

8

7

6

5

4

3

2

DWG. NO. 10A-0068-24REV 0

REVISION HISTORY

ZONE	REV	DESCRIPTION	APPR	DATE
ALL	0	RELEASE FOR PROTOTYPE		

NOTES FOR TRACKER HARNESS

1- * (ASTERISK) LABEL EACH WIRE/HARNESS BRANCH WITH DESCRIPTION TEXT SHOWN 1 INCH FROM CONNECTOR

2 LABEL HARNESS WITH DRAWING NUMBER AND DRAWING TITLE DESCRIPTION

3-POT BEHIND ALL CONNECTORS

4-ALL WIRES ARE TEFLON MATERIAL UNLESS OTHERWISE SPECIFIED

5 DO NOT INSTALL PINS ON CONNECTOR HOUSING. PLACE CONNECTOR IN BAG WITH LED..

6 CONNECTOR PIN COUNT SHOWN FROM THE REAR END OF CONNECTOR

NOTE: IGNORE PIN NUMBERING ON CONNECTOR
FOLLOW PIN NUMBER SEQUENCE SHOWN ON DWG.

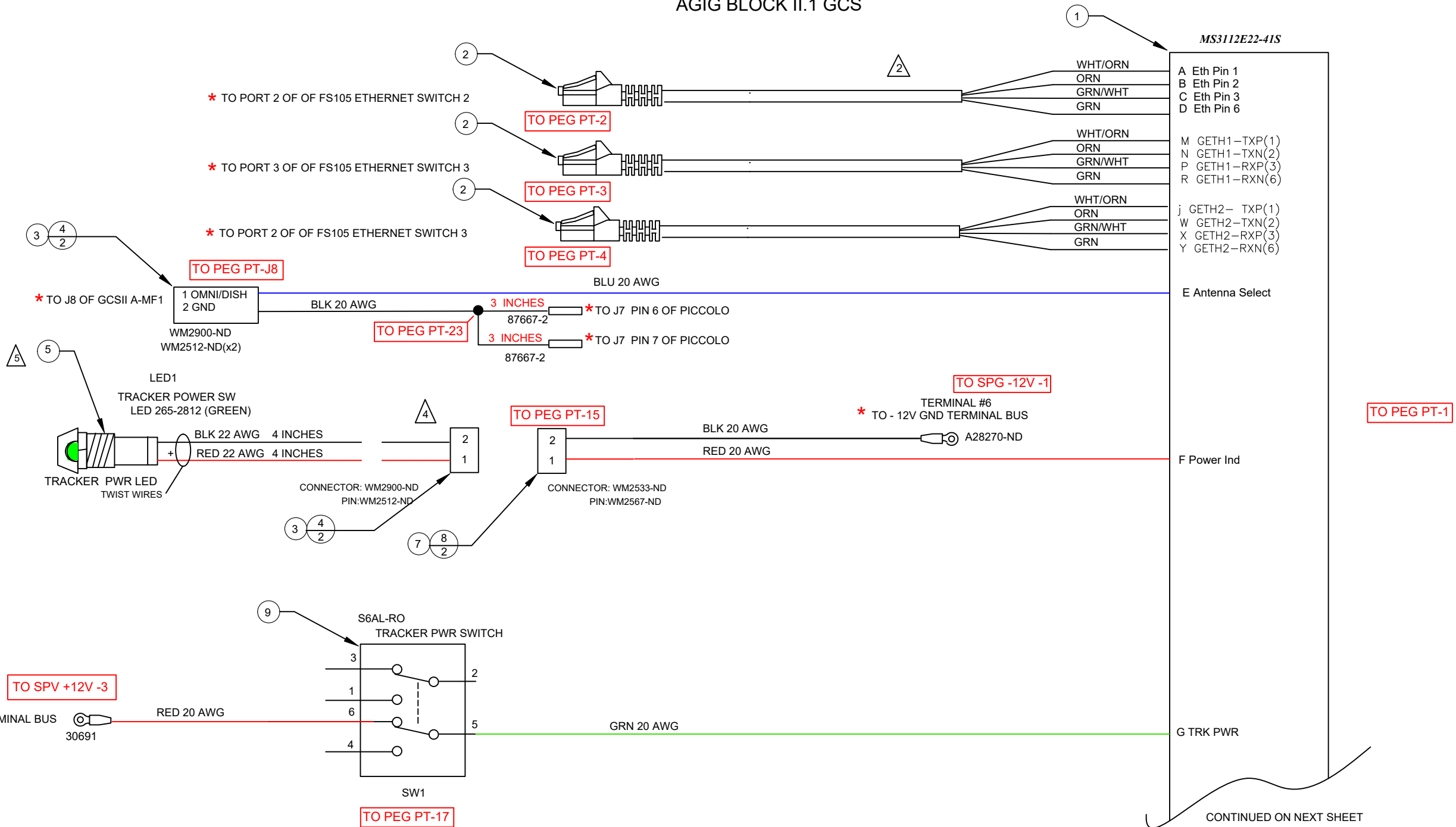
18	2-36161-6-ND	1		2-36161-6-ND	DIGI-KEY	CONN RING TONG 10AWG #6 PIDG	EA
17	30691	2		30691	MOUSER	TERMINAL RING, SIZE 6 AWG (UNINSULATED)	EA
16	2-36157-2	1		2-36157-2	DIGI-KEY	CONN RING 14-16 AWG #6 BLUE PIDG	EA
15		2		2109FEA-ND	DIGI-KEY	CONN DB9 FEMALE SOLDER CUP NKL	EA
14		3		WM2624-ND	DIGI-KEY	CONN TERM FEMALE 22-30AWG GOLD	EA
13		1		WM2614-ND	DIGI-KEY	CONN HSG 4POS .100 W/RAMP/RIB	EA
12		1		A3044-ND	DIGI-KEY	CONN HOUSING 40POS .100 DUAL	EA
11		2		WM6388-ND	DIGI-KEY	FE MALE TERMINAL 14-20AWG	EA
10		1		WM1602-ND	DIGI-KEY	CONN RECEPTACLE 2POS .093	EA
9		1		S6AL-RO	DIGI-KEY	SWITCH, SPST	EA
8		2		WM2567-ND	DIGI-KEY	TERMINAL, CRIMP 26-22AWG	EA
7		1		WM2533-ND	DIGIKEY	CONNECTOR, WITH 2 PIN MOLEX MALE	EA
6		13		87667-2	DIGIKEY	CONN SOCKET 22-26AWG GOLD CRIMP	EA
5		1		265-2812	ALLIED ELECTRONICS	LED, PANEL MOUNT, GREEN	EA
4		8		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
3		4		WM2900-ND	DIGIKEY	CONN HOUSING 2POS .100 W/LATCH	EA
2		3		CAT5E-03-BLUE	OPTIMIZE CABLE	CABLE, CAT 5E ETHERNET	EA
1		1		MS3112E22-41S	PEI GENESIS	CONNECTOR, MIL-SPEC	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS FOR TRACKER HARNESS							

PROPRIETARY AND CONFIDENTIAL

UAV SOLUTIONS. NOTIFICATION OF PROPRIETARY INFORMATION OR BUSINESS CONFIDENTIAL INFORMATION: THIS PROPOSAL INCLUDES DATA THAT WILL NOT BE DISCLOSED OUTSIDE THE GOVERNMENT AND WILL NOT BE DUPLICATED, USED, OR DISCLOSED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN TO EVALUATE THIS PROPOSAL. IF, HOWEVER, A CONTRACT IS AWARDED TO THIS OFFER OR AS A RESULT OF, OR IN CONNECTION WITH, THE SUBMISSION OF DATA, THE GOVERNMENT WILL HAVE THE RIGHT TO DUPLICATE, USE, OR DISCLOSE THESE DATA TO THE EXTENT PROVIDED IN THE CONTRACT. THIS RESTRICTION DOES NOT LIMIT THE GOVERNMENT'S RIGHT TO USE THE INFORMATION CONTAINED IN THESE DATA IF THEY ARE OBTAINED FROM ANOTHER SOURCE WITHOUT RESTRICTION. ALL DATA CONTAINED WITHIN THIS PROPOSAL ARE SUBJECT TO THIS RESTRICTION.

