

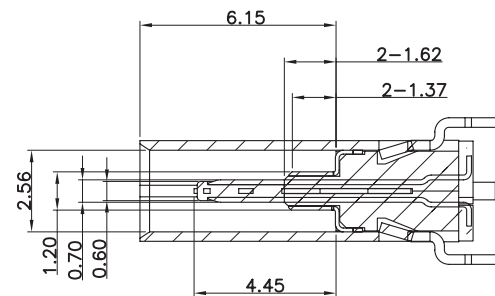
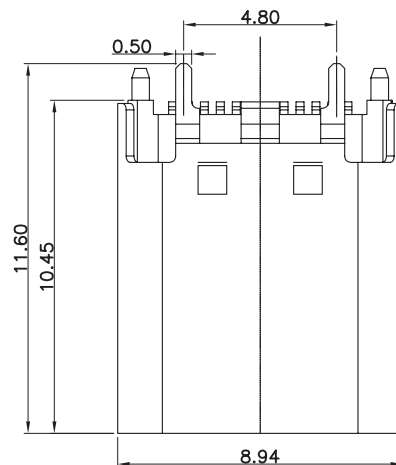
※NOTES※

MECHANICAL

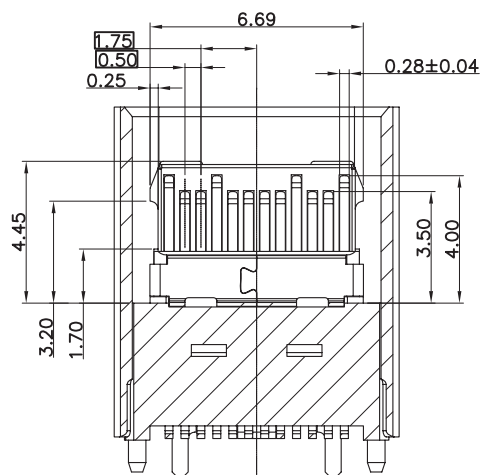
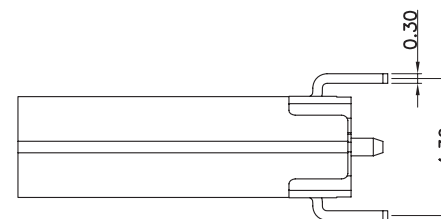
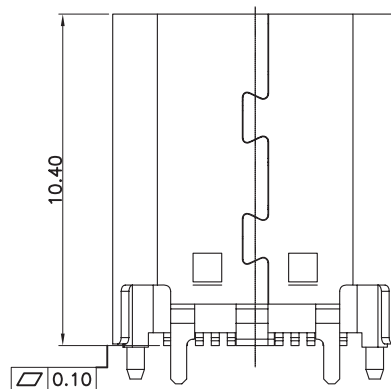
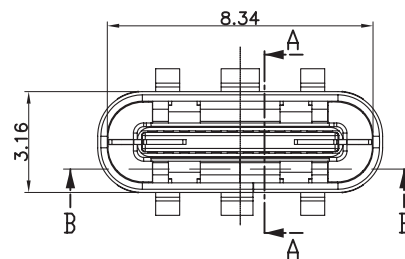
- 1 HOUSING : THERMOPLASTIC-LCP, UL94V-0 HALOGEN FREE
- 2 CONTACT : COPPER ALLOY
- 3 SHELL : SUS304-H, T=0.30mm
- 4 SHIELD : SUS304-H, T=0.12mm

SPECIFICATION

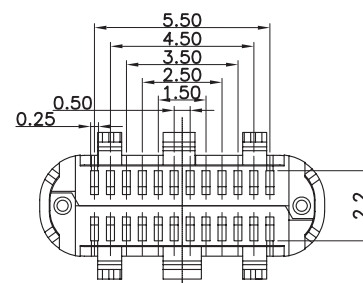
- 1 CURRENT RATING : 5A. MIN. FOR VBUS PINS, 0.25A FOR THE RESTS.
- 2 VOLTAGE RATING : 50V AC MAX.
- 3 WITHSTANDING VOLTAGE : 100V AC.
- 4 CONTACT RESISTANCE : 40mΩ MAX.
- 5 INSULATION RESISTANCE : 100MΩ MIN.
- 6 INSERTION FORCE : 5~20 NEWTONS.
- 7 EXTRACTION FORCE : 8~20 NEWTONS.
- 8 DURABILITY : 10,000 CYCLES MIN.
- 9 TEMPERATURE RANGE : -55°C ~ +85°C
- 10 WAVE SOLDERING TEMPERATURE : 260±5°C FOR 10 SECONDS.



