



| 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_PWRr1t | SDP1+SDP2 SDP3,SDP4 DRAIN,CLEAR | A1,B1, A12,B12 | GND | |
| A4,B4, A9,B9 | VBUS | 2 | PWR_VBUS1 | RED | A4,B4, A9,B9 | VBUS | |
| A5 | CC | 3 | CC | BLUE | A5 | CC | |
| B5 | VCONN | N/A | | | 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 | BROWN | B10 | SSRXn1 | |
| B11 | SSRXp1 | 8 | SDPp2 | BLUE | A2 | SSTXp1 | |
| B10 | SSRXn1 | 9 | SDPn2 | BLACK | A3 | SSTXn1 | |
| B2 | SSTXp2 | 10 | SDPp3 | WHITE | A11 | SSRXp2 | |
| B3 | SSTXn2 | 11 | SDPn3 | RED | A10 | SSRXn2 | |
| A11 | SSRXp2 | 12 | SDPp4 | YELLOW | 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 | |

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

| NO. | TITLE | DESCRIPTION |
|-----|------------|--|
| ⑦ | Over Mold | PVC 45P COLOR BLACK ① |
| ⑥ | InnerMold | PE |
| ⑤ | FOIL | COPPER FOIL |
| ④ | TIN | TIN STICK,TIN WIRE |
| ③ | PCBA | PCB (W/CAPACITOR) |
| ② | CONN P1,P2 | USB C PLUG, BLACK INSULATOR,CONTACT PLATING: Pd-Ni 30u"+Gold 2u" SHELL PLATED NICKEL,(W/TIN PLATE) |
| ① | CABLE | USB3.1 UL20276 30/32/24 ADB OD:5.0mm,BLACK PVC JACKET ① |

RoHS compliant
Unit: mm

| Scale | FREE | Date | 08.06.2016 | Name | Joanna | Customer-No. | |
|------------------|-------|----------|------------------------------------|------------|-------------------------|--------------|--|
| TOLERANCE | | Drawn | 08.06.2016 | Joanna | ASSMANN WSW-No. | | |
| X. | ±1 | Approved | 17.03.2020 | Luca | A-USB31C-31C-XXX | | |
| .X | ±0.5 | | | | Drawing-No. | | |
| .XX | ±0.25 | | | | ASS 7656 CA | | |
| DIM | TOL | ② | Add item 3 into connector | 17.03.2020 | Luca | rev02 | |
| | | ① | Update overmolding and cable spec. | 01.11.2019 | Carson | Replace | |
| | | ⑥ | Drawn | 08.06.2016 | Joanna | Sheet | |
| Angle | TOL | Id. | Modification | Date | Name | | |