		<div><div><div></div><div></div></div><div>THIRD ANGLE PROJECTION IN ACCORDANCE WITH ASME Y14.5</div><div>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR +/- .5 BEND +/- .3 TWO PLACE DECIMAL +/- .01 THREE PLACE DECIMAL +/- .005</div></div>	ORIG. ENG. SKTCH NO.:	<div><div>UAV SOLUTIONS</div><div>8280 PATUXENT RANGE RD. SUITE E JESSUP, MD 20794 PHONE: 240-456-0195 EMAIL: INFO@UAV-SOLUTIONS.COM</div><div>TITLE: MAIN HARNESS AGIG BLOCK II.1 GCS</div></div>			
			INITIALS				DATE
			DRAFTER: RGB				06-05-13
			CHECKER:				
NEXT ASSY	USED ON		ENG. APPR:		WORKMANSHIP PER QOP ISO STD 001-XXX	SIZE B	DWG. NO. 10A-0068-24
APPLICATION					CAGE CODE: 61F14	SCALE: NTS	SHEET 1 OF 16

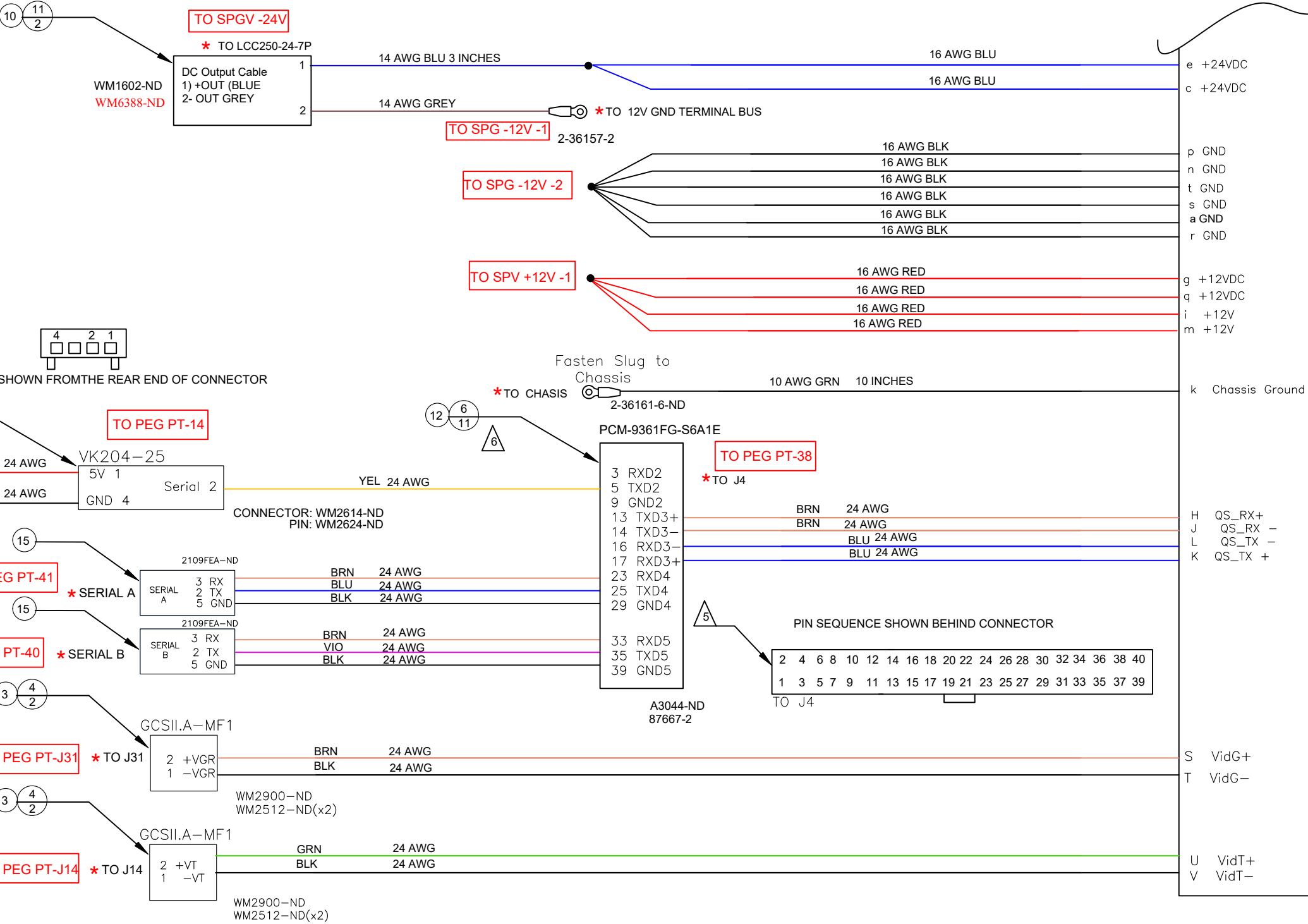
TRACKER HARNESS
AGIG BLOCK II.1 GCS



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TRACKER HARNESS
AGIG BLOCK II.1 GCS

