



REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.:T170913-3A	Edi.Zhou	2018.12.29
B	ECR NO.:S190318-C	Edi.Zhou	2019.02.26

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:

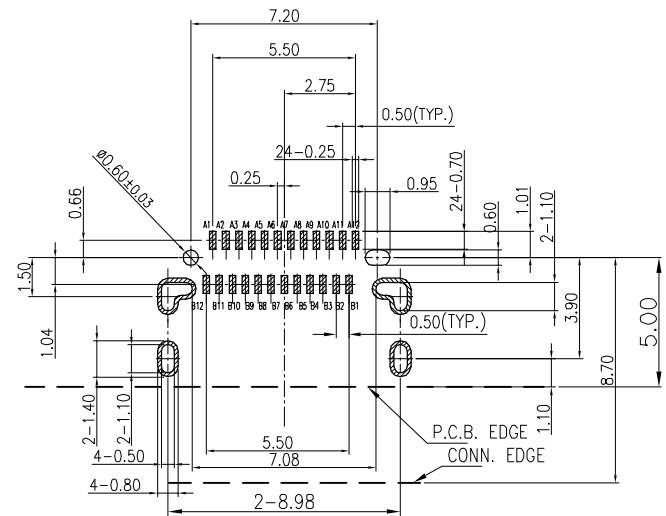
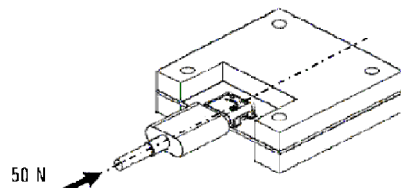
- 1-1. LLCR:
VBUS & GND PINS&OTHER PINS: 40mΩ MAX
AFTER ENVIRONMENT TEST: 50mΩ MAX.
- 1-2. CURRENT RATING: 5 A Max.
- 1-3. VOLTAGE RATING: 20 V.
- 1-4. INSULATION RESISTANCE: 100MΩ MIN.(test according to EIA 364-21)
- 1-5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -40°C~+105°C.

- 2. Insertion/Extraction force(acc.To USB Type C spec.)
- 3. LIFE TEST: 10000 CYCLES MIN.
- 4. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- 5. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK: 
- 6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: 
- 7. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
Soldering temperature 220C/90sec.260C time peak 20sec
- 8. Tape and reel packing
- 9. Water protection IP5K2(acc.to ISO 20653,testing vertically, without plug-water can not leak through the connector)
- 10. Automotive compliant (acc.To LV214)
- 11. Connector is fully compatible with USB Type C connector specification(Release 1.3)
- 12. "0" Key characteristics
- 13. TID number-5,200,000,713

- 14. Connection sockets load can not lead to any mechanical or electrical interference or damage.
The values shown in the table are binding.


- 15. Testing to determine the resistance against flowing mixed gas in accordance with
DIN EN 60068-2-60:1996-09,Test KE,Method 4 (identical to IEC 60068-60)
- 16. Bury are allowed to make changes in documentation after manufacturing(including tolerance change)
- 17. Shape and position tolerances according to DIN EN ISO 1101
- 18. After first samples BURY will test (influence to illumination) and choose colour of the gasket (transparent or orange).

Schalter/Switch	Belastungsart/Type of load	Wert/Value
USB-Buchsenanschluss USB socket	Anschlagfestigkeit(Radialkomponente) End stop strength(radial component)	50N Min.
USB-Buchsenanschluss USB socket	Mechanische Druckbeaufschlagung(1 Min) mechanical pressure application(1min)	50N Min.



RECOMMENDED P.C.B. LAYOUT(TOP VIEW)
TOLERANCE=±0.05(THK:1.1~1.75mm)

NO.	PIN NUMBER	SIGNAL NAME	NO.	PIN NUMBER	SIGNAL NAME
1	A1	GND	13	B12	GND
2	A2	SSTXp1	14	B11	SSRXp1
3	A3	SSTXn1	15	B10	SSRXn1
4	A4	VBUS	16	B9	VBUS
5	A5	CC1	17	B8	RFU2
6	A6	Dp1	18	B7	Dn2
7	A7	Dn1	19	B6	Dp2
8	A8	RFU1	20	B5	CC2
9	A9	VBUS	21	B4	VBUS
10	A10	SSRXn2	22	B3	SSTXn2
11	A11	SSRXp2	23	B2	SSTXp2
12	A12	GND	24	B1	GND

NO.	DESCRIPTION	QTY.	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES		 Singatron Enterprise Co., Ltd. 信音企業股份有限公司		
DECIMALS:	ANGLES:	TITLE	USB TYPE -C ON BOARD SMT REC(C.H.=1.75)	
X :±0.5	X :±2°	DWN	Edi.Zhou	PART NO: 2UB3C13-00X111F
X.X :±0.3	X.X :±1°	CHKD	SCALE:4:1	UNIT: mm
X.XX :±0.1		APVD	SIZE: A3	SHEET:2 OF 2
REV:B				
CUSTOMER COPY				