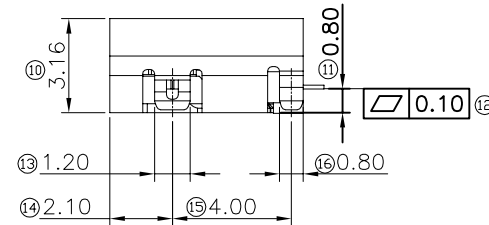
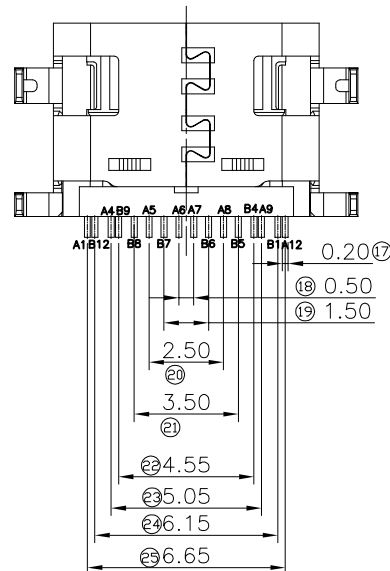
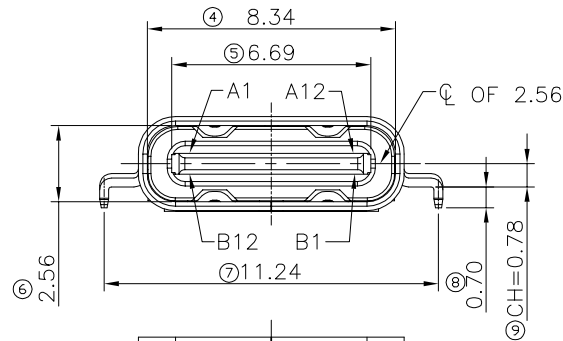
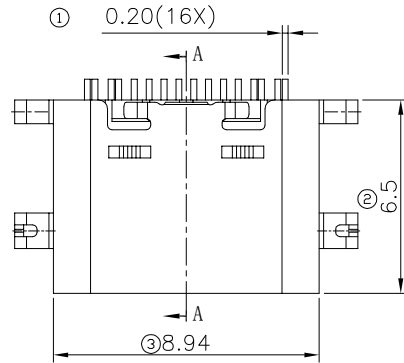


REV.	DATE	ECN NO.	MODIFICATION	APPROVER
A	2019/03/07	/	NEW	Jason



Notes:

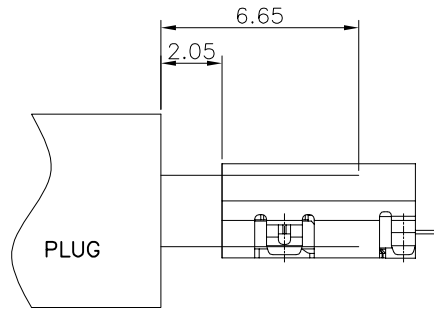
- 1.Operation voltage: 5V AC max.
- 2.Current rating 5.0Amps max.
- 3.Contact resistance:VBUS&GND PINS 40mΩ max.other pins 50mΩ max.LLCR max.Change of all pins 10mΩ
- 4.Insulation resistance: 100MΩ min.
- 5.Dielectric withstanding voltage: 100 VAC / 1minute
- 6.Operating Temperature: -25°C to +85°C
- 7.Insertion force:5~20N
- 8.Removal force:8~20N
- 9.Durability 10000 cycles.

MATERIAL

- 1.Housing:Thermoplastic(UL 94V-0)
 - 2.Contacts:Copper alloy
 - 3.Shell:Stainless steel
- Plating:
- 1.Contacts:Gold plated on contact area,Ni under plated overall
 - 2.Shell:Nickel plated.
- Lead free and ROHS compliant product.

GENERAL TOLERANCE				UNITS mm		NAME: USB		ATOM [®] 深圳市爱特姆科技有限公司 SHENZHEN ATOM TECHNOLOGY CO.,LTD.			
SELECT	☒	☐	☐	MAT'L		PART NO: USB616FC-C1051201		TITLE: CUSTOMER DRAWING FOR USB TYPE-C 16P FEMALE SMT 单排 无柱 沉板 0.8			
TOL. ON:	1	2	3								
X.XXX	±0.10	±0.05	±0.15	FINISH		APPD: Jason		DWG NO. ATOM-A05326			
X.XX	±0.25	±0.13	±0.25			CHKD: Abel					
X.X	±0.30	±0.25	±0.50	Q'TY		DR: Jillian		  SCALE 1:1 SHEET 1/2 REV A			
X.		±0.38	±1.00								
ANGLE	±2°										

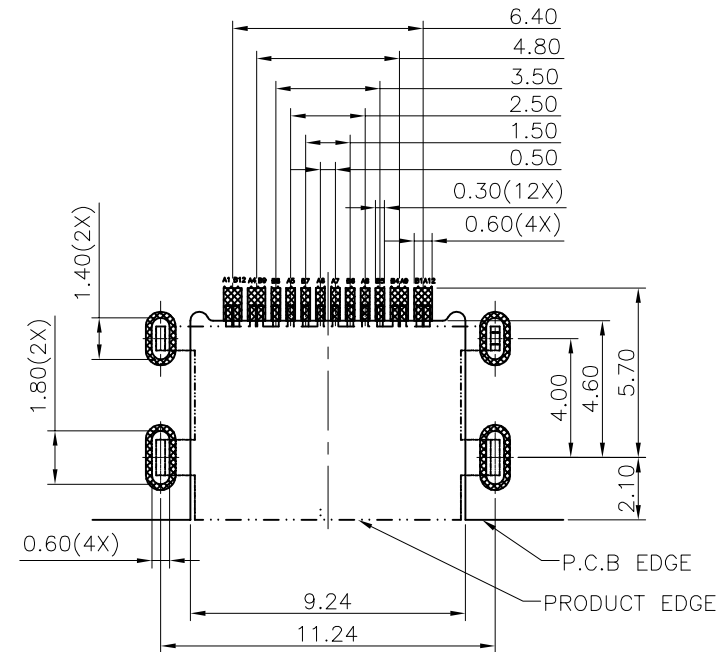
5	6	7	8
REV.	DATE	ECN NO.	MODIFICATION
A	2019/03/07	/	NEW
			APPROVER
			Jason



AFTER MATING

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

GENERAL TOLERANCE				UNITS mm		NAME: USB		ATOM [®] 深圳市爱特姆科技有限公司 SHENZHEN ATOM TECHNOLOGY CO., LTD.			
SELECT	☒	☐	☐	MAT'L		PART NO: USB616FC-C1051201		TITLE: CUSTOMER DRAWING FOR USB TYPE-C 16P FEMALE SMT 单排 无柱 沉板0.8			
TOL. ON:	1	2	3								
X.XXX	±0.10	±0.05	±0.15	FINISH		APPD: Jason		DWG NO. ATOM-A05326			
X.XX	±0.25	±0.13	±0.25			CHKD: Abel					
X.X	±0.30	±0.25	±0.50			Q'TY					
X.		±0.38	±1.00								
ANGLE	±2°										