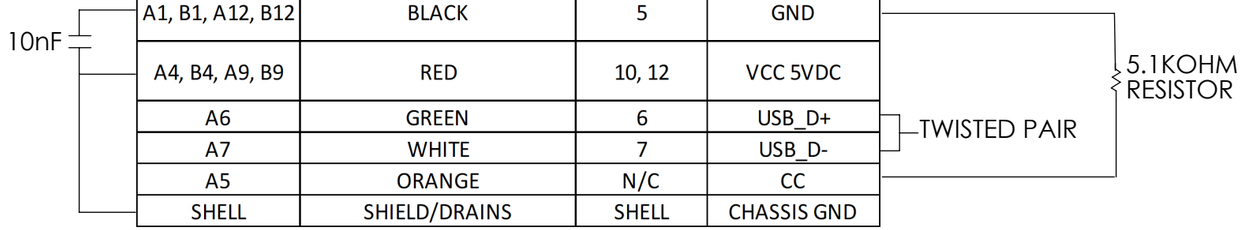
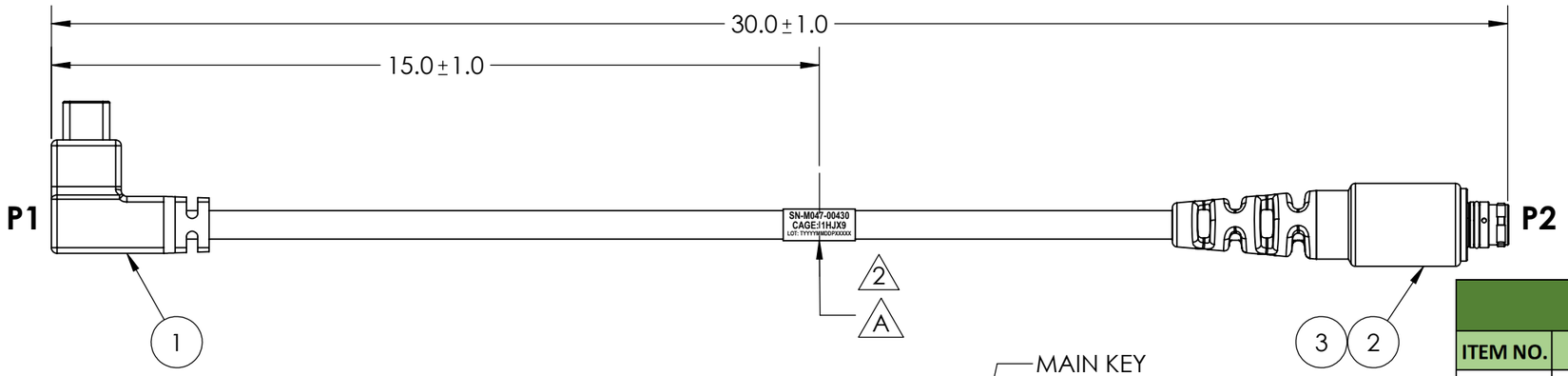
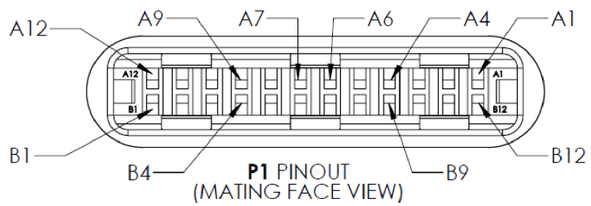
| TABLE 1: WIRE RUN | | | |
|---|---|---|---|
| P1 | WIRE COLOR | P2 | SIGNAL |
| A1, B1, A12, B12 | BLACK | 5 | GND |
| A4, B4, A9, B9 | RED | 10, 12 | VCC 5VDC |
| A6 | GREEN | 6 | USB_D+ |
| A7 | WHITE | 7 | USB_D- |
| A5 | ORANGE | N/C | CC |
| SHELL | SHIELD/DRAINS | SHELL | CHASSIS GND |

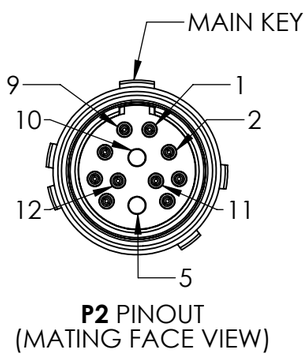



**10nF CAPACITOR IS PRE-WIRED INTO CONNECTOR P1 (SEE SHEET 2)**

| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | ENG |
| B | ADDED NOTES & CALLOUT TO SHOW 10nF CAP ON P1 | 07/20/2022 | MOB |
| C | ADDED SN-2013 DWG TO SHEET 2, ITEM 1 IN BOM CHANGED TO SN-2013, CHANGED P1-A5 WIRE COLOR TO ORANGE | 08/18/2022 | MOB |
| D | UPDATED NOTES & BOM | 04/22/2024 | CWA |




