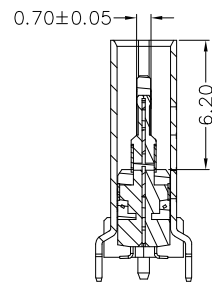
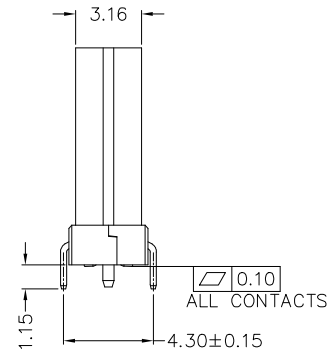
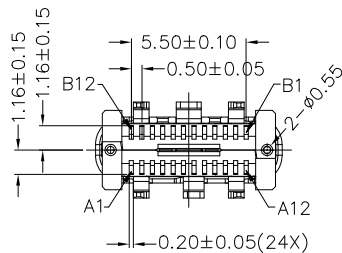
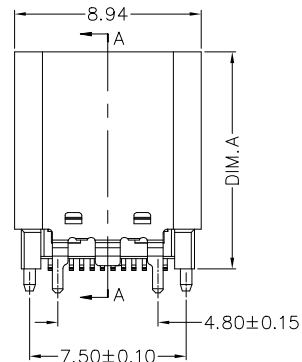
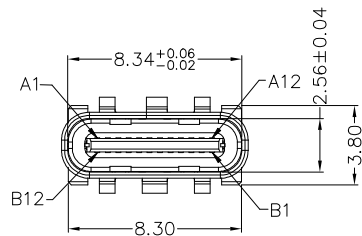


P/N:	DIM. A	DIM. B	DIM. C	DIM. D
10157529-001XXXLF	10.40	8.50	11.45	0.45
10157529-002XXXLF	9.25	7.35	10.30	1.60



SECTION A-A

- 10157529-00X X X LF
- PACKAGING
 - 1. TAPE AND REEL
 - CONTACT PLATING
 - 1. GOLD FLASH
 - 2. 30u" Au
 - 3. 15u" Au
 - TYPE
 - 1. TYPE1
 - 2. TYPE2

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC(LCP),UL94 V-0.
- 2.CONTACTS: COPPER ALLOY(C18150)T=0.12mm
- 3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm
- 4.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm
- 5.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
- Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
- (GOLD PLATING THICKNESS FOLLOW THE P/N)
- Sn PLATED ON THE SOLDER AREA OF CONTACT.

2-2.SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

- CLEAR ONLY

2-4.EMI PLATE:

- CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 5~20N.
- 3-2.REMOVAL FORCE: 8~20N,6~20N AFTER TEST;
- 3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING: 5.0A
- 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:

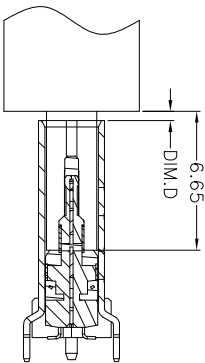
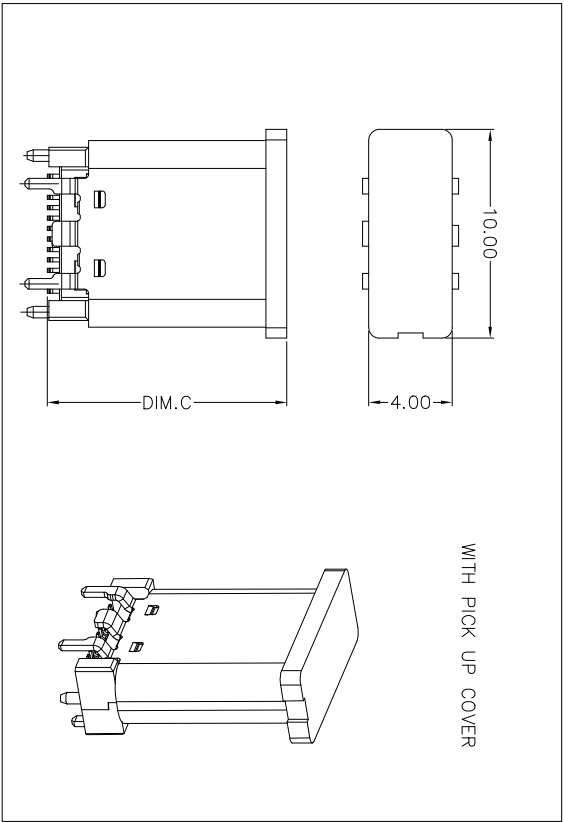
- OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

- THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

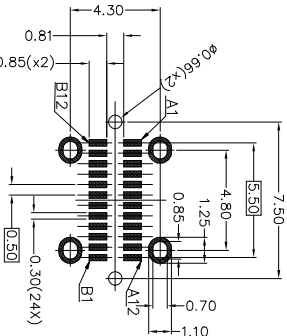
Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni: 30u" Min.	
2	GND Plate	Stainless Steel	Clear Only	
3	Mid Plate	Stainless Steel	Clear Only	
4	Top Contact	Copper Alloy	Mating Area: See P/N	
5	Bottom Contact	Copper Alloy	Solder Tails: Matt Tin	
6	Insulator	High Temperature Plastic	UL 94V-0	Black

mat'l. code				surface	tolerance	projection	product family		
				ISO 1302	ISO 406	ISO 1101	MINITEK127		
ltr	ecn no	dr	date	tolerances	unless otherwise	specified	title		
A	-	YY	2020-04-02	angles	.X±.38	mm	USB 3.1 TYPE C RECEPTACLE		
				linear	.XX±.25	mm	VERTICAL TH TYPE		
				0'±x'	.XXX±.13	scale 1:1	dwg no		
				dr	Yuan-Yuan Bao	2020-04-02	sheet 1 of 1		
				eng	Yuan-Yuan Bao	2020-04-02	size		
				chr	Tim Yao	2020-04-02	10157529		
				appd	Tim Yao	2020-04-02	type Product Customer Drawing		
sheet	revision	A							
index	sheet	1/2							



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.5±0.10MM;DEFAULT TOLERANCE:±0.05

mat'l. code					surface	tolerance	projection	product family			
					ISO 1302	ISO 406	ISO 1101	MINITEK127			
tr	ecn	no	dr	date	tolerances unless otherwise specified			title			
A					angles	linear	.X±.38	USB TYPE A RECEPTACLE			
							.XX±.25	VERTICAL TH TYPE			
					0±x'		.XXX±.13	sheet 1 of 1			
					dr	Yuan-Yuan Bao	2020-04-02	size			
					eng	Yuan-Yuan Bao	2020-04-02	10157529			
					chr	Tim Yao	2020-04-02	A3			
					qppd	Tim Yao	2020-04-02				
sheet	revision	A									
index	sheet	2/2									