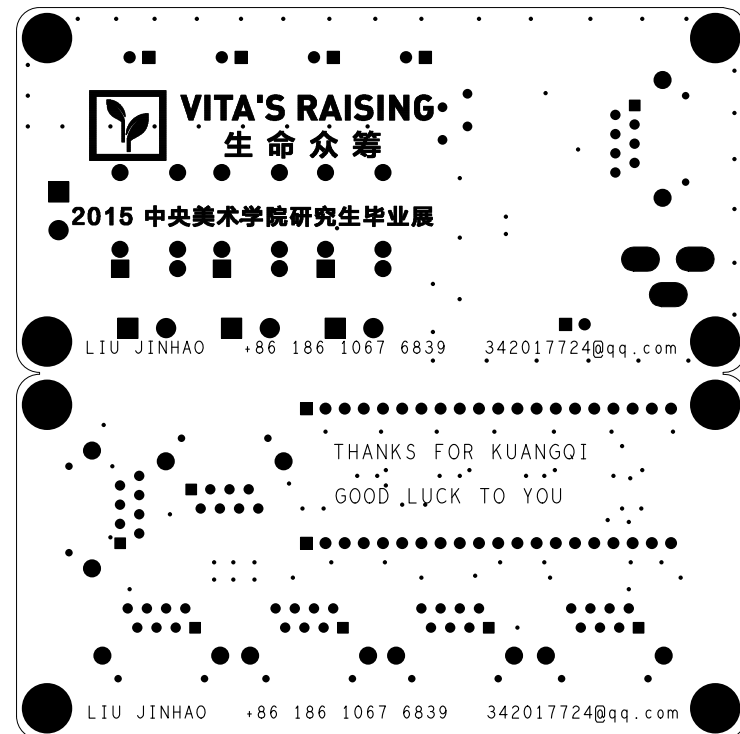
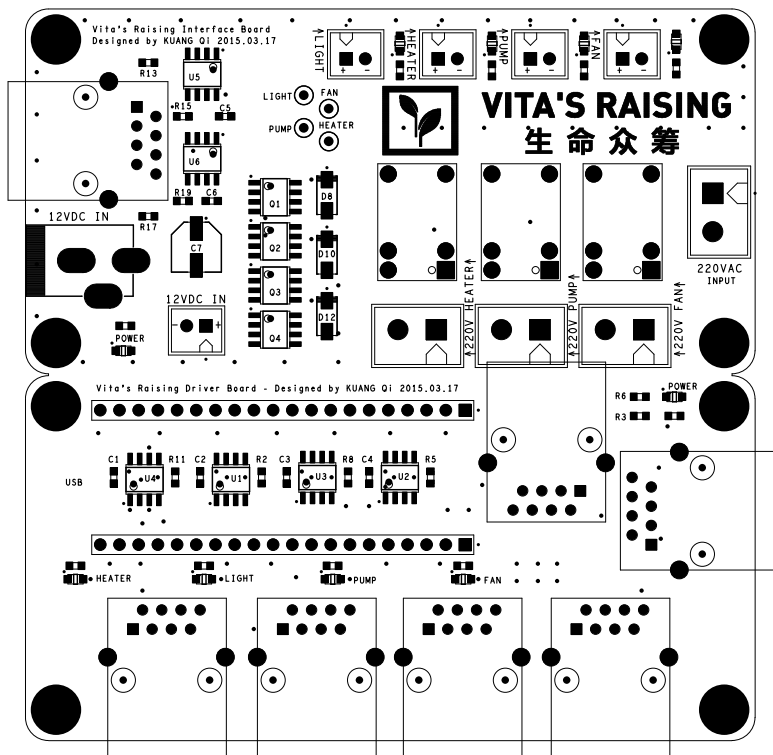
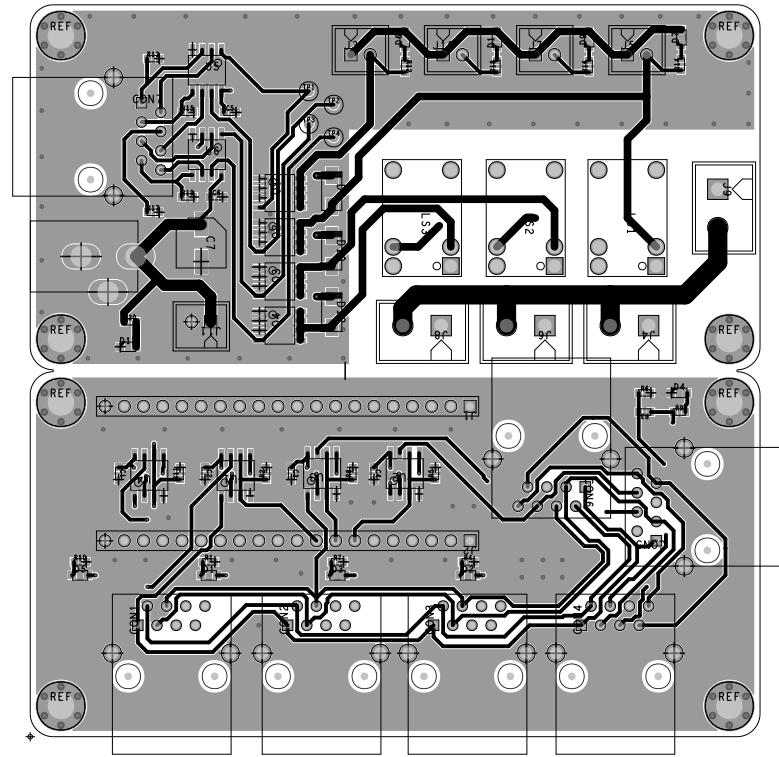


