~20N.
   3-2. REMOVAL FORCE: 8~20N.
   3-3. DURABILITY: 10000 CYCLES.
4. ELECTRICAL PERFORMANCE,
   4-1. CURRENT RATING:3.0A
   VOLTAGE RATING:5.0V
   4-2. LLCR:
   VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
   SHIELD: 50mΩ/MAX.
   LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
   4-3. INSULATION RESISTANCE: 100MΩ MIN
   4-4. DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
   OPERATING TEMPERATURE: -30° C~+85° C.
6. IR REFLOW:
   THE PEAK TEMPERATURE ON THE BOARD SHALL
   BE MAINTAINED FOR 10 SECONDS AT 260° C.
7. PRODUCT PART NUMBER DESCRIPTION:
   10177822 - 0 0 0 X X LF
   - LF: LEAD FREE
   - X: PACKING TYPE: 1: TAPE AND REEL
   - X: CONTACT AREA PLATING 1: GOLD FLASH

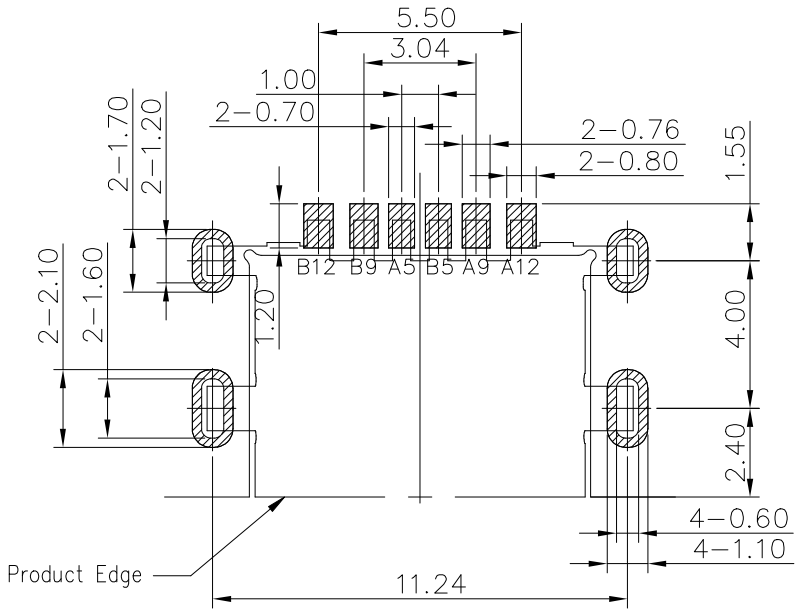
mat'l. code				surface ISO 1302		tolerance ISO 406 ISO		projection 1101	product family: USB		
ltr	ecn no	dr	date	tolerances unless otherwise				specified	title: USB TYPE C 6PIN SMT+SINK TYPE		
A	-	TY	2025/06/27	angles	linear	.X±.35		mm			
				0°±2°		.XX±.25					
						.XXX±.15		scale 1:1			
				dr	Tian-Yu Tang	2024/06/03			dwg no 10177822	sheet 1 of 2	size A3
				engr	Tian-Yu Tang	2024/06/03		Amphenol FCi			
				chr	L-Q Lei	2024/06/03					
				appd	Tim Yao	2024/06/03			type Product Customer Drawing		
sheet index	revision sheet	A 1									

© 2016 AFCI

Downloaded from Arrow.com.

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1		B12	GND
A2		B11	
A3		B10	
A4		B9	VBUS
A5	CC1	B8	
A6		B7	
A7		B6	
A8		B5	CC2
A9	VBUS	B4	
A10		B3	
A11		B2	
A12	GND	B1	



RECOMMENDED P.C.B. LAYOUT

TOLERANCE UNSPECIFIED ±0.05mm

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO		projection 1101	product family USB		
ltr	ecn no	dr	date	tolerances unless otherwise specified					title		
A				angles	linear	.X±.35		mm	USB TYPE C 6PIN SMT +SINK TYPE		
				0°±2°		.XX±.25					
						.XXX±.15		scale 1:1			
				dr	Tian-Yu Tang	2024/06/03			dwg no 10177822	sheet 2 of 2	size A3
				engr	Tian-Yu Tang	2024/06/03		Amphenol FCi			
				chr	L-Q Lei	2024/06/03					
				appd	Tim Yao	2024/06/03			type Product Customer Drawing		
sheet index	revision sheet	A 2									

© 2016 AFCI

Downloaded from Arrow.com.