

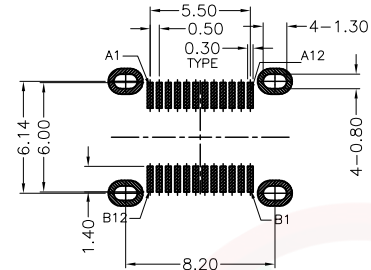
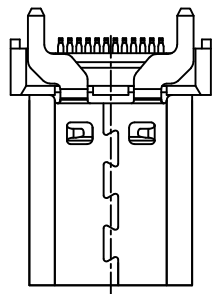
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A  
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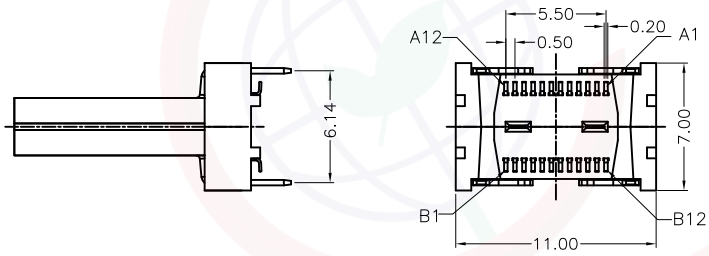
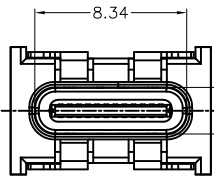
Dept  
Qty  
DC 1  
ED 1  
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PD 1  
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SD 1  
QA 1  
QC 1  
QE 1

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REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	JLZ 01/18/21'		
B	DRAWING UPDATE	JLZ 01/17/26'		

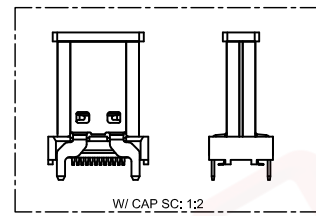
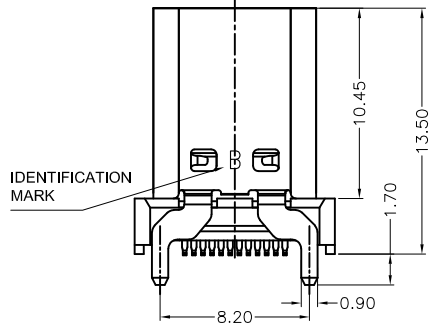


RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)  
TOLERANCE FOR PCB LAYOUT IS ± 0.05



USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTxp1	Positive half of first SuperSpeed TX differential pair	B11	SSRxp1	Positive half of first SuperSpeed RX differential pair
A3	SSTxn1	Negative half of first SuperSpeed TX differential pair	B10	SSRxn1	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use (SBU)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRx2	Negative half of second SuperSpeed RX differential pair	B3	SSTx2	Negative half of second SuperSpeed TX differential pair
A11	SSRx2	Positive half of second SuperSpeed RX differential pair	B2	SSTx2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



- NOTE:
- Contact Resistance: 40mOHM Max.;
  - Dielectric Withstanding Voltage: 100V AC For 1 Minute;
  - Insulation Resistance: 100M OHM Min.;
  - Mating And unmating Force:  
Mating Force: 5-20N  
Unmating Force: 8-20N(0~1000cycle);  
6~20N(1001~10000cycle);
  - Durability: 10000 Cycles;
  - Product number code:  
DS1144-39 - X X X X X X X X

- No. of contacts: 24: 24pin
- Connector type: F: Female
- Mounting type: S: SMT type
- Packing Type: R: Tape On Reel
- Shell Plating: N: Full Nickel
- Housing color: B: Black
- Contact Plating: 0: Selective gold flash  
5: Selective 15u" gold

Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	
2	GND Plate	Stainless Steel		
3	Mid Plate	Stainless Steel	Solder Tails: Matt Tin	
4	Top Contact	Copper Alloy	Mating Area: See P/N	
5	Bottom Contact	Copper Alloy	Solder Tails: Matt Tin	
6	Insulator	High Temperature Plastic	UL 94V-0	Black



(Series Image-Reference Only)

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

PROJECTION		TITLE	USB C Type 24P Female V/T SMT Type H=13.5mm
UNITS	mm	SHEET	A4
SHEET SIZE	A4	SERIES	DS1144-39 SERIES

DRAWING TYPE	CUSTOMER
SCALE	1:1 SHEET 1 OF 1
DRAWING NO.	C-DS1144-39-XXXXXX-B

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