



NOTE:

1. CABLE ASSEMBLY MUST BE RoHS COMPLIANT.
2. CABLE MUST BE OPEN, SHORT, MISWIRE 100% TEST.
3. USB CABLE ELECTRIC TEST:
 - A. VOLTAGE: 150V DC.
 - B. CONTACT RESISTANCE: 5 Ohm Max.
 - C. INSULATION RESISTANCE: 2M Ohm Min.

P1		WIRING DIAGRAM				P2	
USB C PLUG		WIRE				USB C PLUG	
PIN	SIGNAL NAME	WIRE NUMBER	SIGNAL NAME	WIRE COLOR	PIN	SIGNAL NAME	
A1, B1, A12, B12	GND	1	GND_PWRr11 [GND_PWRr12]	SDP1+SDP2 SDP3, SDP4 DRAIN, CLEAR	A1, B1, A12, B12	GND	
A4, B4, A9, B9	VBUS	2	PWR_VBUS1 [PWR_VBUS2]	RED	A4, B4, A9, B9	VBUS	
A5	CC	3	CC	BLUE	A5	CC	
B5	VCONN	18	PWR_VCONN	YELLOW	B5	VCONN	
A6	Dp1	4	UTP_Dp	WHITE	A6	Dp1	
A7	Dn1	5	UTP_Dn	GREEN	A7	Dn1	
A2	SSTXp1	6	SDPp1	ORANGE	B11	SSRXp1	
A3	SSTXn1	7	SDPn1	PURPLE ①	B10	SSRXn1	
B11	SSRXp1	8	SDPp2	YELLOW ①	A2	SSTXp1	
B10	SSRXn1	9	SDPn2	BLUE ①	A3	SSTXn1	
B2	SSTXp2	10	SDPp3	WHITE	A11	SSRXp2	
B3	SSTXn2	11	SDPn3	RED	A10	SSRXn2	
A11	SSRXp2	12	SDPp4	BLACK ①	B2	SSTXp2	
A10	SSRXn2	13	SDPn4	GREEN	B3	SSTXn2	
A8	SBU1	14	SBU_A	RED	B8	SBU2	
B8	SBU2	15	SBU_B	BLACK	A8	SBU1	
SHELL	SHIELD	BRIAD	SHIELD	BRIAD	SHELL	SHELL	

WSW PN	Length/Tolerance
A-USB31C-31C-100A	1000±50
A-USB31C-31C-180A	1800±50

⑦	Over Mold	TPE COLOR BLACK ①
⑥	InnerMold	PE
⑤	FOIL	COPPER FOIL
④	TIN	TIN STICK, TIN WIRE
③	PCBA	PCB (WITH E-MARKED IC, CAPACITOR)
②	CONN	USB C/M. Black Insulator, Contact Plating: Gold 30u" ③ Shell Plated Nickel, (W/TIN PLATE)
①	CABLE	USB3.1 UL21104 #30TP/32/21/26 ADB OD:5.2mm, Black TPE Jacket
NO.	TITLE	DESCRIPTION

RoHS compliant
Unit: mm

Scale	FREE					Date	Name	Customer-No.
TOLERANCE		④	Add item 3 into connector	17.03.2020	Luca	Drawn	Joanna	ASSMANN WSW-No. A-USB31C-31C-XXXX
X.	±1	③	Update the plating information	01.11.2019	Carson	Approved	Luca	
.X	±0.5	②	Update the cable UL style	14.03.2019	Xavier			
.XX	±0.25	①	Update overmolding and cable spec.	14.03.2019	Xavier			Drawing-No.
DIM	TOL	①						ASS 7652 CA
		①						rev04
Angle	TOL	①	Modification	Date	Name			Replace
		①						Sheet
								1/1

