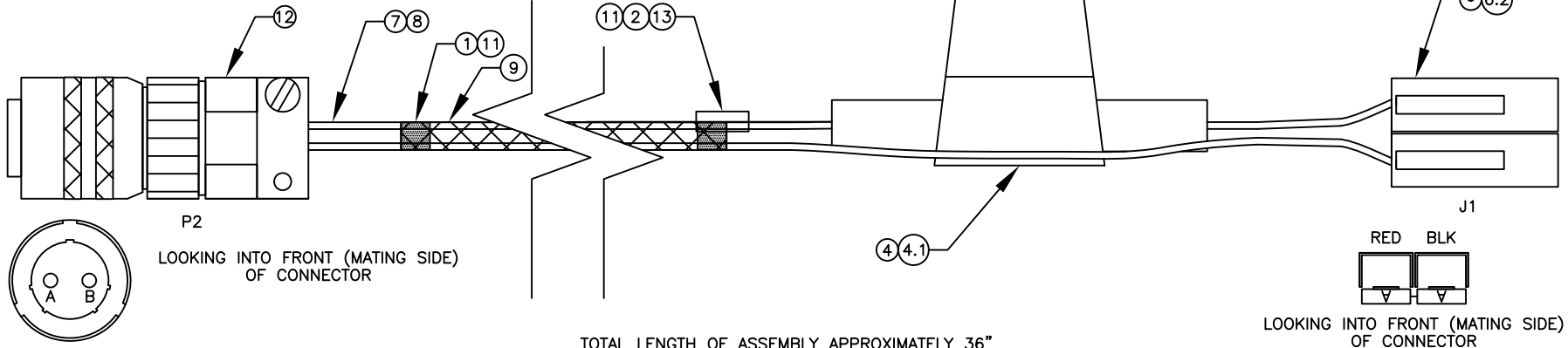


NOTES
ALL DIMENSIONS INCHES. BUILD TO IPC/WHMA-A-620 CLASS 2 ASSEMBLY STANDARD.
INSERT FUSE HOLDER INTO RED (POSITIVE) CONDUCTOR GOING TO J1 ONLY.
THE FUSE HOLDER COMES WITH 14AWG 4 INCH PIGTAILS ON BOTH SIDES, LAP SPLICE (SOLDER) TO THE WIRE ON THE
SIDE GOING TO THE CIRCULAR CONNECTOR, CONNECT THE OTHER PIGTAIL DIRECTLY J1.
INSTALL 7.5 AMP FUSE INTO FUSEHOLDER.
P2 ONLY USE THREADLOCKER 242 ON ALL THREADED CONECTIONS
SECURE BACKSHELL TO P2 BY MATING P2 TO CONNECTOR PTB10-2PS. APPLY 35 INCH POUNDS TORQUE MINIMUM
REMOVE AND DISPOSE OF ONE WAVE SPRING FROM P2 BEFORE ASSEMBLY

LAP SPLICE 16AWG 1 INCH FROM FUSE
TERMINATE BRADE 1 INCH FROM FUSE AND P2 SECURE
WITH TIEWRAP COVERED BY DUAL WALL HEATSHRINK

WIRING DIAGRAM

P2	WIRE COLOR CODE	J1
A	BLACK	BLK
B	RED	RED



TOTAL LENGTH OF ASSEMBLY APPROXIMATELY 36"

LOOKING INTO FRONT (MATING SIDE)
OF CONNECTOR

1	HEATSHRINK, DUAL WALL, POLYOLEFIN, 8MM, BLACK	????	???	1
2	HEATSHRINK, DUAL WALL, POLYOLEFIN, 8MM, RED	????	???	1
4	FUSE HOLDER MINI FUSE FK1 SERIES	LITTELFUSE	OFHM0001XP	1
4.1	FUSE BLADE 7.5A 32V MINI FAST-ACT	LITTELFUSE	Digikey F990-ND	1
6	2 WIRE STANDARD HOUSING ULTRASONICALLY BONDED PP15-45	ANDERSON POWER PRODUCTS	ASMPP30-1X2-RK	1
6.2	CONTACT, 16-12 AWG, CRIMP, SILVER PLATED	ANDERSON POWER PRODUCTS	1331	1
7	WIRE, 16AWG, UL1015/1335 HOOKUP WIRE, BLACK	GENERAL CABLE / CAROL BRAND	C76512.18.01	1
8	WIRE, 16AWG, UL1015/1335 HOOKUP WIRE, RED	GENERAL CABLE / CAROL BRAND	C76512.18.03	1
9	BRAIDED SLEEVING 0.250", BLACK POLYIMIDE MONOFILAMENT	TECHFLEX	NMNO.25BK	1
11	TIE WRAP, 4"	????	???	2
12	2 Position Circular Connector Socket, Female Pins Solder Cup Gold	AMPHENOL	PT06E-10-2S(SR)	1
13	HEATSHRINK, SINGLE WALL, POLYOLEFIN, 5MM, RED	????	???	1
FIND_ID	NAME	MANUFACTURER	PART_NUMBER	Count

BILL OF MATERIALS

NIFC-NIICD
CABLE ASSEMBLY
REPEATER SHORE POWER ADAPTER

CREATED: 20201018

SIZE A	CAGE CODE XXXXX	IA CODE XXXXX-B180	NIRSC DWG NO. 40028	REV 3
SCALE: NONE			SHEET 01 OF 01	