SECTION A-A
SCALE 1:1



SECTION B-B
SCALE 1:1



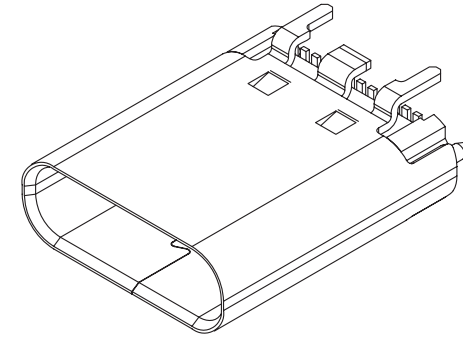
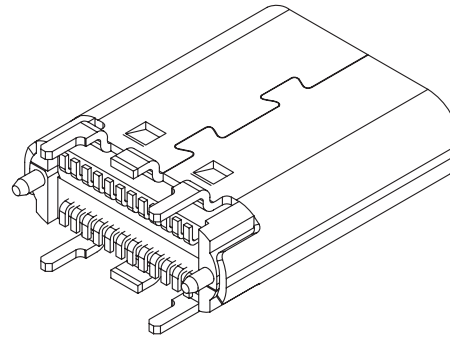
QUALITY CONTROL LINE IMPROVEMENTS WILL PROMOTE THE SPIRIT OF 3σ	METRIC		Wiros Electronics	
	DRAWER Y. TOMITA		NOTICE OF PROPRIETARY PROPERTY: THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO WIROS ELECTRONICS INTERNATIONAL COMPANY LIMITED. AND SHOULD NOT BE USED WITHOUT WIROS'S WRITTEN CONSENT.	
	APPROVER P. TURNEAU		TITLE USB 3.1 TYPE C VERTICLE, RECEPTACLE SURFACE MOUNT TYPE	
	DIMENSIONS ARE IN MILLIMETERS TOLERANCES		PRODUCT NUMBER RUC03-1×R024G7	
RoHS <input checked="" type="checkbox"/> COMPLIANT HfP <input type="checkbox"/> COMPLIANT	DO NOT SCALE DRAWINGS 		SCALE 1 : 1	SHEET 1 OF 2
SIZE A4	THIRD ANGLE PROJECTION		REV.	

※ORDER INFORMATION※

RUC03 - 1 ※ ※ R024G7

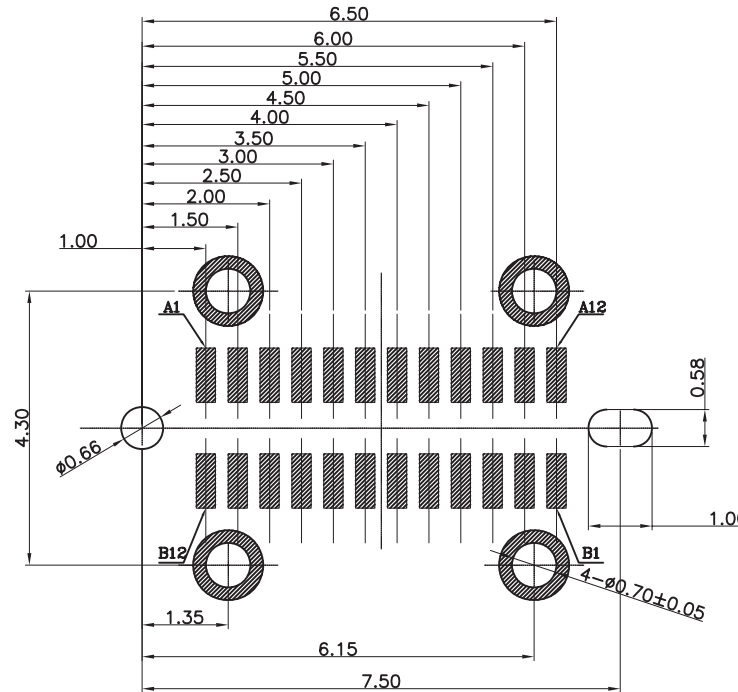
PLATING
 0~Au 0.2~1μ ON CONTACT AREA
 1~Au 3μ ON CONTACT AREA
 3~Au 10μ ON CONTACT AREA
 4~Au 15μ ON CONTACT AREA
 5~Au 30μ ON CONTACT AREA

HOUSING COLOR
 1~BLACK
 2~WHITE(BEIGE)
 0~YELLOW
 A~BLUE



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	SSTXp1	Positive half of first SuperSpeed TX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSTXn1	Negative half of first SuperSpeed TX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	CC1	Configuration Channel
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dp1	Positive half of the USB 2.0 differential pair-Position 1
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dn1	Negative half of the USB 2.0 differential pair-Position 1
A8	RFU1	Reserved for Future Use (RFU)	B5	RFU1	Reserved for Future Use (RFU)
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSRXn2	Negative half of second SuperSpeed RX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSRXp2	Positive half of second SuperSpeed RX differential pair
A12	GND	Ground return	B1	GND	Ground return



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

METRIC		Wiros Electronics	
DRAWER	Y. TOMITA	NOTICE OF PROPRIETARY PROPERTY: THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO WIROS ELECTRONICS INTERNATIONAL COMPANY LIMITED. AND SHOULD NOT BE USED WITHOUT WIROS'S WRITTEN CONSENT.	
APPROVER	P. TURNEAU	TITLE	
DIMENSIONS ARE IN MILLIMETERS TOLERANCES		USB 3.1 TYPE C VERTICLE, RECEPTACLE SURFACE MOUNT TYPE	
DO NOT SCALE DRAWINGS		PRODUCT NUMBER	
THIRD ANGLE PROJECTION		RUC03-1※R024G7	
SIZE	REV.	SCALE	SHEET 2 OF 2
A4		1 : 1	