

REV	ECN No.	DATE	REMARK
A	NEW	2023.11.16	NEW RELEASE

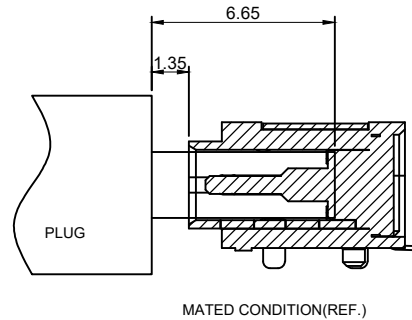
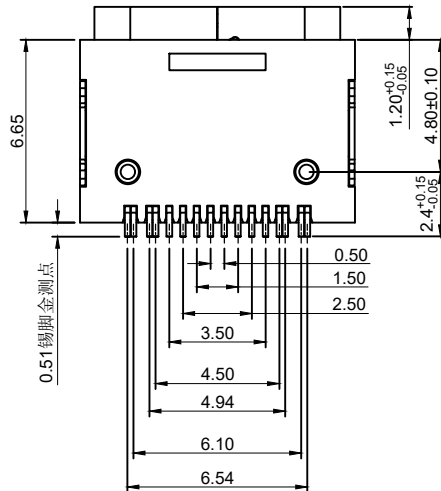
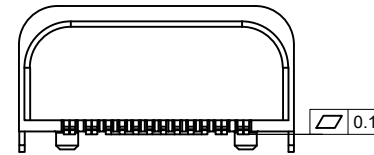
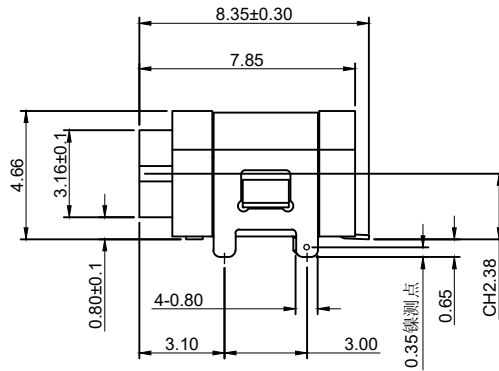
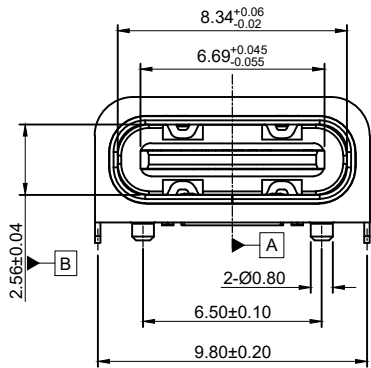
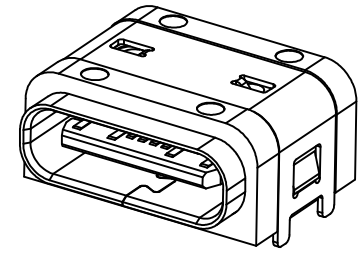
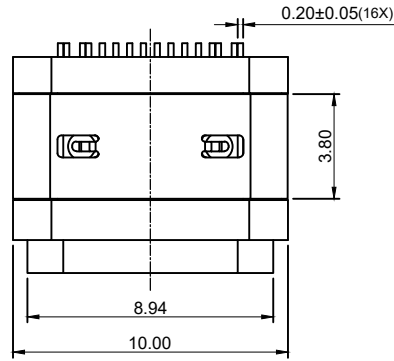
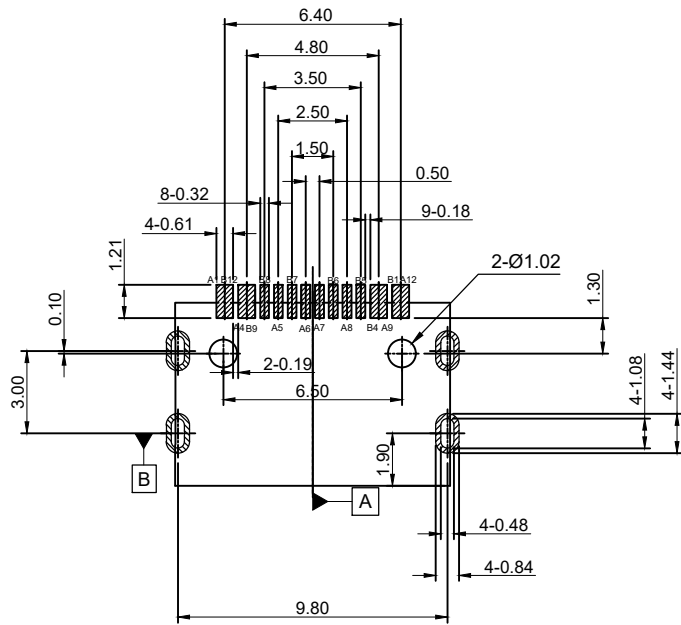


