

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

Wiring #	FROM			TO			Wire AWG/Item/Color	Cut Wire Length, Inch	Notes
	Comp Item	Position	Term	Comp Item	Position	Term			
38	20	A	38	28-1	1	31	14 AWG RED	23	
39	20	B	38	28-1	2	31	14 AWG BLK	23	
40	33	1	39	44	4	39	20 AWG BLK	TBD	
41	33	2	39	12-2	12	39	20 AWG RED	TBD	
42	28-2	1	31	BATT+	34	34	14 AWG RED	TBD	Keep in Pair 3; see Note 7
43	28-2	2	31	BATT-	34	34	14 AWG BLK	TBD	
44	12-2	A1+	39	45	4	39	24 AWG BRN	TBD	
45	19	A	39	44	3	39	24 AWG RED	33	
46	6	Red	39	44	2	39	24 AWG BLU	33	
47	19	B	39	44	2	39	24 AWG BLU	33	
48	6	Blue	39	19	C	33	24 AWG BLK	TBD	
49	44	1	39	27-2	R-2	38	24 AWG BLK	TBD	
50	44	1	39	27-2	R-2	38	24 AWG BLK	TBD	
51	6	Black	39	27-2	R-2	38	24 AWG BLK	TBD	
52	12-2	A2-	39	27-2	R-1	40	24 AWG BLK	TBD	
53	13	A2	39	27-2	R-1	40	24 AWG BLK	TBD	
54	12-1	A2-	39	27-2	R-1	40	24 AWG BLK	TBD	
55	45	14	39	GROUND BAR	41	41	14 AWG GRN	TBD	
56	15	L	39	GROUND BAR	41	41	14 AWG GRN	TBD	
57	16	B	39	GROUND BAR	41	41	14 AWG GRN	TBD	
58	17	A	39	10-1	1	16	25 - Stripe Orange	16	Cut Item 25 to length as needed
59	17	A	39	10-1	1	16	25 - Solid Orange	16	Cut Item 25 to length as needed
60	17	B	39	10-1	1	16	25 - Solid Green	16	Cut Item 25 to length as needed
61	17	C	39	10-1	1	16	25 - Solid Green	16	Cut Item 25 to length as needed
62	17	D	39	10-1	1	16	25 - Stripe Orange	16	Cut Item 25 to length as needed
63	15	A	39	10-2	1	21	25 - Solid Orange	21	Cut Item 25 to length as needed
64	15	B	39	10-2	1	21	25 - Solid Orange	21	Cut Item 25 to length as needed
65	15	G	39	10-2	1	21	25 - Solid Green	21	Cut Item 25 to length as needed
66	15	H	39	10-2	1	21	25 - Solid Green	21	Cut Item 25 to length as needed
67	18	A	39	47	Ethernet 1	23	26 - Stripe Orange	TBD	
68	18	B	39	47	Ethernet 2	23	26 - Solid Orange	TBD	
69	18	C	39	47	Ethernet 3	23	26 - Solid Orange	TBD	
70	18	D	39	47	Ethernet 4	23	26 - Solid Orange	TBD	
71	10-1	2	47	47	Ethernet 1	23	26 - Stripe Green	TBD	
72	10-2	2	47	47	Ethernet 2	23	26 - Stripe Green	TBD	
73	3	ENET 1	47	47	Ethernet 5	24	26 - Stripe Green	TBD	
74	35	Antenna	47	47	Antenna	35	26 - Stripe Green	TBD	Note 3

**REFERENCE NOTES**

1. VERIFY DRAWING SPECIFICATIONS AGAINST THE INCHES.
2. VERIFY DIMENSIONS AGAINST THE INCHES.
3. VERIFY DIMENSIONS AGAINST THE INCHES.

**General Tolerances**

ASSEMBLY	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)	±0.125" (k)
FINISH	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)	±0.002" (m)
MATERIAL	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)	±0.004" (n)
CASING	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)	±0.008" (p)

**THIRD ANGLE PROJECTION**

**TITLE**  
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**AC Power System**

Drawn: L. ZHONG  
Date: 01/20/2016  
Checked: [Signature]  
Date: [Signature]

Scale: N/A  
Rev: XI  
Sht: 3 of 3