CONTINUED



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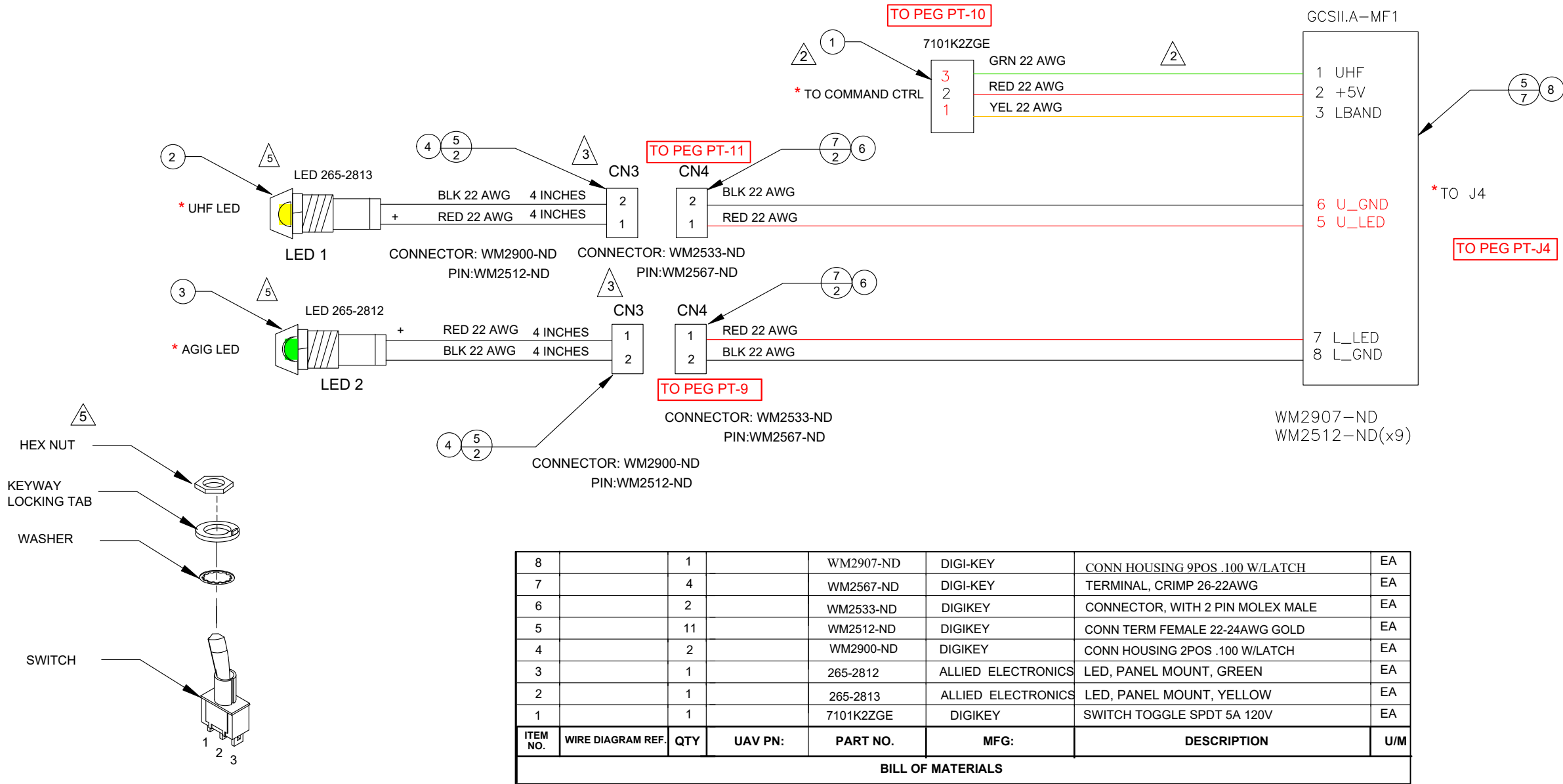
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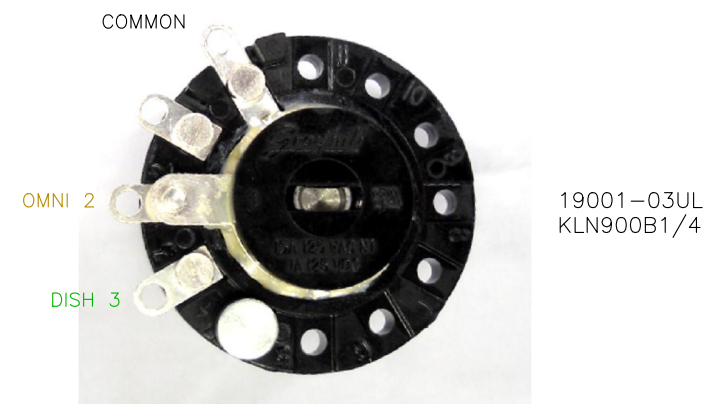
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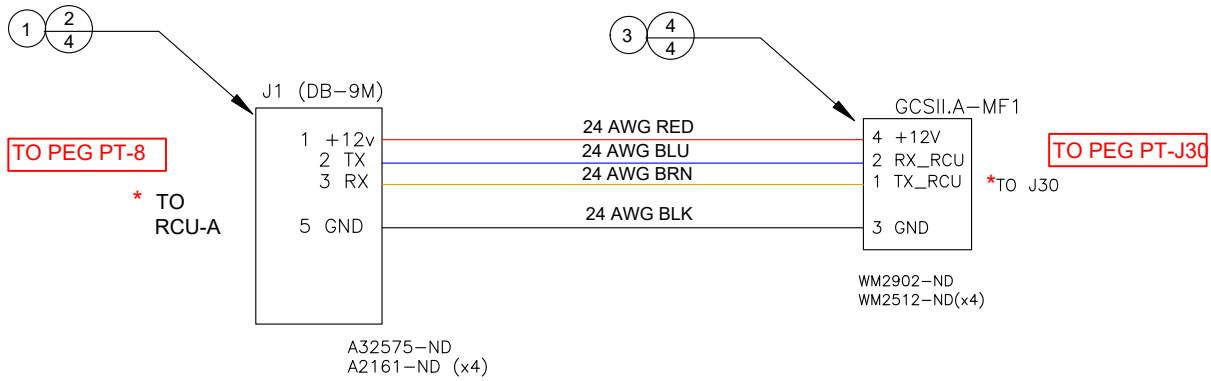
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ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">CAGE CODE:</td> <td style="width: 20%; padding: 2px;">SCALE: NTS</td> <td style="width: 20%; padding: 2px;">SHEET 5 OF 16</td> </tr> <tr> <td style="text-align: center; font-size: 18px;">61F14</td> <td></td> <td></td> </tr> </table>	CAGE CODE:	SCALE: NTS	SHEET 5 OF 16	61F14			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">2</td> <td style="width: 20%; text-align: center;">3</td> <td style="width: 20%; text-align: center;">4</td> <td style="width: 20%; text-align: center;">5</td> <td style="width: 20%; text-align: center;">6</td> <td style="width: 20%; text-align: center;">7</td> <td style="width: 20%; text-align: center;">8</td> </tr> </table>	2	3	4	5	6	7	8
CAGE CODE:	SCALE: NTS	SHEET 5 OF 16												
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NOTES:
1- * (ASTERISK) LABEL EACH WIRE/HARNESS BRANCH WITH DESCRIPTION TEXT SHOWN 1 INCH FROM CONNECTOR
2-ALL WIRES ARE TEFLON MATERIAL UNLESS OTHERWISE SPECIFIED
3-POT BEHIND ALL CONNECTORS



4		4		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
3		1		WM2902-ND	DIGIKEY	CONN HOUSING 4POS .100 W/LATCH	EA
2		4		A2161-ND	DIGIKEY	CONN D-SUB SOCKET 20-24AWG AU	EA
1		1		A32575-ND	DIGIKEY	CONN D-SUB HOUSING RECEPT 9POS	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

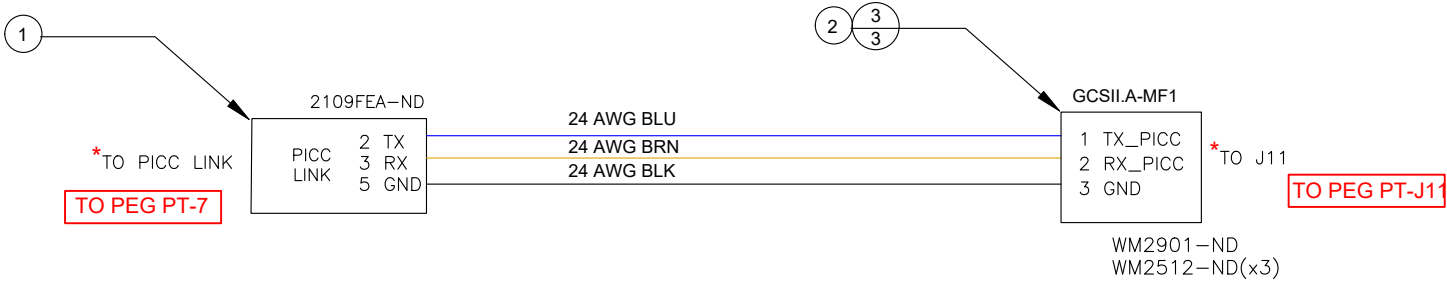
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NOTES:

