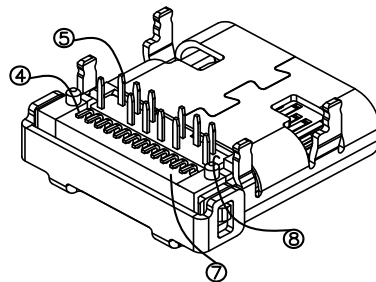


DWG NO. 20211039

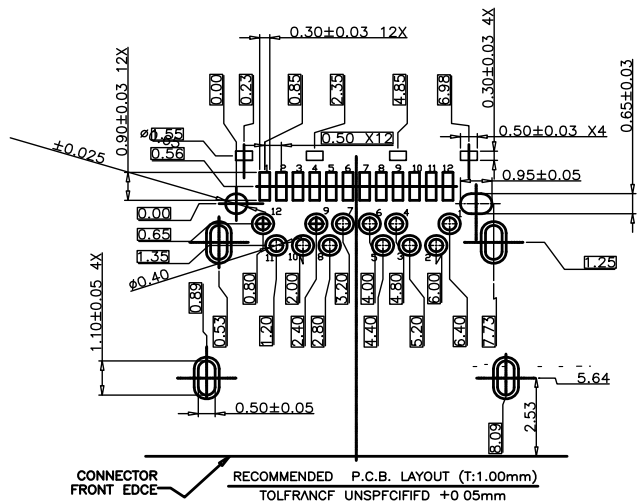
REV	DESCRIPTION	BY	DATE
-	CREATED	NF	21.09.2021

CONFIDENTIAL DOCUMENT! THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CIE-GROUP LTD. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF CIE-GROUP LTD IS PROHIBITED.  
 The cable assy should comply with the European Parliament and the Council Directive : 2011/65/EU for the restriction of hazardous substances (ROHS) . The manufacturer will provide a certification proving the ROHS compliance of the cable assy whenever customer requires such.

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	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



CONNECTOR FRONT EDGE RECOMMENDED P.C.B. LAYOUT (T:1.00mm)  
 TOLFRANCF UNSPFCIFIFD +0.05mm



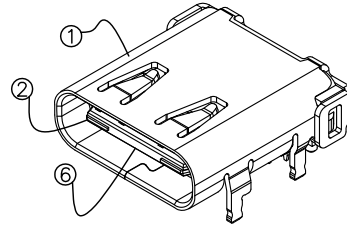
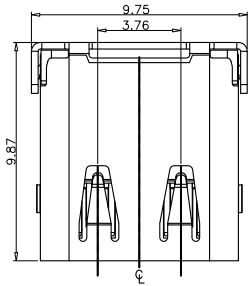
TOLERANCES UNLESS SPECIFIED  
 .XXX ±.025mm  
 .XX ±.100mm  
 .X ±.250mm  
 X ±.50mm  
 ANGLES ±0.5°  
 Wire Length  
 0-100 ±5mm  
 101-300 ±10mm  
 301-500 ±15mm  
 501-<1000 ±20mm  
 1000-<2000 ±50mm  
 2000+ ±100mm

DESC:	PCB MOUNT TYPE C FEMALE CONNECTOR			APPROVED
P/N:	USBTC127			
F/C:	USB C-1020-2493N			YES / NO
SHEET	PROJECTION	UNIT	DATE 21/09/2021	
1 OF 2		MM	SIGNATURE	

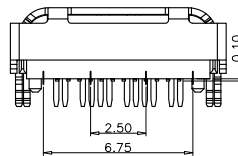
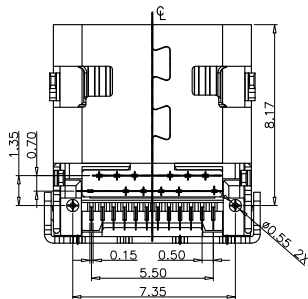
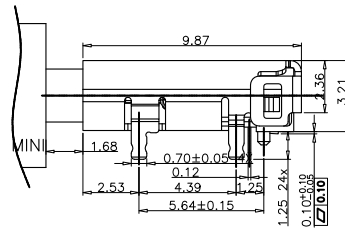
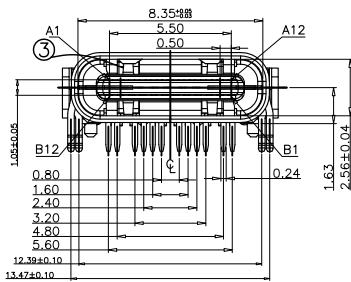
DWG NO. 20211039

REV	DESCRIPTION	BY	DATE
-	CREATED	NF	21.09.2021

CONFIDENTIAL DOCUMENT! THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CIE-GROUP LTD. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF CIE-GROUP LTD IS PROHIBITED.  
The cable assy should comply with the European Parliament and the Council Directive : 2011/65/EU for the restriction of hazardous substances (ROHS) . The manufacturer will provide a certification proving the ROHS compliance of the cable assy whenever customer requires such.



- NOTES:
- MATERIAL:
    - MOLDING: LCP UL94 V-0
    - CONTACT: COPPER ALLOY.
    - GOLD PLATED Min ON CONTACT AREA, 100u"
    - Min TIN (LEAD FREE) ON SOLDER AREA,
    - SHELL: SUS304-H,T=0.30±0.03mm
    - 50u" NICKEL PLATING OVER ALL.
    - SHILD: SUS304-H,T=0.12±0.03mm
  - MECHANICAL:
    - INSERTION: 5~20N.
    - EXTRACTION: 8~20N AFTER TEST.
    - DURABILITY: 10000 CYCLES
  - ELECTRICAL:
    - CURRENT: 5A FOR VBUS;
    - 1.25A FOR GND PIN.
    - 0.25A FOR OTHER.
    - VOLTAGE: 20 V MAX
    - WITHSTANDING VOLTAGE: 100V AC R.M.S.
    - CONTACT RESISTANCE: 40mΩ MAX.
    - INSULATION RESISTANCE: 100MΩ MIN.
  - ENVIRONMENTAL
    - TEMPERATURE RANGE -25°C ~ +85°C



TOLERANCES UNLESS SPECIFIED  
 .XXX ±.025mm  
 .XX ±.100mm  
 .X ±.250mm  
 X ±.50mm  
 ANGLES ±0.5°  
 Wire Length  
 0-100 ±5mm  
 101-300 ±10mm  
 301-500 ±15mm  
 501-<1000 ±20mm  
 1000-<2000 ±50mm  
 2000+ ±100mm

DESC:	PCB MOUNT TYPE C FEMALE CONNECTOR		APPROVED
P/N:	USBTC127		
F/C:	USB C-1020-2493N		YES / NO
SHEET	PROJECTION	UNIT	DATE 21/09/2021 NAME Nathan Farrow
2 OF 2		MM	SIGNATURE

