

Wiring#	FROM			TO			Wire AWG/Item/Color	Cut Wire Length, Inch	Notes
	Comp Item	Position	Term	Comp Item	Position	Term			
1	2	GND		GROUND BAR		36	10 AWG GRN	13.5	
2	15	L		GROUND BAR		41	14AWG/GRN	TBD	
3	16	GND		GROUND BAR		41	14AWG/GRN	TBD	
4	2	L		8	L-1	36	14AWG/BLK	5	
5	11	A	40	11	2	40	14AWG/BLK	12	Note 9
6	14	A		8	N	36	14 AWG WHT	14	
7	2	N		8		36	10 AWG WHT	16	Note 9
8	14	B	40	GROUND BAR		36	10 AWG GRN	11	
9	8	GND		GROUND BAR		36	10 AWG GRN	11	
10	46-1	1	39	45	11	39	24 AWG YEL	TBD	
11	46-2	1	39	45	12	39	24 AWG GRN	TBD	
12	46-2	2	39				24 AWG WHT	TBD	
13	46-1	2	39				24 AWG WHT	TBD	
14	2	5	39	27-1	R-4	40	24 AWG WHT	14	
15	2	8	39				24 AWG ORG	14	
16	45	1	37				20 AWG RED	1.5	
17	45	1	37				20 AWG GRD	1.5	
18	45	5	39				20 AWG GRD	1.5	
19	2	6	39				24 AWG WHT	17	
20	2	9	39				24 AWG ORG	17	
21	2	3-		30	2	29	10 AWG BLK	30.5	Keep in Pair 1
22	2	4+		70	2	36	10 AWG RED	28	
23	2	2+		64	2	36	10 AWG GRD	28	
24	2	1-		27-2	L-1	29	10 AWG BLK	23	Keep in Pair 2
25	70	1	40	30	1	29	10 AWG GRD	13	
26	13	12	40	16	1		10 AWG GRD	9	
27	13	A1	39	45	6	39	24 AWG GRN	10	
28	13	11	40	27-1	L-1	36	14 AWG GRD	7	
29	12-1	11	40				14 AWG RED	7	
30	12-1	12	40	15	J	9	14 AWG GRD	9	
31	12-1	A1+	39	45	2	39	24 AWG WHT	11	
32	9	GND	36	GROUND BAR		36	10 AWG GRN	6	
33	9	"4"	40	27-1	R-5	36	10 AWG RED	7	
34	64	1	40				14 AWG GRD	6	
35	9	"-	40	27-2	R-3	40	10 AWG BLK	7	
36	27-1			12-2	11	39	20 AWG GRD	2.0	
37	27-1	R-3	38	44	5	39	20 AWG GRD	TBD	

Wiring #	FROM			TO			Wire AWG/Item/Color	Cut Wire Length, Inch	Notes
	Comp Item	Position	Term	Comp Item	Position	Term			
38	27-2	L-2	36	15	K		10 AWG BLK	6	
39	27-2			16	2		10 AWG RED	8	
40	20	1		28-1	1	31	10 AWG RED	23	
41	20	2		28-1	2	31	10 AWG BLK	23	
42	33	1	39	27-2	R-4	38	20 AWG/BLK	TBD	
43	44	4	39	12-2	12	39	20 AWG/RED	TBD	
44	33	2	39	12-2	12	39	10 AWG/RED	TBD	
45	28-2	1	31	BATT+	34		10 AWG/RED	TBD	Keep in Pair 3; see Note 7
46	28-2	2	31	BATT-	34		10 AWG/BLK	TBD	
47	12-2	A1+	39	45	4	39	24 AWG BRN	TBD	
48	19	A		44	3	39	24 AWG RED	33	
49	6	Red		44	3	39	24 AWG GRN	33	
50	19	B		44	2	39	24 AWG WHT	33	
51	6	Blue		44	2	39	24 AWG BLK	33	
52	44	1	39	19	C		24 AWG BLK	33	
53	44	1	39	27-2	R-2	38	24 AWG BLK	TBD	
54	6	Black		27-2			24 AWG BLK	TBD	
55	12-2	A2-	39				24 AWG BLK	TBD	
56	13	A2	39				24 AWG BLK	TBD	
57	12-1	A2-	39	27-2	R-1	40	24 AWG BLK	TBD	COM
58	45	14	39				20 AWG BLK	TBD	
59	14	C		GROUND BAR		40	14 AWG/GRN	TBD	Note 9
60	17	A					25 - Stripe Orange		Cut Item 25 to length as needed
61	17	B		10-1	1		25 - Solid Orange	16	
62	17	C					25 - Solid Green		
63	17	D					25 - Stripe Green		
64	15	A					25 - Stripe Orange		
65	15	B					25 - Solid Orange		
66	15	G		10-2	1		25 - Solid Green	21	Cut Item 25 to length as needed
67	15	H					25 - Stripe Green		
68	18	A					26 - Stripe Orange	TBD	
69	18	B		47			26 - Solid Orange	TBD	Cut Item 26 to length as needed
70	18	C					26 - Solid Green	TBD	
71	18	D					26 - Stripe Green	TBD	
72	10-1	2		47			Ethernet1	23	
73	10-2	2		47			Ethernet2	23	
74	3	ENET1		47			Ethernet5	24	
75	35			47			Antenna	35	Note 3

**REFERENCE NOTES**

1. Unless otherwise specified dimensions are in INCHES.
2. All dimensions are to the centerline of the hole.
3. All dimensions are to the centerline of the hole.
4. All dimensions are to the centerline of the hole.

**General Tolerances**

± Dimension	±0.031	±0.028	±0.026	±0.024	±0.022	±0.020	±0.018	±0.016	±0.014	±0.012	±0.010	±0.008	±0.006	±0.004	±0.002
Finish	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004
Material	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004	±0.004
Case	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008	±0.008

**THIRD ANGLE PROJECTION**

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**AC Power System**

DATE: 03/01/2016  
 DRAWN: J. ZHONG  
 CHECKED: [Signature]  
 SCALE: N/A  
 SHEET: 3 OF 3