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3-POT BEHIND ALL CONNECTORS



3		3		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
2		1		WM2901-ND	DIGIKEY	CONN HOUSING 3POS .100 W/LATCH	EA
1		1		2109FEA-ND	DIGIKEY	CONN DB9 FEMALE SOLDER CUP NKL	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
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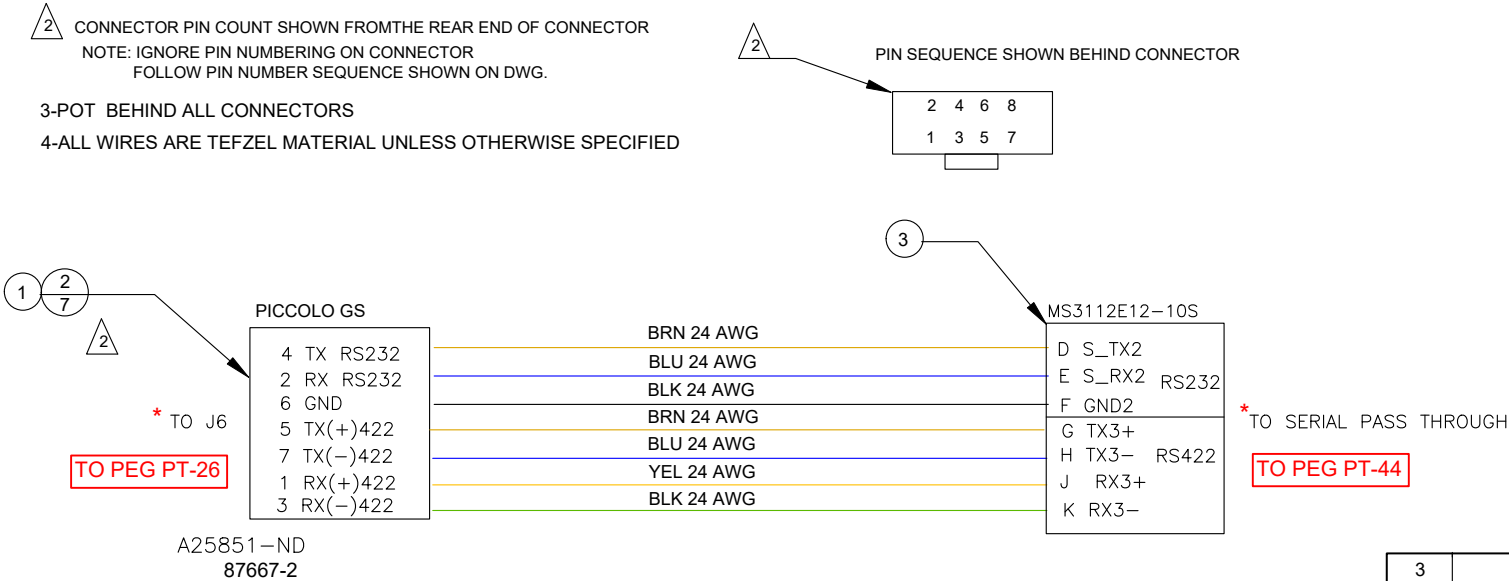
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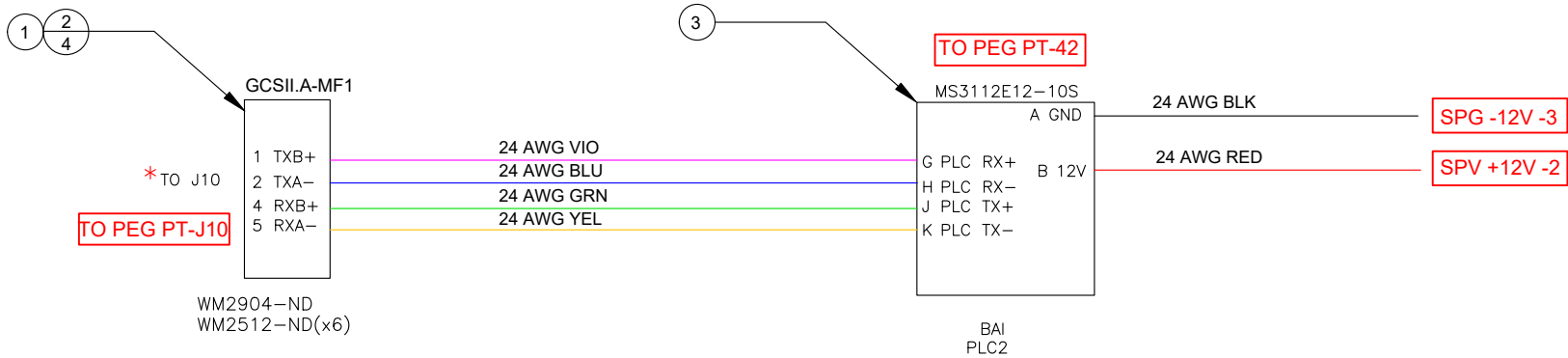


3		1		MS3112E12-10S	PEI GENESIS	CONNECTOR, MIL-SPEC	EA
2		7		87667-2	DIGIKEY	CONN SOCKET 22-26AWG GOLD CRIMP	EA
1		1		A25851-ND	DIGIKEY	CONN HOUSING 8POS .100 POL DUAL	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