Table:

No.	Description	QTY	Material	Remarks
8	Run-Ring	1PCS	Silica Gel	Black
7	Glue	1PCS	环氧胶	Black
6	Inside Shell	1PCS	Stainless Steel SUS304 T=0.3mm	Ni Plated:40U*Min
5	Out Shell	1PCS	Stainless Steel SUS304 T=0.2mm	Ni Plated:40U*Min
4	Shield Ding Plate	1PCS	Stainless Steel SUS301 T=0.15mm	----
3	Contact	1SET	C7025 T=0.15mm	Au 1u" Plated on Contact Area; Au GF Plated on Solder Area; Nickel 30u"Min Underplating Over All.
2	Shell Housing	1PCS	PA46/PA9T UL94V-0	Black
1	Housing	1PCS	LCP UL94V-0	Black

GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: Date: HuangXiaoHao 2024.12.12		GOLDCONN TECHNOLOGIES COMPANY LIMITED	
X.XXX	±0.10	CHECKED BY: Date: liuzongliang 2024.12.12		TITLE	
X.XX	±0.15	APPROVED BY: Date: Jacky 2024.12.12		USB 2.0 Type-C Receptacle 16Pin Top-Mount, Waterproof,SMT,L=7.85	
X.X	±0.20	ANGULAR ±3°		PART NO. Ordering Information	DWG NO. CFW16-042-22
THIRD ANGLE PROJECTION	UNT mm	SCALE 1:1	DRAWING A4	SHEET NO. 1 OF 3	REV. A

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Recommended PCB Layout
Tolerance:±0.05mm

Note:

- Electrical:
 - Current Rating: 5A
 - Voltage Rating: 20V DD/AC (Rms. Max)
 - Initial Contact Resistance: 40 mΩ
 - Insulation Resistance: 100MΩ Min
 - Dielectric Withstanding Voltage: 100V AC Min;
- Mechanical Characteristics:
 - Mating Force: 5~20N
 - Unmating Force: 8~20N(Initial),
6~20N(After 10000 Cycles)
 - Frequency: 10000 Cycles
 - Operating Temperature: -30°C~85°C.
- Salt Spray: 24H
- Waterproof: IP68 1.5M@30Minutes.

Ordering Information:

CF W 16 - 042 S X B 11 VR - 22
 1 2 3 4 5

- Product Type:
W: Waterproof
- Pin No.:
16: 16Pin
- Shell Housing:
C: PA9T
L: PA46
- Housing Color:
B: Black
- Contacts Plated:
11: Contact Area: Au 1u", Solder Tails: GF
- Packing Options:
VR: Tape & Teel+ Vacuum Packaging

