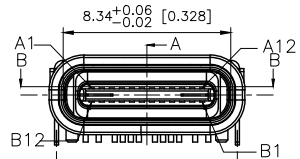
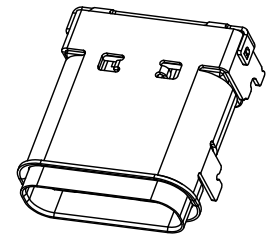
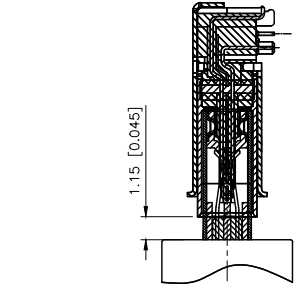
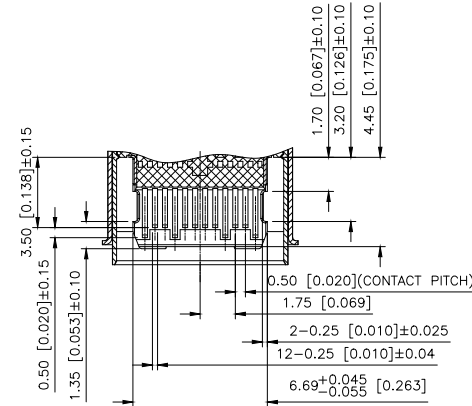
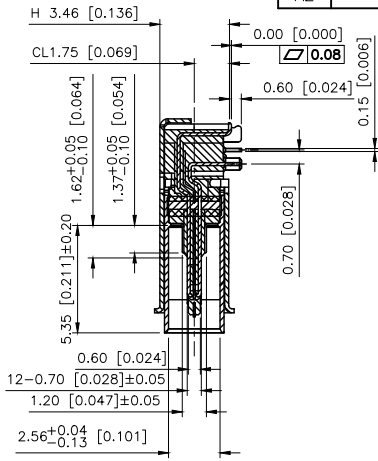
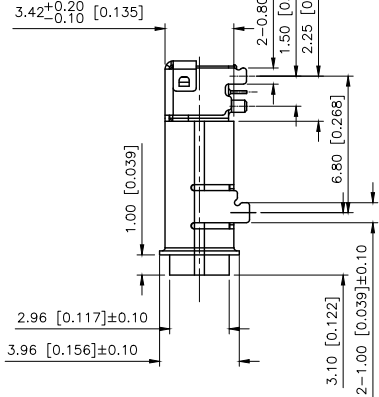
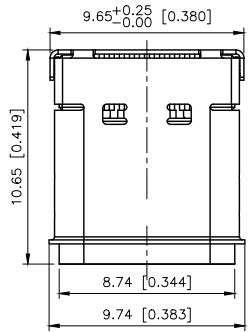


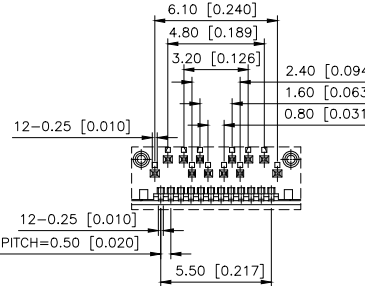
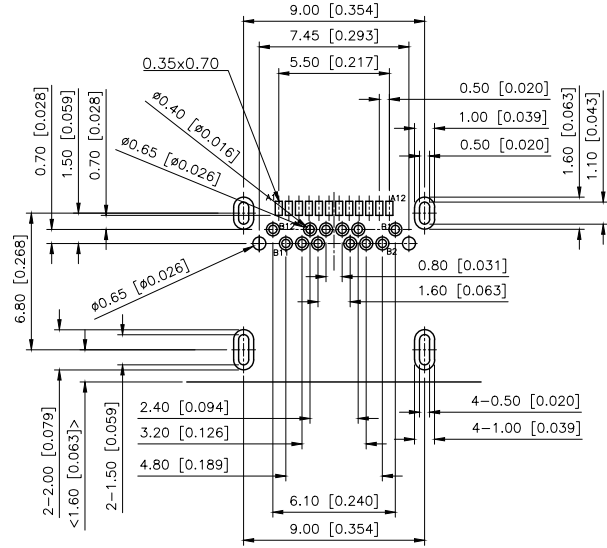
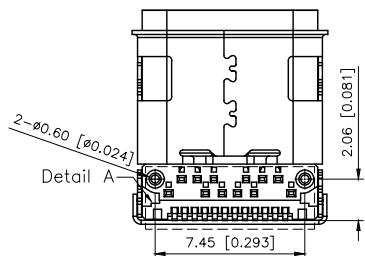
REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A1	N/A		图面升级整理图面	2025.09.26	阿树
A2	ECN-P-2026031002		产品防水圈变更	2026.03.10	阿树



SECTION A-A

SECTION B-B

- NOTE:
- MATERIAL:
 - INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
 - CONTACT: COPPER ALLOY(T=0.15mm)
 - SHELL: STAINLESS STEEL(T=0.20mm)
 - ELECTRICAL CHARACTERISTICS:
 - CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
 - CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN(PINA1,A4,A9,A12,B1,B4,B9,B12); 1.25A FOR V_{CONN} PIN; 0.25A FOR OTHER SIGNAL PIN.
 - DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
 - INSULATION RESISTANCE 100MΩ Min
 - OPERATING TEMPERATURE: -40°C ~ 85°C
 - MECHANICAL CHARACTERISTICS:
 - MATING FORCE: 5~20 N.
 - UNMATED FORCE: 6~20N AFTER TEST
 - DURABILITY: 10,000 CYCLES
 - PLATING
 - TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
 - OUT SHELL: 50u" Min. NICKEL ALL OVER
 - INNER SHELL: DEGREASE