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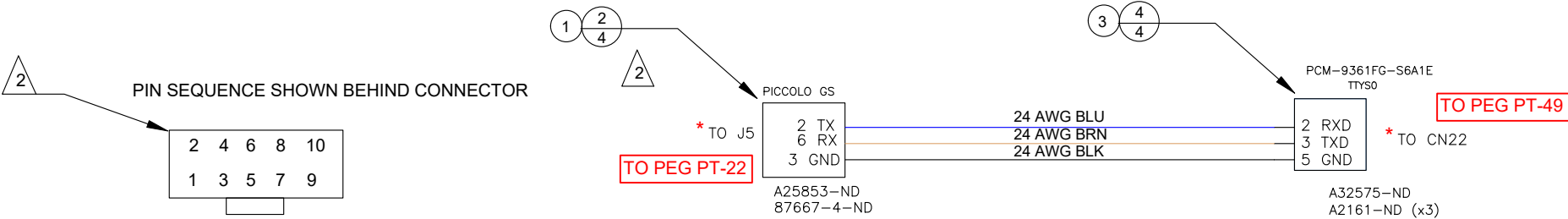
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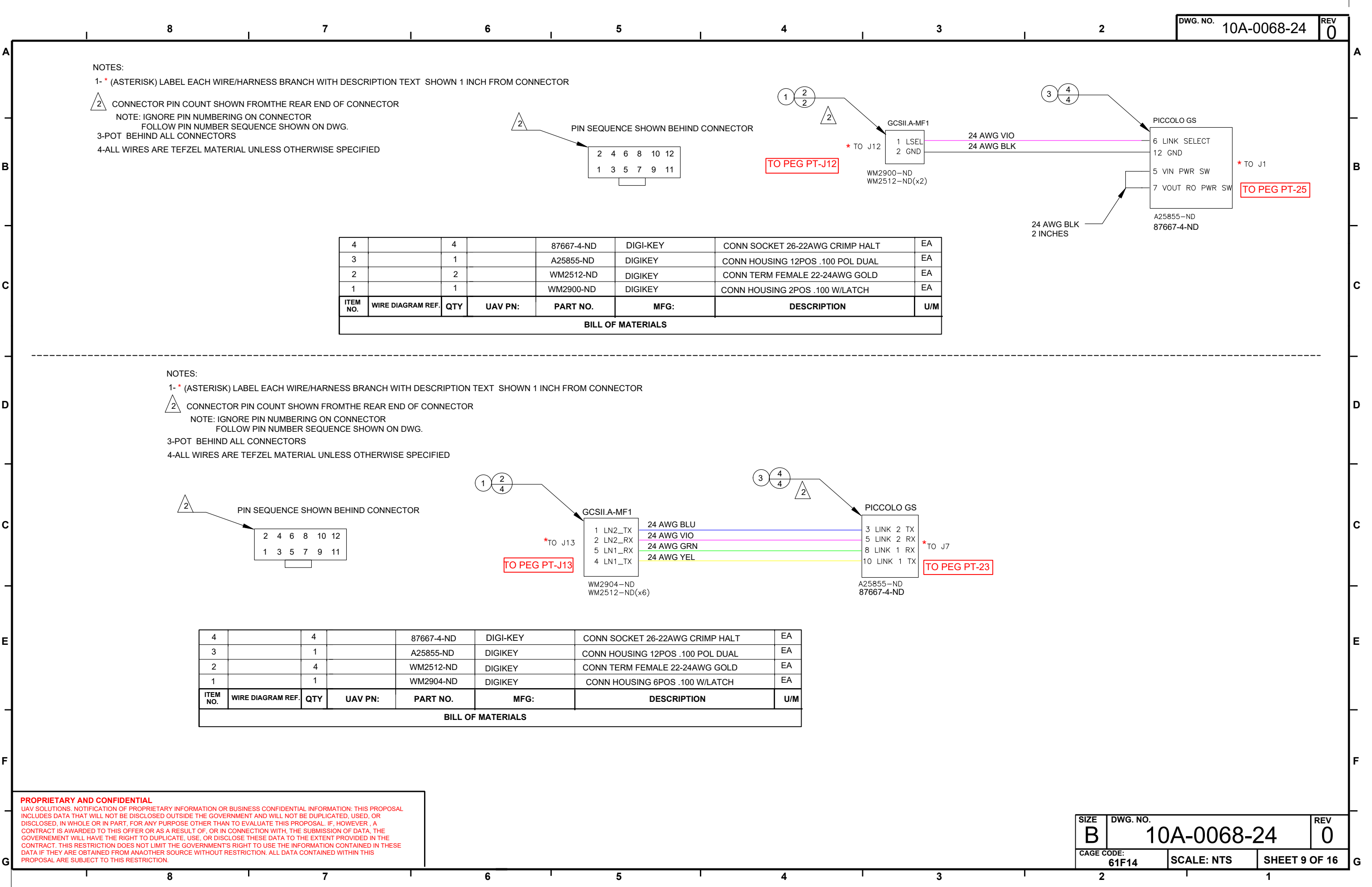
3		1		MS3112E12-10S	PEI GENESIS	CONNECTOR, MIL-SPEC	EA
2		4		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
1		1		WM2904-ND	DIGIKEY	CONN HOUSING 6POS .100 W/LATCH	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

