

Dept Qty
DC 1
ED 1
IE 1
ISO 1
PD 1
R&D 1
SD 1
QA 1
QC 1
QE 1

The information provided herein is from CONNLY Electronic Co., Ltd. and is confidential. Any disclosure to a party other than the recipient is prohibited. The intellectual properties and its rights contained herein, including but not limited to, trademarks, patents, copyrights, trade secrets, and technical know-how, are owned exclusively by CONNLY or its affiliates. Unauthorized use or reproduction of this document, in any form or by any means, without the prior written permission of CONNLY, is strictly prohibited. CONNLY may enforce its intellectual property rights at its own discretion, failures or delays in exercising such rights does not constitute a waiver of such rights.

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	JLZ 01/18/21'		

- NOTES:
1. MATERIAL: SEE "TABLE 1";
 2. FINISH: SEE "TABLE 1";
 3. ELECTRICAL :
 - 3-1.CONTACT CURRENT RATING :
5A(VBUS PIN 1.5A/PIN),
5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
 - 3-2.INSULATION RESISTANCE :
100 MEGAOHMS MIN. AT 250VDC.
 - 3-3.DIELECTRIC WITHSTANDING VOLTAGE :
100VAC MIN.
 - 3-4.LOW LEVEL CONTACT RESISTANCE :
INITIAL 40mΩ MAX.
AFTER 50mΩ MAX.
 - 4.MECHANICAL CHARACTERISTICS :
 - 4-1. MATING FORCE: 5~20N;
 - 4-2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
 - 4-3.DURABILITY : 10,000 MATING CYCLES.
 - 4-4.OPERATING TEMPERATURE :-40°C TO +80°C
 - 5.Product number code:
DS1144-61 - X X X X X X X

- Packing Type
R: Tape On Reel
- Shell Plating
N: Full Nickel
Housing color
B: Black
- Contact Plating
5: Gold Plating 15u"
8: Gold Flash
- Mounting type
S: SMT type
Connector type
F: Female
- No. of contacts
24: 24pin

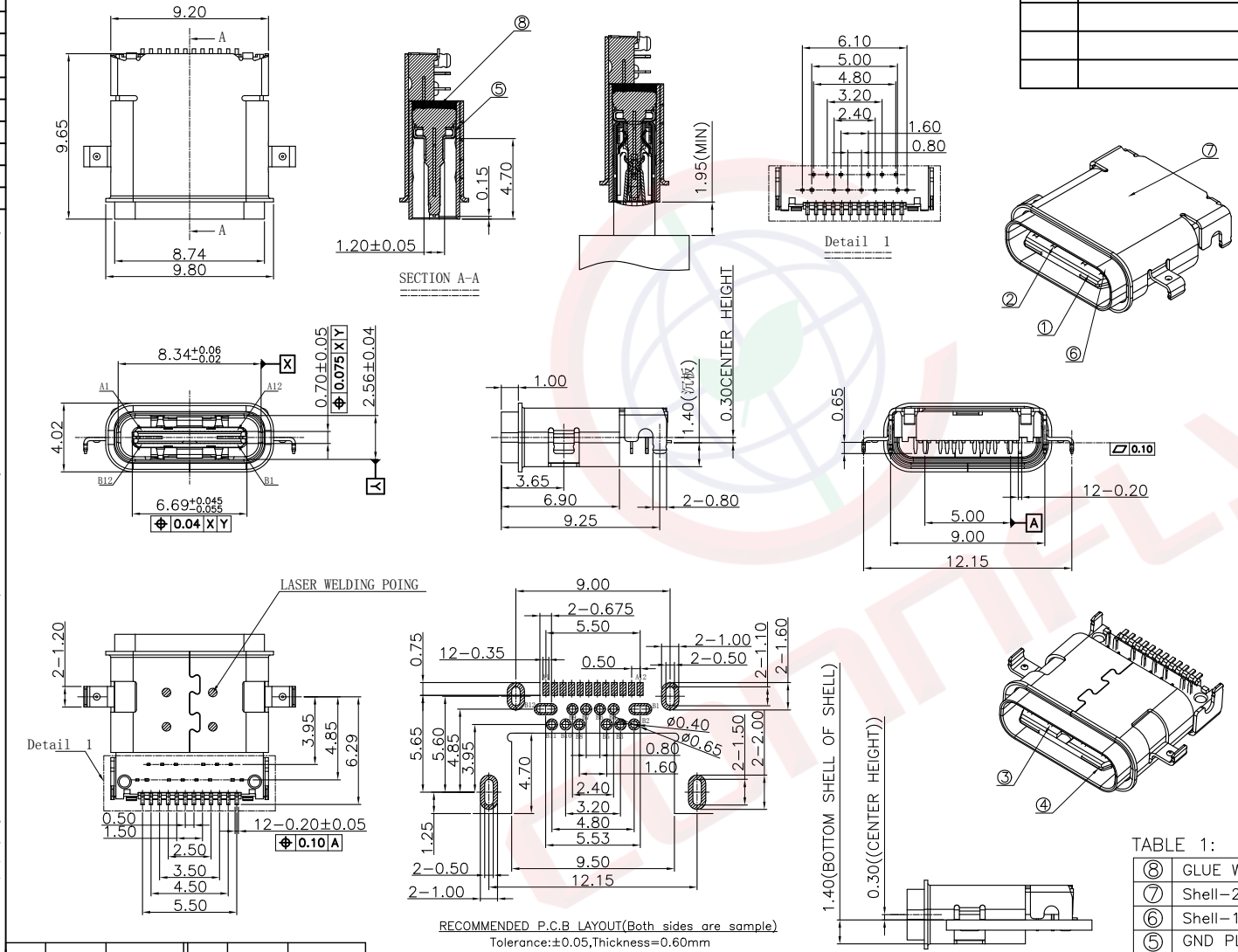


TABLE 1:				
⑧	GLUE WATER	1	EPOXY	BLACK;
⑦	Shell-2	1	Stainless steel	NI PLATING; T=0.20mm
⑥	Shell-1	1	Stainless steel	NI PLATING; T=0.20mm
⑤	GND PLATE	1	Stainless steel	NI PLATING; T=0.10mm
④	MID PLATE	1	Stainless steel	T=0.15mm
③	Terminal-B	12	铜镍硅合金	Au PLATING; T=0.12mm
②	Terminal-A	12		Au PLATING; T=0.12mm
①	Housing	1	HIGH TEMP	Black
PART NAME		QTY	MATERIAL	DESCRIPTION
REMARK				

PROJECTION	UNIT	TITLE	USB C Type 24P Female SMT Type L=9.65mm Centre-H=0.3mm Waterproof Grade IP-X7
UNITS	mm		
SHEET SIZE	A4	SERIES	DS1144-61 SERIES



晨翔电子有限公司
CONNFLY CONNLY ELECTRONIC CO. LTD



RECOMMENDED P.C.B LAYOUT(Both sides are sample)
Tolerance:±0.05,Thickness=0.60mm



(Series Image-Reference Only)

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	Vbus	First	B9	Vbus	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	Vbus	First	B4	Vbus	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°
DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C-DS1144-61-XXXXXX-A		