| TABLE 2:LABEL IDENTIFICATION | | |
|---|---|---|
| ITEM NO. | LABEL TEXT | NOTES |
| 2 A | SN-M047-00430-001 REV. X<br>CAGE: 1HJX9<br>LOT: TYYYYMMDDPXXXXX | REV MARKING PER PO<br>(SEE NOTE 2) |

| BILL OF MATERIALS | | | |
|---|---|---|---|
| ITEM NO. | PART NO. | QTY | NAME/DESCRIPTION |
| 1 | SN-2013 | 0.5 | SUB-ASSEMBLY: USB-C RT ANGLE TO USB-C RT ANGLE, 5C, 24/28AWG, SHIELDED, FR PU JACKET, DIA. .189" |
| 2 | A10WAM-P12XMM0-0000 | 1 | ODU CIRCULAR CONN. PLUG, 12 POS., PIN CONTACTS. |
| 3 | BE-04 | 1 | BANDING CLAMP |
| 4 | 71-CCF075K10JKE36 | 1 | 5.1 KOHM RESISTOR, 5%, 1/2W |

NOTES:

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
2. MARKING REQUIREMENTS:
   - A. LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 AS APPLICABLE.
   - B. LABEL(S) SHALL BE WHITE WITH BLACK TEXT.
   - C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
   - D. ADHESIVE WRAP AROUND LABEL(S) MAY BE USED.
   - E. LABEL SHALL BE MARKED WITH THE INFORMATION PER TABLE 2: LABEL IDENTIFICATION.
3. PACKAGING REQUIREMENTS:
   - A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP POLYBAG.
   - B. CONNECTOR(S) SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING. BUBBLE WRAP OR PROTECTIVE COVER MUST BE USED.
   - C. POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.
4. WORKMANSHIP REQUIREMENTS:
   - A. MANUFACTURE TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
   - B. SOLDERING SHALL BE COMPLIANT WITH IAW J-STD-001 AS APPLICABLE.
   - C. CONNECTOR(S) AND WIRE SHALL BE FREE FROM ANY SCRATCHES, CHIPS, AND DEFECTS.
5. INSPECTION REQUIREMENTS:
   - A. EACH COMPLETED ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @100MOHM MIN.)
   - B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

| UNLESS OTHERWISE SPECIFIED: | | NAME | DATE |
|---|---|---|---|
| DIMENSIONS ARE IN: INCHES<br>TOLERANCES: .XX: ± 0.03<br>.XXX: ± 0.005<br>ANGULAR: .X°: 1°<br>.XX°: 0.5°<br>BREAK EDGES: .005 - .020<br>FILLETS: .005 - .020<br>SUFACE FINISH:<br><br>GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009 | DRAWN | MOB | 04/27/22 |
| | CHECKED | RB | 04/27/22 |
| | COMMENTS: | | |
| MATERIAL: SEE DRAWING NOTES | | | |
| FINISH: SEE DRAWING NOTES | | | |
| DO NOT SCALE DRAWING | | | |


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**CAGE CODE: 1HJX9**

REF. NUMBER: SN0926

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:

