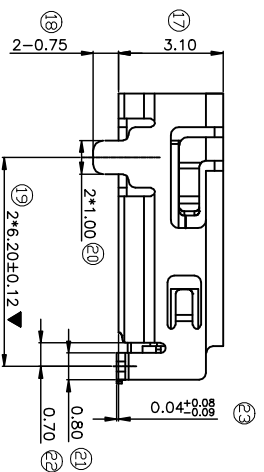
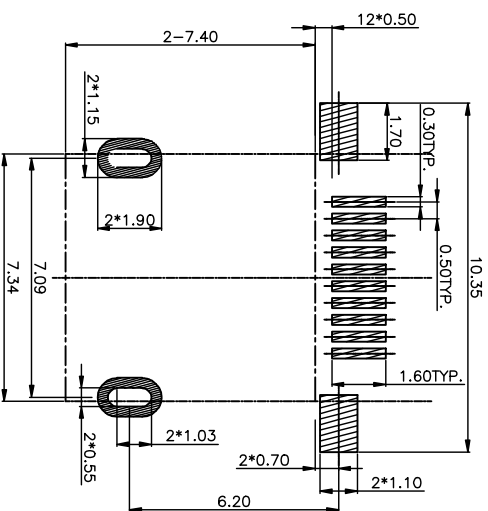
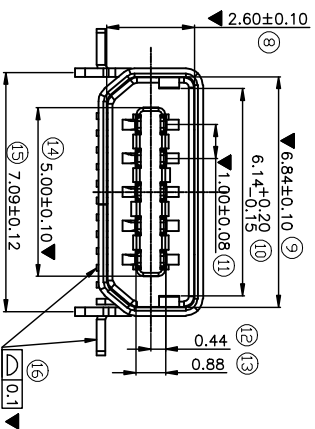
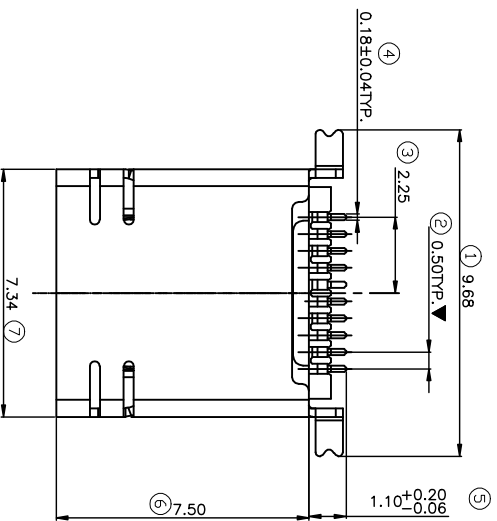


REV	DATE	ECN NO.	MODIFICATION	APPROVER
A	2022/06/28		NEW	Abel



RECOMMENDED PCB LAYOUT
(ALL TOLERANCE ARE ±0.05)

- Notes:
1. Electrical performance:
 - 1.1 Contact resistance: 50mΩ MAX
 - 1.2 Insulation resistance: 500MΩ MIN
 - 1.3 Withstand voltage: 500V AC
 2. Mechanical properties:
 - 2.1 Insertion force: 2.4kgf MAX
 - 2.2 Extraction force: 0.2kgf MIN
 - 2.3 Life: 5000 cycles
 3. Environmental performance:
 - 3.1 Salt spray: 24H
 4. Ratings:
 - 4.1 Rated current: 0.3A
 - 4.2 Rated voltage: 30V
 - 4.3 Operating temperature: -25°C ~ +70°C
 5. Major dimension: ∇
 6. LEAD FREE AND RoHS COMPLIANT PRODUCT
 7. Meet USB Association specification

N.O	PART NAME	QTY	DESCRIPTION
1	HOUSING	1	HIGH TEMPERATURE THERMOPLASTIC (UL94-V0), BLACK
2	UPPER CONTACT	6	COPPER ALLOY T-0.15mm UNDER PLATED FOR W/IN NICKEL OVER ALL, GOLD OVER ALL
3	UNDERSEAL CONTACT	6	COPPER ALLOY T-0.15mm UNDER PLATED FOR W/IN NICKEL OVER ALL, GOLD OVER ALL
4	SHIELD	1	COPPER ALLOY T-0.25mm UNDER PLATED FOR W/IN NICKEL OVER ALL, TIN OVER ALL

GENERAL TOLERANCES			UNITS	NAME:	MINI USB 10P
SELECT	✓		MAT'L	PART NO:	USB110FD-C1013***
DN	1	2	3	FINISH	
X.XXX	±0.01	±0.005	±0.01	APPD:	
X.XX	±0.01	±0.01	±0.02	CHKD:	
X.X	±0.02	±0.02	±0.03	DR:	Abel
X	±0.05	±0.05	±0.10	ANGLE	±2°

TITLE:		DWG NO.	
MINI USB 10P FEMALE SMT 连接器		ATOM-AC2168	
SCALE	SHEET	REV	
1:1	1/1	A	

ATOM 深圳市爱特姆科技有限公司
SHENZHEN ATOM TECHNOLOGY CO., LTD.