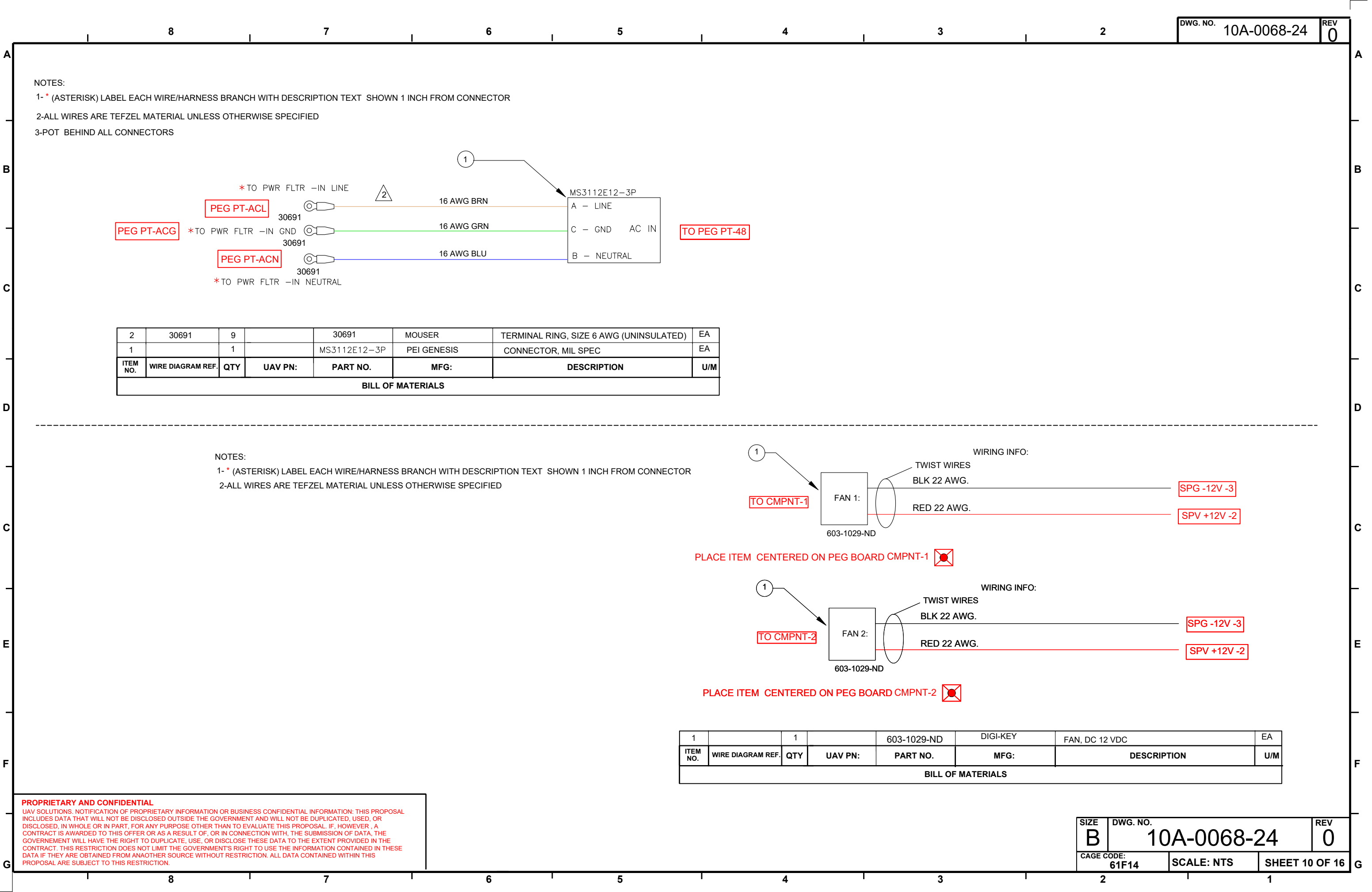
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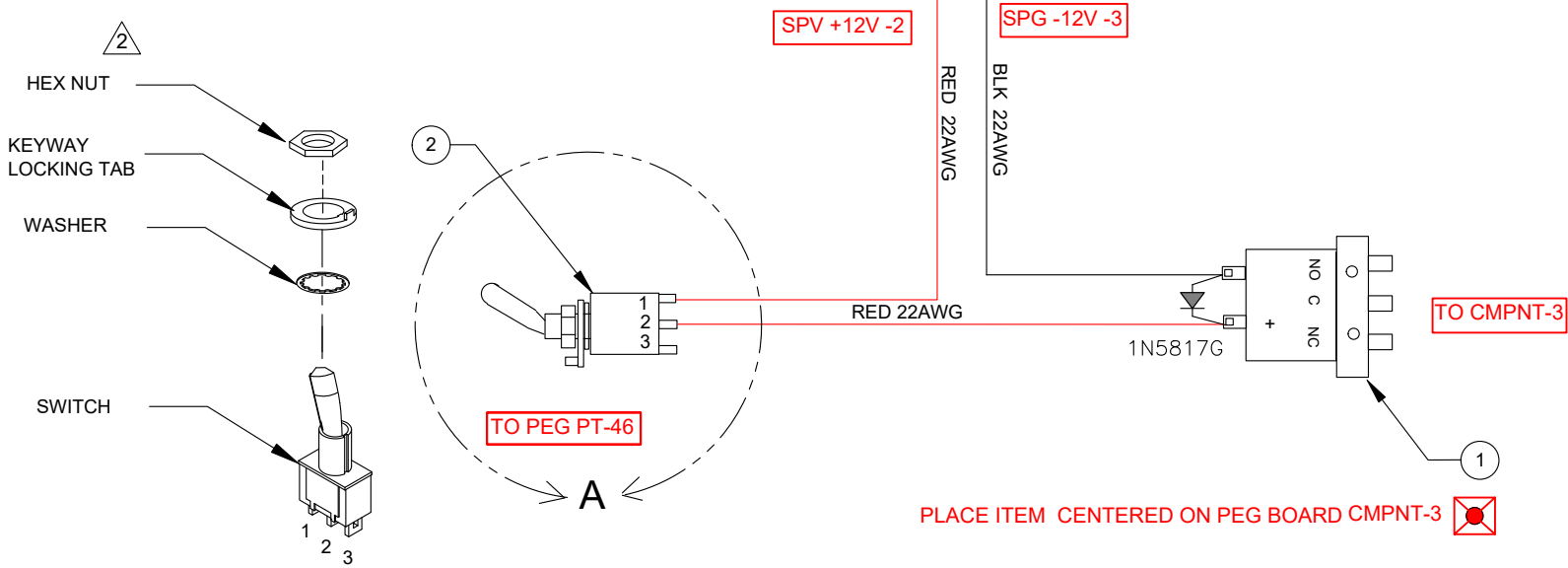
4		3		A2161-ND	DIGI-KEY	CONN D-SUB SOCKET 20-24AWG AU	EA
3		1		A32575-ND	DIGIKEY	CONN D-SUB HOUSING RECEPT 9POS	EA
2		3		87667-4-ND	DIGIKEY	CONN SOCKET 26-22AWG CRIMP HALT	EA
1		1		A25853-ND	DIGIKEY	CONN HOUSING 10POS .100 POL DUAL	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
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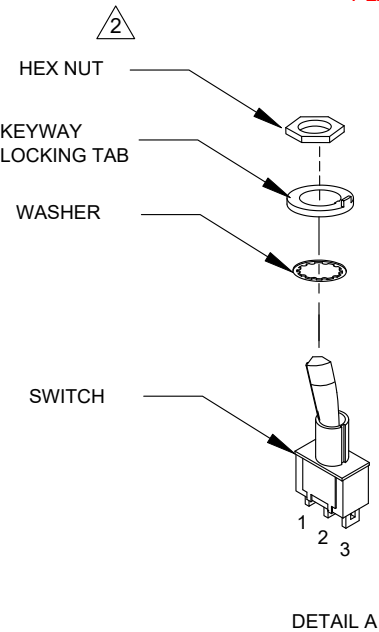
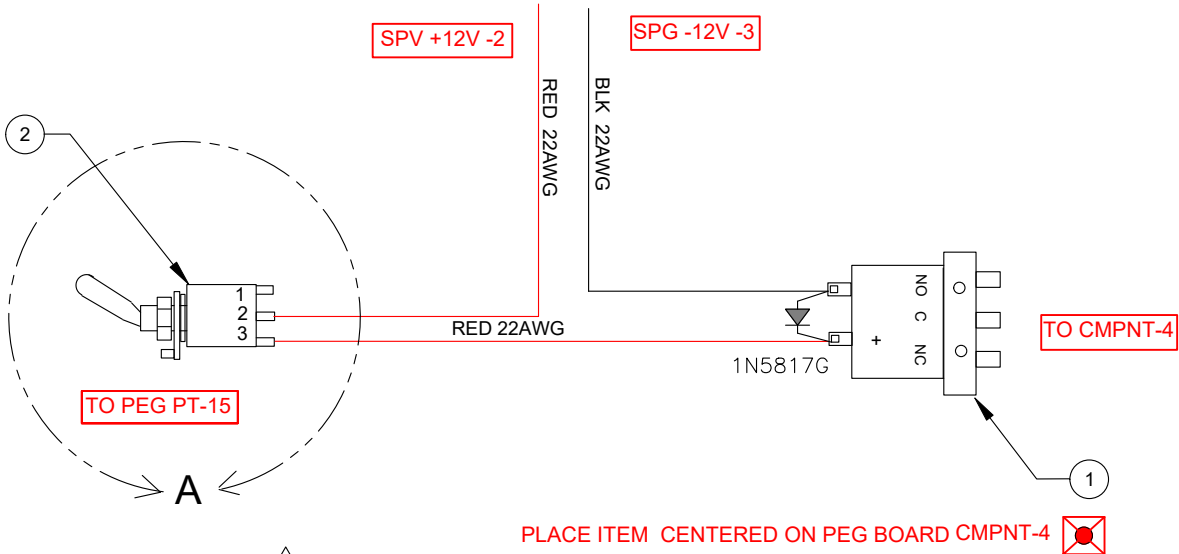


- NOTES:
- 1- * (ASTERISK) LABEL EACH WIRE/HARNESS BRANCH WITH DESCRIPTION TEXT SHOWN 1 INCH FROM CONNECTOR
 - 2 HARDWARE IS SUPPLIED WITH SWITCH
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3	1N5817G	1		1N5817G	DIGIKEY	DIODE SCHOTTKY 20V 1A AXIAL	EA
2		1		7101K2ZQE	DIGIKEY	SWITCH TOGGLE SPDT 5A 120V	EA
1		1		JFW 75S-111 BNC	JW INDUSTRIES	SWITCH, RF VIDEO	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

