

P1	WIRE COLOR	P3
5	WHITE	TXP2
3	BLUE	TXN2
4	WHITE	RXP2
10	ORANGE	RXN2
12		
SH	SHIELD	SHLD

PIN 10

PIN 1

PIN 2

PIN 11

PIN 12

PIN 5

P1 PINOUT (MATING FACE)

P2	WIRE COLOR	P3
8	BLACK	8
4	BROWN	4
13	RED	13
17	DARK ORANGE**	17
16	YELLOW	16
18	WHITE	18
19	GREEN	19
2	LIGHT GREEN*	2
9	VIOLET	9
10	GRAY	10
11	DARK BLUE**	11
6	TAN	6
7	LIGHT BLUE*	7
SH	SHIELD	SHLD

KEY

PIN 1

PIN 3

PIN 4

PIN 7

PIN 8

PIN 12

PIN 13

PIN 16

PIN 17

PIN 19

P2 PINOUT (MATING FACE)

P3	WIRE COLOR	P4 (RT1)
26	BLACK	26
23	BROWN	23
9	RED	9
6	DARK ORANGE**	6
19	YELLOW	19
20	WHITE	20
21	GREEN	21
22	VIOLET	22
1	BLUE	1
SHLD	SHIELD	SH

KEY

PIN 16

PIN 1

PIN 2

PIN 17

PIN 27

PIN 30

P4 & P5 PINOUT (MATING FACE)

P3	WIRE COLOR	P5 (RT2)
26	BLACK	26
23	BROWN	23
9	RED	9
6	DARK ORANGE**	6
27	CLEAR	27
28	ORANGE	28
29	CLEAR	29
30	DARK GREEN**	30
1	YELLOW	1
SHLD	SHIELD	SH

REV. A

DESCRIPTION INITIAL RELEASE

DATE 08/05/2025

ENG CWA

1.0 ± 0.25

LBL-097

48.0 ± 1.0

24.0 ± 0.5

1.0 ± 0.25 2X

1.0 ± 0.25

LBL-098

1.0 ± 0.25

LBL-096

1.0 ± 0.25

LBL-099

LBL-100

P1

P2

P3

P4 (RT1)

P5 (RT2)

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.

2. J-HOOK AND TUBE ALL UNUSED WIRES.

3. MARKING REQUIREMENTS:

A. LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 APPLICABLE.

B. LABEL(S) SHALL BE BLACK WITH SILVER TEXT.

C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.

D. HEAT SHRINK LABEL(S) TO BE USED.

E. LABEL(S) SHALL BE MARKED WITH THE INFORMATION SHOWN IN TABLE 5: LABEL IDENTIFICATION.

4. 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.

5. 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.

6. 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.

ITEM NO.	PART NO.	LABEL TEXT	LABEL INFO
9	LBL-096	20239903-10 NRG TO AN/PRC-163 CABLE ASSEMBLY	3" LONG SILVER TXT ON BLACK
10	LBL-097	ETHERNET RADIO EXT ETH ADPRT	3" LONG SILVER TXT ON BLACK
11	LBL-098	(ADF) AN/PRC-163	3" LONG SILVER TXT ON BLACK
12	LBL-099	NRG RADIO PORT (RT2)	3" LONG SILVER TXT ON BLACK
13	LBL-100	NRG RADIO PORT (RT1)	3" LONG SILVER TXT ON BLACK

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

CWA08/04/2025

CHECKED

RB 08/04/2025

COMMENTS:

PROPRIETARY AND CONFIDENTIAL

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CAGE CODE: 1HJX9

REF. NUMBER: SN1415

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: 4-WAY SPLITTER, AN/PRC-163 ADF, J1/J2 TO NRG (X2)

SIZE B

DWG. NO. SN-2052

REV A

SCALE: NA

WEIGHT:

SHEET 1 OF 1