



RECOMMENDED P.C.B. LAYOUT (T:1.00mm)  
TOLERANCE UNSPECIFIED ±0.05mm

1. Material/Plated
  - 1.1 Housing: LCP+30%G/F, Black UL 94V-0.
  - 1.2 Terminal: Copper Alloy, Gold Flash Plated At Contact Area, Tin Plated At Soldered Area, Nickel Underplated Overall
  - 1.3 Shell: Stainless steel, Nickel plated
  - 1.4 Shield: Stainless steel
2. Electrical Performance
  - 2.1 Voltage Current: 5V
  - 2.2 Rated Current: 5A For VBUS Pin; 1.25A For VCONN Pin
  - 2.3 Contact Resistance: 50mΩ Max.
  - 2.4 Insulation Resistance: 100MΩ Min.
  - 2.5 Dielectric Strength: 100V AC
3. Mechanical Performance
  - 3.1 Insertion Force: 5-20N
  - 3.2 Withdrawal Force: 8-20N
  - 3.3 Durability: 10000 Cycles
4. Operating Temperature: -40°C To +85°C

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
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	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

APPROVALS		DATE	HRO® ELECTRONICS CO., LTD		
DRAWN	LIUCAN	2021.9.9	TITLE:	USB CONNECTOR	
CHECKED			PART NO.	TYPE-C-31-G-08	
APPROVALS			UNIT: mm	SCALE: 1:1	PROJ:
TOLERANCES ARE	30~以上 ±0.30 10~30 ±0.25 5~10 ±0.20 ~ 5 ±0.15	ANGLE	DRAWING NO.		SHEET 1 OF 1

ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.
	A		NEW			

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