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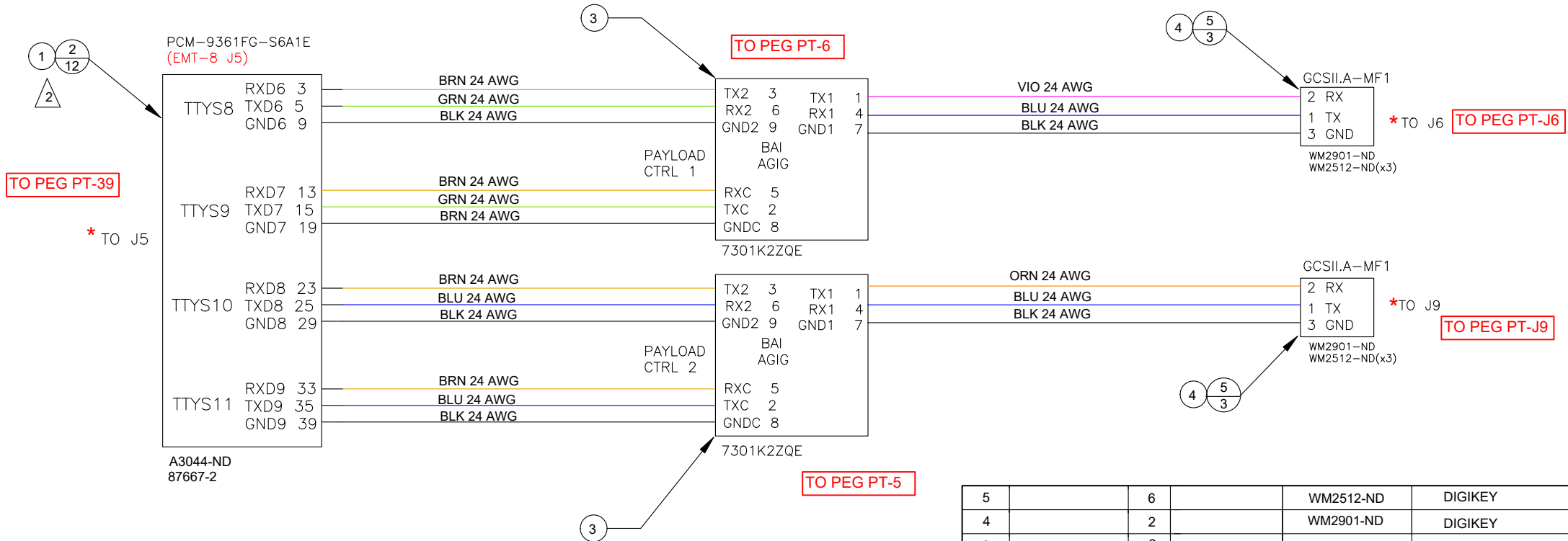
3	1N5817G	1		1N5817G	DIGIKEY	DIODE SCHOTTKY 20V 1A AXIAL	EA
2		1		7101K2ZQE	DIGIKEY	SWITCH TOGGLE SPDT 5A 120V	EA
1		1		2S1A31	DUCOMMUN	SWITCH, RF	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
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TO PEG PT-39

