

SPECIFICATION

Current Rating:5A For Pin(A4,A9,B4,B9)
1.25A For Pin(B5)
0.25A For Other Pins

Voltage Rating:20V

Insulation Resistance:100 Megaohms Min.

Contact Resistance:VBUS & GND Pins And
Other Pins:40 Milliohms/Pin Max.

Shield:50 Milliohms Max.

LLCR Max. Change Of All Pins:10 Milliohms

Dielectric Withstand Voltage:100V/AC 1 Minute

Operation Temperature:-25°C~+85°C

Insertion Force:5~20N

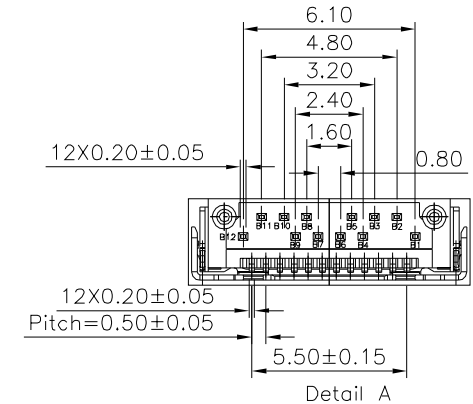
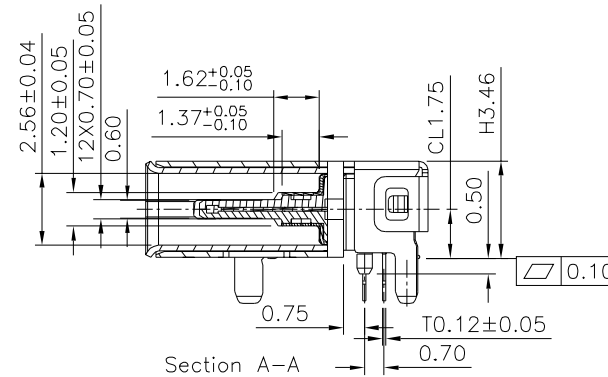
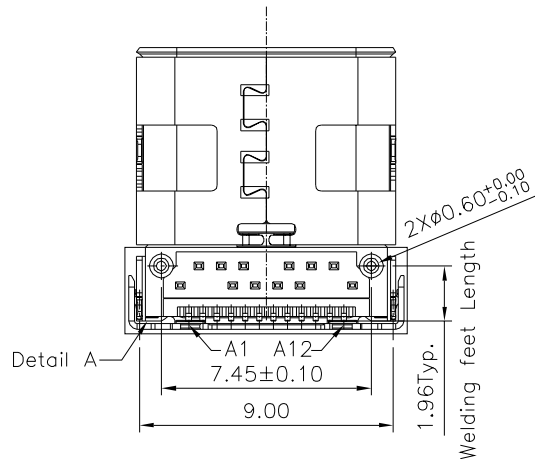
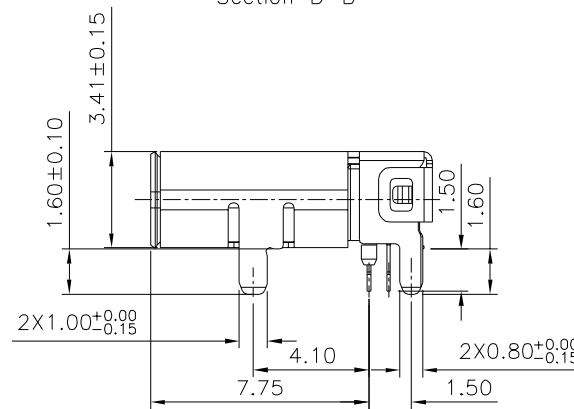
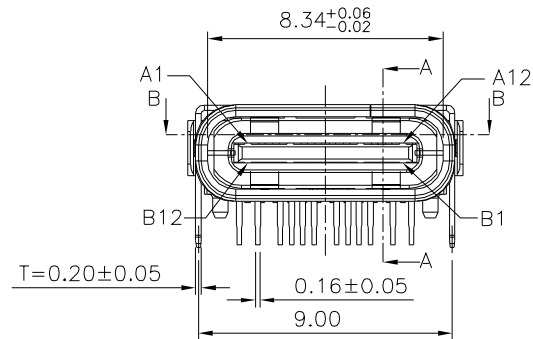
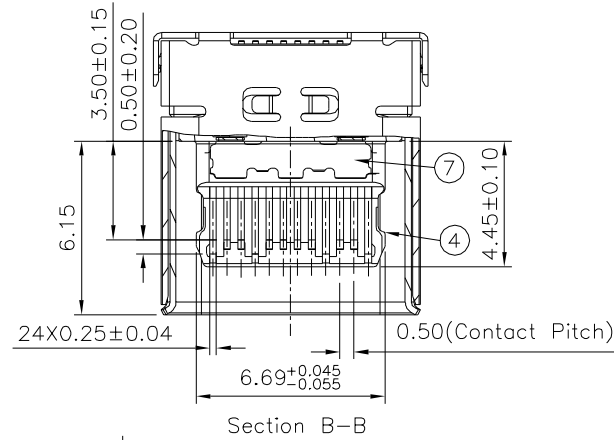
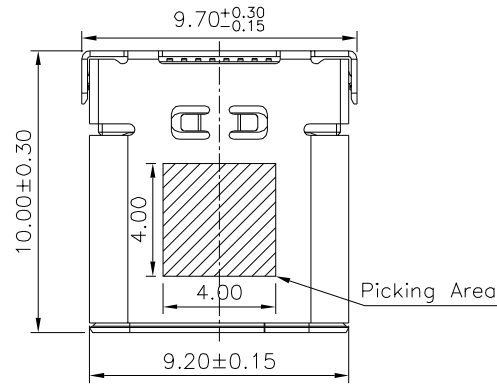
Extraction Force:Initial:8~20N

After Durability:6~20N

Durability:10000 Cycles

MID Plate,EMC Plate,Shell Connected Together

RoHS Compliant



4UCON 元化興業股份有限公司
4UCON TECHNOLOGY INC.