RECOMMEND P.C.B. LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05
KEEP OUT AREA

USB31-TYPEC-32X41-XFS

- 1:Black(Waterproof ring color)
- 2:Red(Waterproof ring color)
- 41: IP67
- 1: G/F

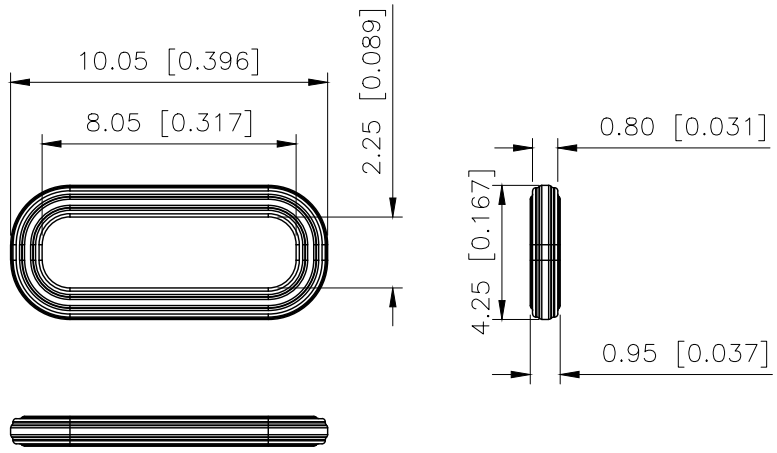
Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V _{bus}	First	B9	V _{bus}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{bus}	First	B4	V _{bus}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	

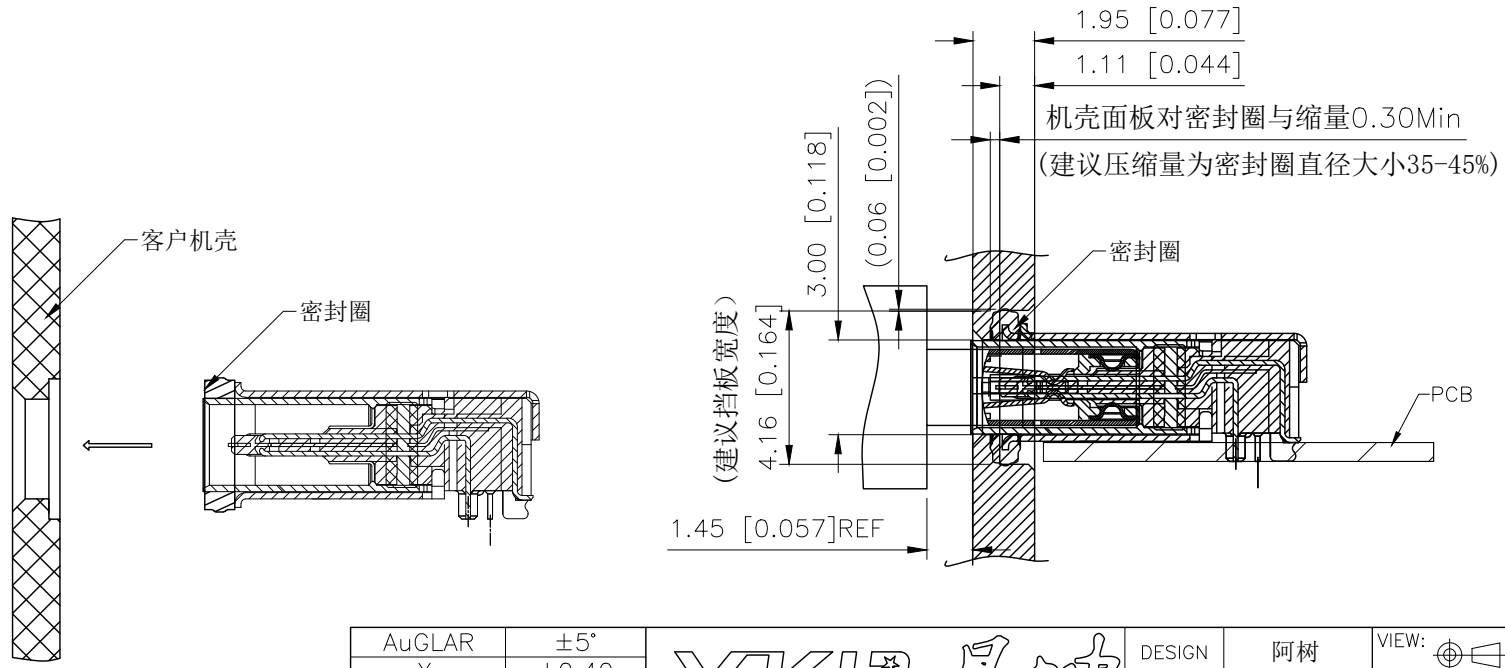


DESIGN	阿树	VIEW:		MODEL TYPE:	MICRO USB
CHECKED		UNIT:	mm/in	PART NO.:	USB31-TYPEC-32X41-XFS
APPROVED		SIZE:	A4	DWG NO.:	

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A1	N/A		图面升级整理图面	2025.09.26	阿树
A2	ECN-P-2026031002		产品防水圈变更	2026.03.10	阿树



建议防水圈规格 (材质硅橡胶)
料号: XKQ-442-DR(Red)
XKQ-442-DB(Blak)



AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



DESIGN	阿树	VIEW:		MODEL TYPE:	MICRO USB
CHECKED		UNIT:	mm/in	PART NO.:	USB31-TYPEC-32X41-XFS
APPROVED		SIZE:	A4	DWG NO.:	

XKB INDUSTRIAL PRECISION CO., LIMITED

SCALE	PAGE	REVISION
N/A	2/2	A2