* TO J5

TO PEG PT-6

TO PEG PT-J6

TO PEG PT-J9

TO PEG PT-5

PIN SEQUENCE SHOWN BEHIND CONNECTOR

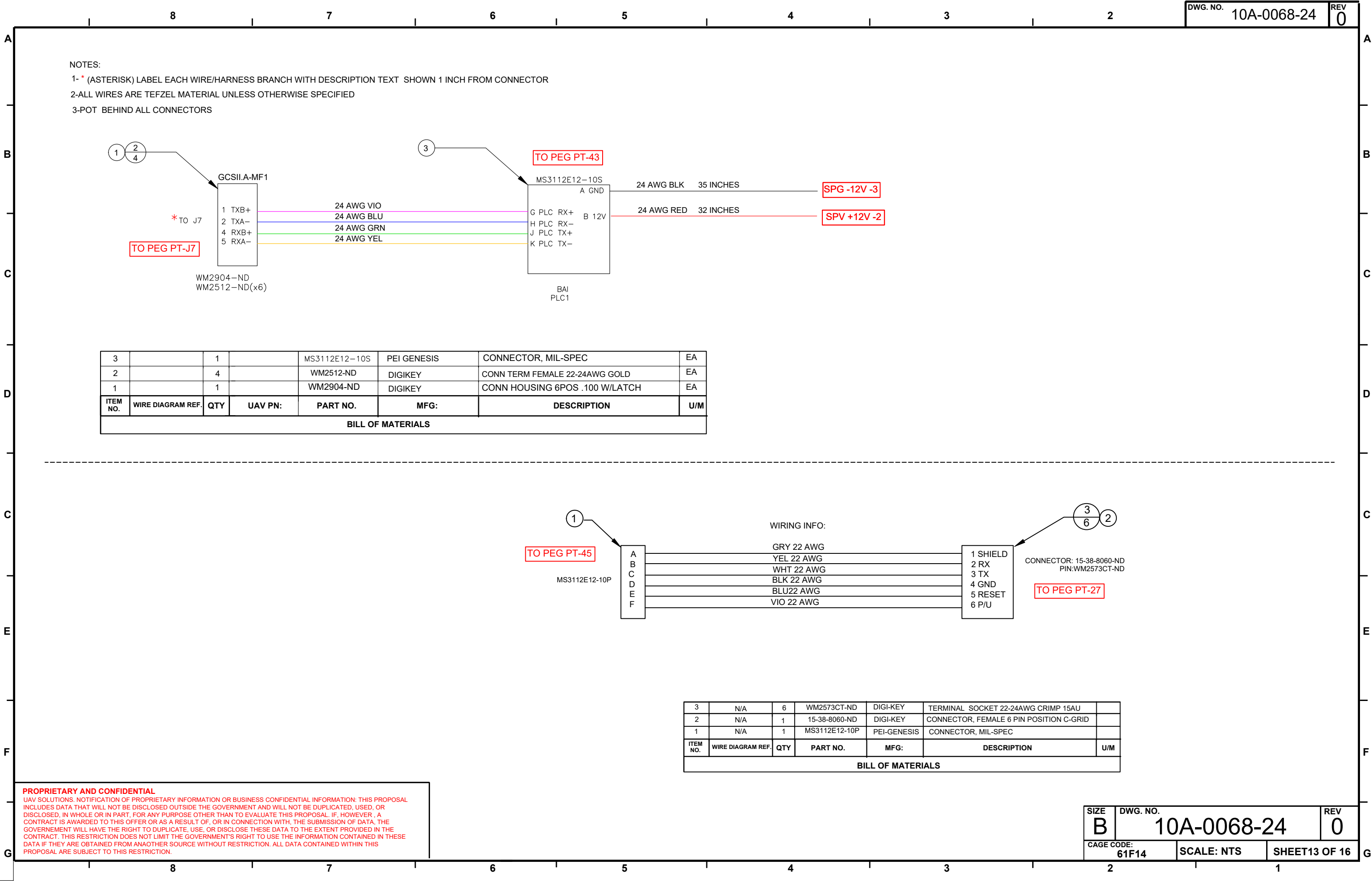
TO J5

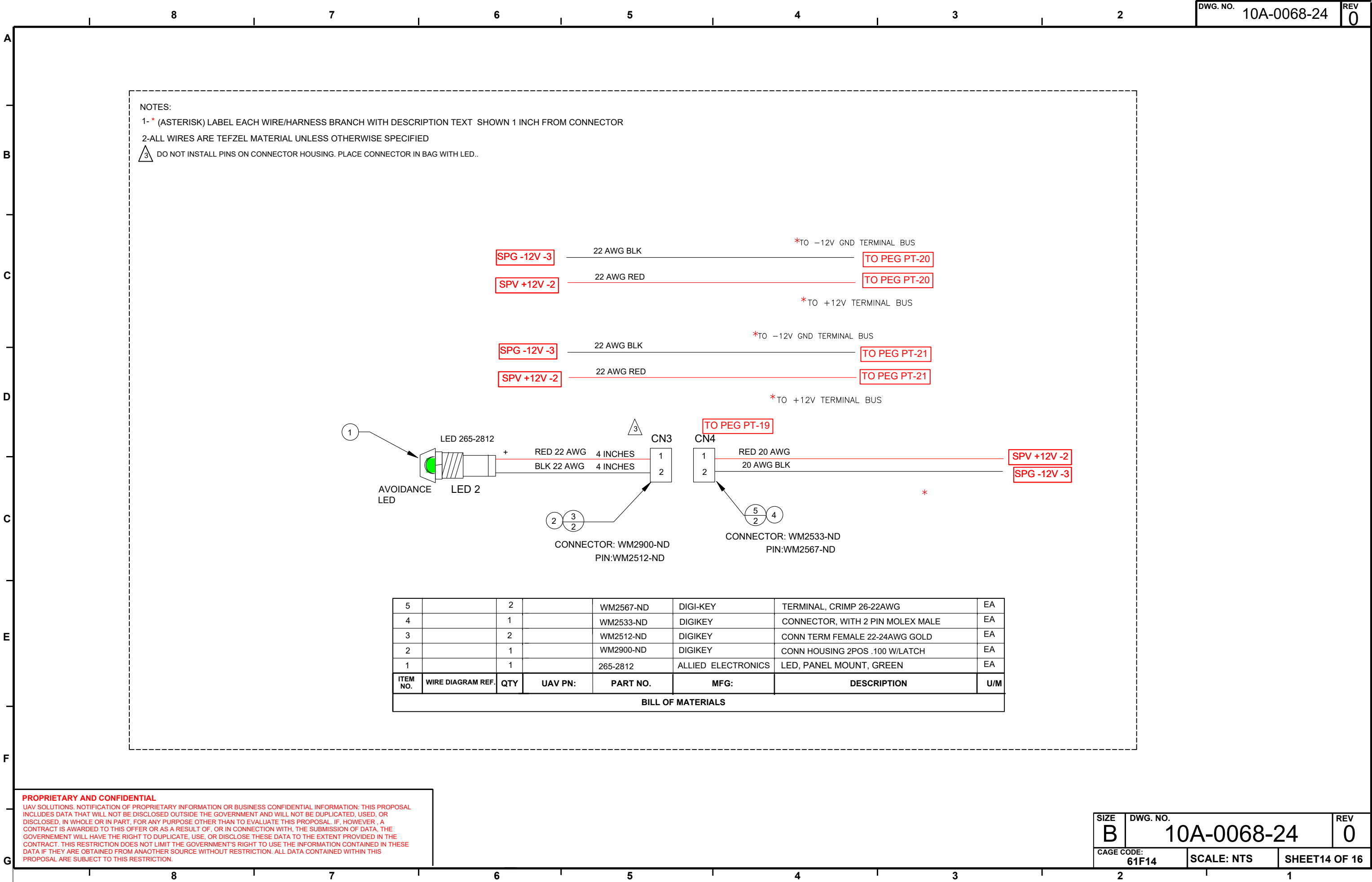
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39

5		6		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
4		2		WM2901-ND	DIGIKEY	CONN HOUSING 3POS .100 W/LATCH	EA
3		2		7301K2ZQE	DIGIKEY	SWITCH TOGGLE 3PDT 5A 120V	EA
2		12		87667-2	DIGIKEY	CONN SOCKET 22-26AWG GOLD CRIMP	EA
1		1		A3044-ND	DIGIKEY	CONN HOUSING 40POS .100 DUAL	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
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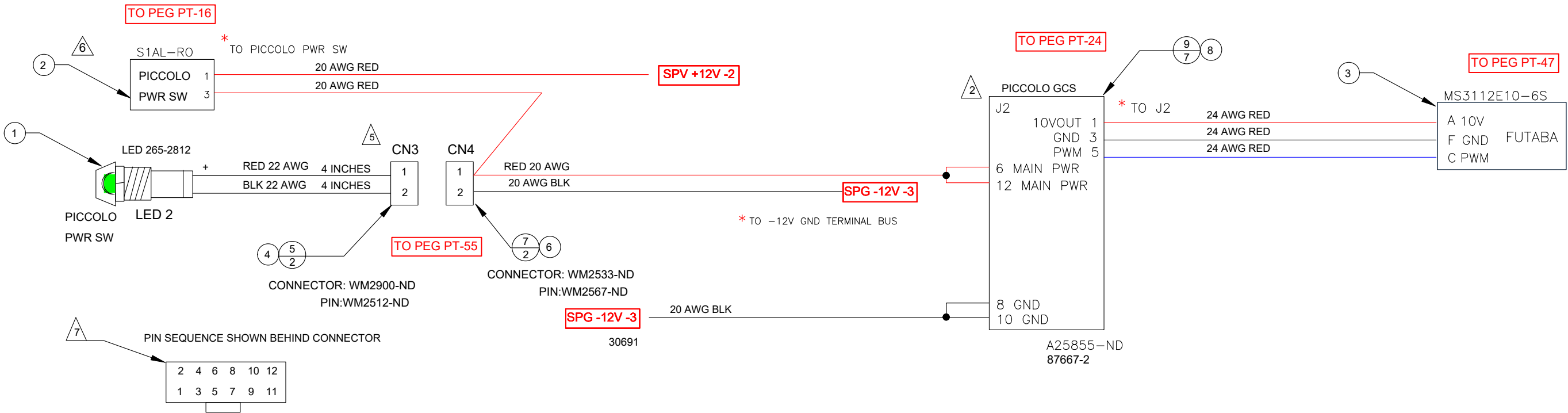
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- 2 CONNECTOR PIN COUNT SHOWN FROM THE REAR END OF CONNECTOR
NOTE: IGNORE PIN NUMBERING ON CONNECTOR
FOLLOW PIN NUMBER SEQUENCE SHOWN ON DWG.
- 3-POT BEHIND ALL CONNECTORS
- 4-ALL WIRES ARE TEFLON MATERIAL UNLESS OTHERWISE SPECIFIED
- 5 DO NOT INSTALL PINS ON CONNECTOR HOUSING. PLACE CONNECTOR IN BAG WITH LED..
- 6 HARDWARE IS SUPPLIED WITH SWITCH



9		7		87667-2	DIGI-KEY	CONN SOCKET 22-26AWG GOLD CRIMP	EA
8		1		A25855-ND	DIGI-KEY	CONN HOUSING 12POS .100 POL DUAL	EA
7		2		WM2567-ND	DIGI-KEY	TERMINAL, CRIMP 26-22AWG	EA
6		1		WM2533-ND	DIGIKEY	CONNECTOR, WITH 2 PIN MOLEX MALE	EA
5		2		WM2512-ND	DIGIKEY	CONN TERM FEMALE 22-24AWG GOLD	EA
4		1		WM2900-ND	DIGIKEY	CONN HOUSING 2POS .100 W/LATCH	EA
3		1		MS3112E10-6S	PEI GENESIS	CONNECTOR, MIL-SPEC	EA
2	S1AL-RO	1		360-1885-ND	DIGIKEY	SWITCH TOGGLE SPST 15A 125V	EA
1		1		265-2812	ALLIED ELECTRONICS	LED, PANEL MOUNT, GREEN	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	UAV PN:	PART NO.	MFG:	DESCRIPTION	U/M
BILL OF MATERIALS							

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