DRAWING No.

22658

SCALE

NONE

APPROVED BY

MEI

CHECKED BY

HZF

DRAWING BY

LSM

REV.

A0

UNLESS OTHERWISE
SPECIFIED
TOLERANCES ARE

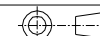
.X ±0.30

.XX ±0.25

.XXX ±0.10

UNIT

mm



NO.

REV.

NEW RELEASE

REVISIONS

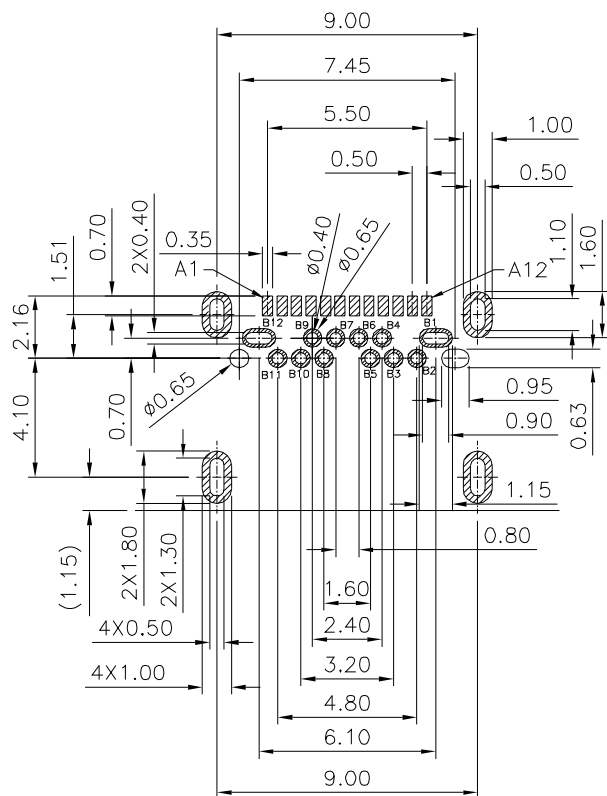
CHK

DATE

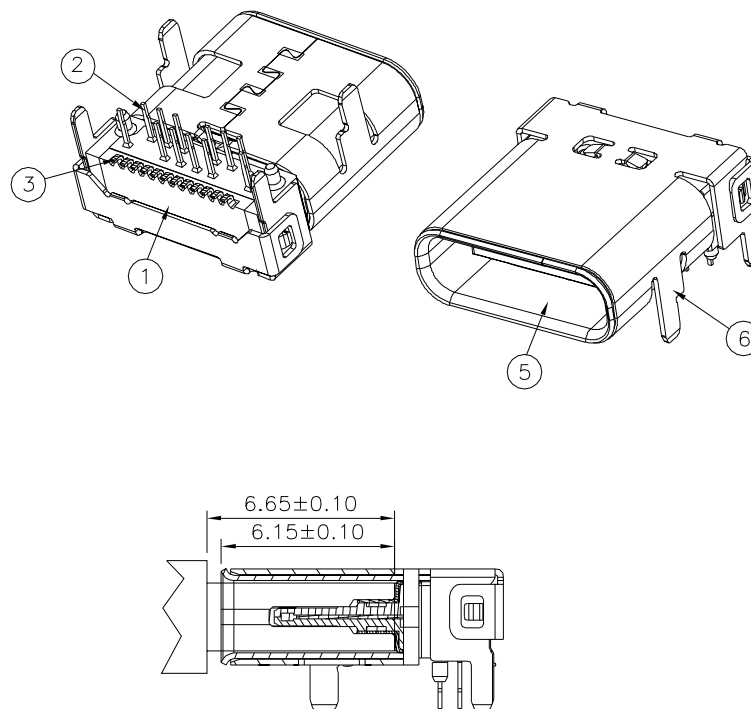
HZF

10/17/2023

DATE



Recommended P.C.B. Layout(Component Side)
(PCB Board Tolerance ± 0.05)



Mated Condition(Ref.)

USB Type-C Pin Assignments

Pin	Signal Name	Pin	Signal Name
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp
A3	SSTXn1	B10	SSRXn
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	SSTXn1
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

⑦	EMC Plate	Stainless Steel	Clear Only	2Pcs
⑥	Out Shell	Stainless Steel	Nickel Plated	1Pcs
⑤	Inner Shell	Stainless Steel	Nickel Plated	1Pcs
④	Shielding Plate	Stainless Steel	Clear Only	1Pcs
③	SMT Contact	Copper Alloy	Gold Plated On Contact Area,Tin	1Set
②	DIP Contact	Copper Alloy	Plated On Solder Tails,Over Nickel	1Set
①	Housing	LCP(UL94V-0)	Black	1Pcs
No.	Description	Material	Remark	Q'ty

4UCON 元化興業股份有限公司
4UCON TECHNOLOGY INC.

DRAWING No.

22658

SCALE

NON

APPROVED BY

MEI

CHECKED BY

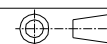
HZF

DRAWING BY

LSM

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
.X	± 0.30
.XX	± 0.25
.XXX	± 0.10

UNIT	mm
------	----



	$\triangle$	A0

NEW RELEASE

NO.	REV.
-----	------

REVISIONS

	H7F
--	-----

CHK	CHK
-----	-----

10/17/2023

10/17/2	DATE
---------	------