

TABLE 1: WIRE RUN

BATTERY CONN.	COLORS
+	RED
+	WHITE
-	GREEN
-	DRAIN

BRIDGED

DETAIL A  
SCALE 2 : 1

+ POSITIVE (WHITE)

+ POSITIVE (RED)

SLOT FOR PRC-152 LOCKING LATCH

2

SR:0024

GREEN/DRAIN

1.510

2.640

.915

REV. E

REV. F

DESCRIPTION

DATE

ENG

REV.

DESCRIPTION

DATE

ENG

ITEM NO.

PART NO.

QTY

NAME/DESCRIPTION

1

FE-411-02A2

1

CONNECTOR HOUSING

2

SN-MBITR-DEEP-8MM

1

DEEP COVER FOR MBITR FOR SN-12VPCB4

3

STEEL-TAB

2

STEEL GND TABS

4

67566521 / OR EQUIV.

1

18-8 SS, PHILLIPS FLAT HEAD SCREW, 4-40 x 3/8"

5

91099A160 / OR EQUIV.

1

18-8 SS, PHILLIPS FLAT HEAD SCREW, 4-40 x 1/2"

6

90730A005 / OR EQUIV.

1

4-40 HEX NUT

7

90033A155 / OR EQUIV.

1

PHILLIPS FLAT HEAD SCREW, ZINC PLATED, #6 x 3/4"

8

571-063-R70BT

1

RED BUNA O-RING

9

SN-831-INSERT

1

PLASTIC INSERT

10

SR:0024

1

8MM STRAIN RELIEF OVERMOLD

11

223C-V03A

38.0"

CABLE, 3C/AWG22, PVC JKT, .197 OD

12

FE-502-11C

1

STRAIN RELIEF FOR CONN-MBITR 5MM

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

TC

09/18/2014

CHECKED

RB

09/18/2014

COMMENTS:

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS

DRAWING IS THE SOLE PROPERTY OF

SUPPLYNET, INC. ANY REPRODUCTION

IN PART OR AS A WHOLE WITHOUT THE

WRITTEN PERMISSION OF SUPPLYNET INC.

IS PROHIBITED.

CAGE CODE: 1HJX9

REF. NUMBER: SN0321

SupplyNet

DESIGN

ENGINEERING

MANUFACTURING

TITLE:

AN/PRC-148/152 BATTERY

ADAPTER CABLE

SIZE

DWG. NO.

REV

B

CONN-PRC152

F

SCALE: NA

WEIGHT:

SHEET 1 OF 1

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 BELOW INFORMATION ONLY. REV MARKING PER PO.

(YYYY=YEAR OF MFG, MM=MONTH OF MFG, DD=DAY OF MFG, XXXX=PO NUMBER)

PN: CONN-PRC152 REV.X

CAGE: 1HJX9

LOT: TYYYYMMDDPXXXXX

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.