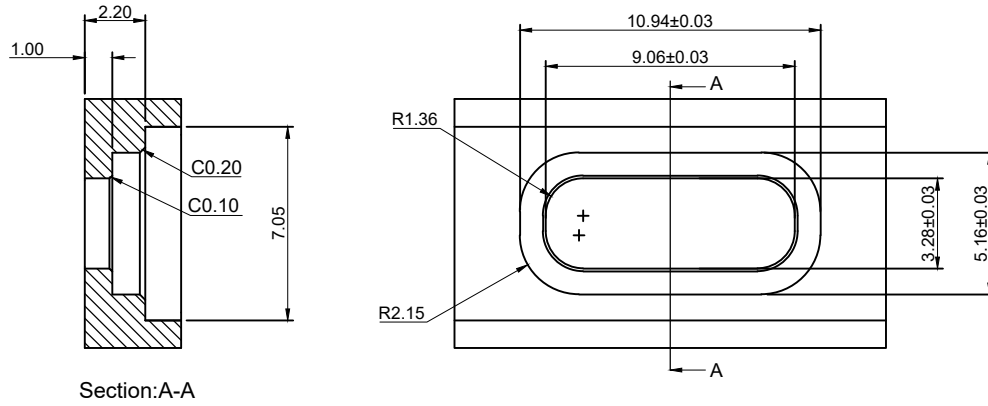
USB Type-C Pin Assignments

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

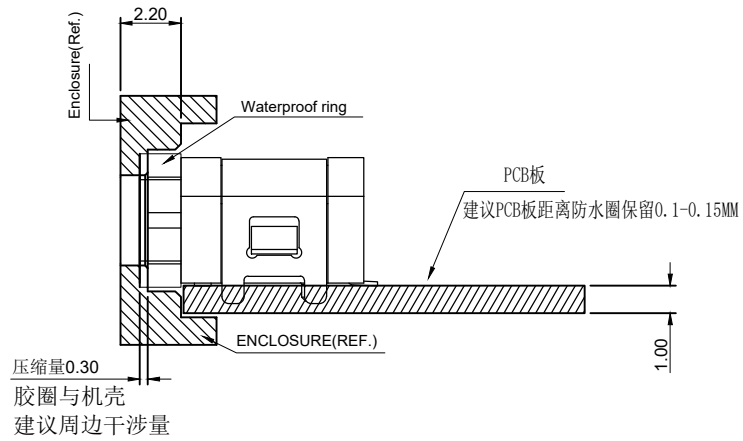
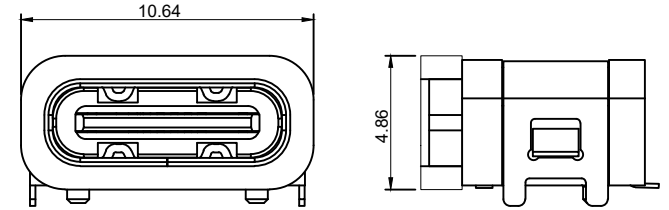
GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: HuangXiaoHao Date: 2024.12.12		GOLDCONN TECHNOLOGIES COMPANY LIMITED	
X.XXX	±0.10	CHECKED BY: liuzongliang Date: 2024.12.12		TITLE USB 2.0 Type-C Receptacle 16Pin Top-Mount, Waterproof, SMT, L=7.85	
X.XX	±0.25	APPROVED BY: Jacky Date: 2024.12.12		PART NO. Ordering Information	
X.X	±0.30	ANGULAR ±3°		DWG NO. CFW16-042-22	
THIRD ANGLE PROJECTION		UNT mm	SCALE 1:1	DRAWING A4	SHEET NO. 2 OF 3
				REV. A	

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机壳开孔建议尺寸图



组装防水圈示意图

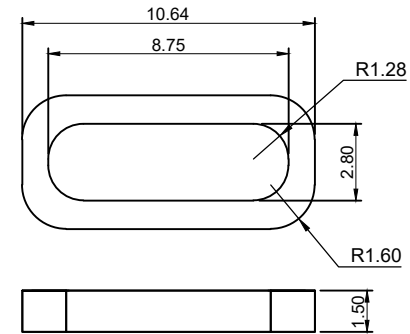
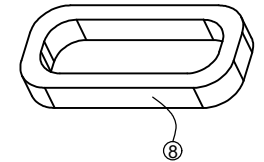


Recommended Schematic Drawing of Connector Match Chassis

O-RING VIEW

备注:

- 1.防水圈料号: GJ002GBP-02
- 2.材质硅橡胶, 防水密封用
- 3.黑色材料
- 4.材料符合RoHS
- 5.Shore hardness 60A



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X.XX	±0.25	APPROVED BY: Date: Jacky 2024.12.12		USB 2.0 Type-C Receptacle 16Pin Top-Mount, Waterproof,SMT,L=7.85	
X.X	±0.30	THIRD ANGLE PROJECTION		PART NO.	DWG NO.
ANGULAR	±3°	UNT	SCALE	Ordering Information	
		mm	1:1	DRAWING	CFW16-018-22
				SHEET NO.	REV.
				A4	A
				3 OF 3	