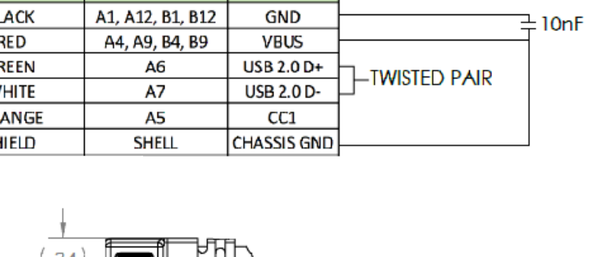
# PRC-163 EUD USB CABLE, ODU TO USB-C

| SIZE | DWG. NO. | REV |
|---|---|---|
| B | SN-M047-00430-001 | D |

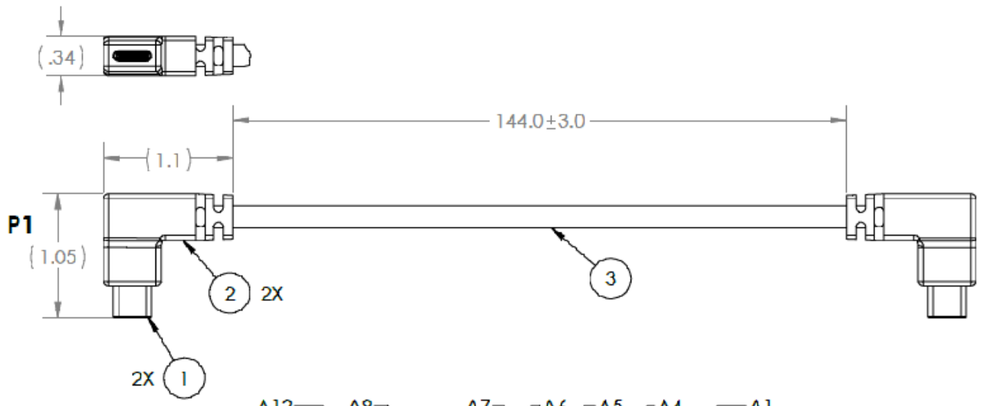
SCALE: NA | WEIGHT: | SHEET 1 OF 2

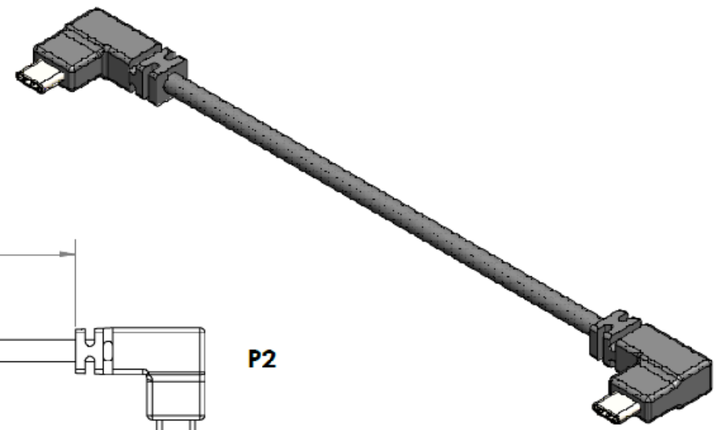
# ITEM NO. 1 SUB-ASSEMBLY DWG

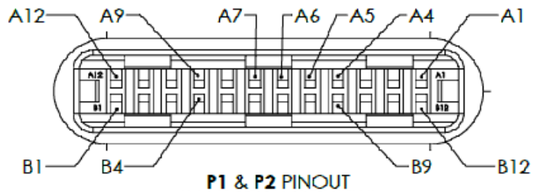
| TABLE 1: WIRE RUN | | | |
|---|---|---|---|
| P1 | WIRE COLOR | P2 | SIGNAL |
| A1, A12, B1, B12 | BLACK | A1, A12, B1, B12 | GND |
| A4, A9, B4, B9 | RED | A4, A9, B4, B9 | VBUS |
| A6 | GREEN | A6 | USB 2.0 D+ |
| A7 | WHITE | A7 | USB 2.0 D- |
| A5 | ORANGE | A5 | CC1 |
| SHELL | SHIELD | SHELL | CHASSIS GND |




| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | ENG |
| A | INITIAL REV. | 06/17/22 | MOB |




**P1** & **P2** PINOUT
(MATING FACE VIEW)

| BILL OF MATERIALS | | | |
|---|---|---|---|
| ITEM NO. | PART NO. | QTY | NAME/DESCRIPTION |
| 1 | 594 | 2 | USB 3.1 TYPE C MALE WITH BREAKOUT PCB, ALL PINS AVAILABLE |
| 2 | SN-OM-2013 | 2 | USB TYPE C OVER-MOLD |
| 3 | 31000550 | AR | CABLE: 5C, 24/28AWG, SHIELDED, FR PU JACKET, DIA. .175" |

NOTES:
1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
2. SOLDERING: IAW IPC-J-STD-001 CLASS 2 AS APPLICABLE
3. ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @ 100MOHM MIN.)
4. IDENTIFICATION: BAG AND IDENTIFY ON THE PACKAGING THE FOLLOWING INFORMATION FOR EACH PART DELIVERED.
   **PN: SN-2013 REV. X (REV MARKING PER PO)**
   **CAGE CODE: 1HJX9**
   **MFD: MM/YY**
5. MANUFACTURE AND INSPECT IAW IPC/WHMA A-620 CLASS 2.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: INCHES
TOLERANCES: .XX: ± 0.03
.XXX: ± 0.005
ANGULAR: .X°: 1°
.XX°: 0.5°
BREAK EDGES: .005 - .020
FILLETS: .005 - .020
SURFACE FINISH:
GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009
MATERIAL: SEE DRAWING NOTES
FINISH: SEE DRAWING NOTES
DO NOT SCALE DRAWING

| | NAME | DATE |
|---|---|---|
| DRAWN | MOB | 06/17/22 |
| CHECKED | RB | 06/17/22 |
| COMMENTS: | | |

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CAGE CODE: 1HJX9

REF. NUMBER: SN0938

SupplyNet
706 EXECUTIVE BLVD
SUITE B
VALLEY COTTAGE, NY 10989

TITLE: **CABLE ASSEMBLY, USB-C MALE TO MALE, RT ANGLE, DATA (USB 2.0) & POWER**

| SIZE | DWG. NO. | REV |
|---|---|---|
| B | SN-2013 | A |

SCALE: NA | WEIGHT: | SHEET 1 OF 2

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REF. NUMBER: SN0926

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: **PRC-163 EUD USB CABLE, ODU TO USB-C**

| SIZE | DWG. NO. | REV |
|---|---|---|
| B | SN-M047-00430-001 | D |

DO NOT SCALE DRAWING | CAGE CODE: 1HJX9 | SCALE: NA | WEIGHT: | SHEET 2 OF 2