Title		
Vita's Raising - A smart flowerpot connected with the Internet		
Size	Document Number	Rev
A3	Driver Board	A1
Date:	Monday, March 16, 2015	Sheet 2 of 2

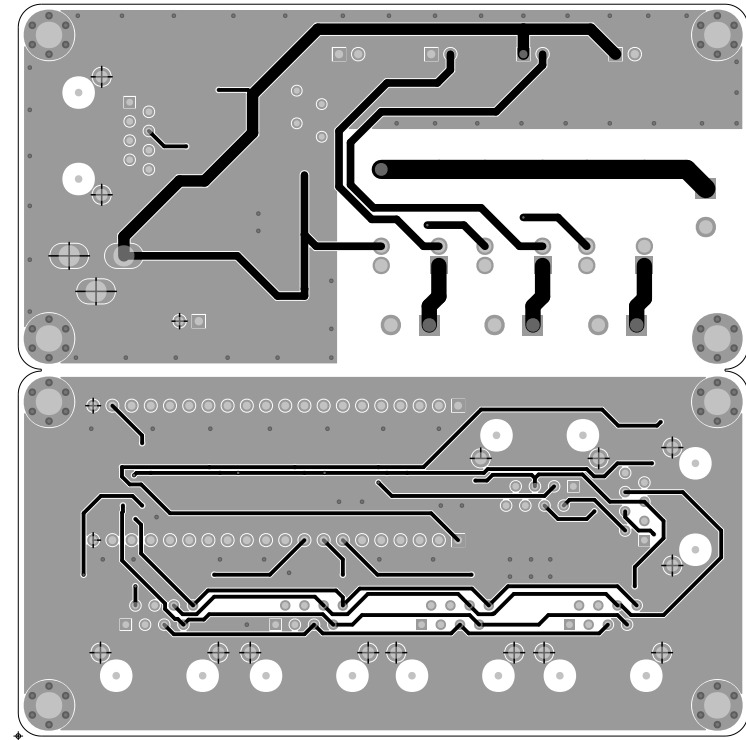


ART FILM - TOP

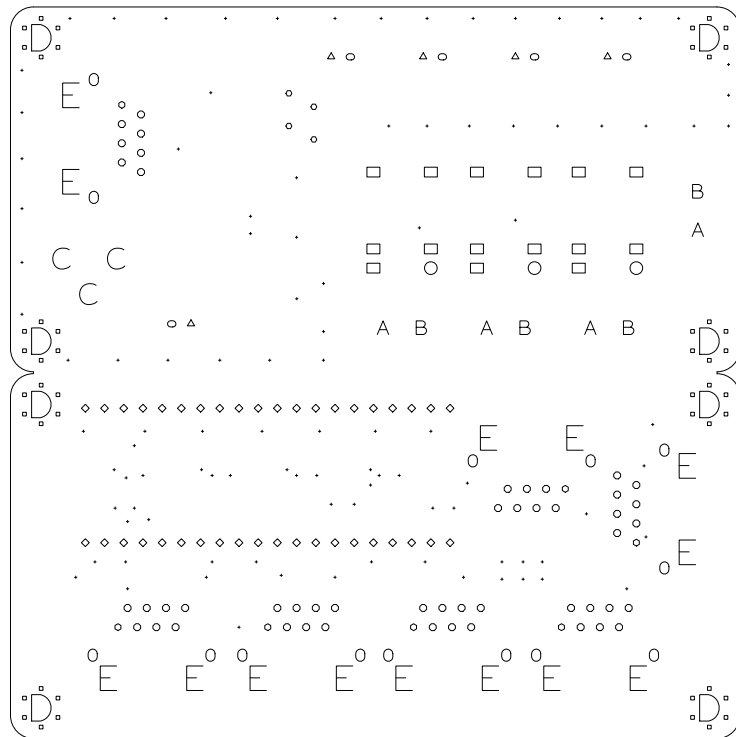


ART FILM - TOP

ART FILM - BOTTOM



ART FILM - BOTTOM



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
.	13.0	PLATED	102
°	19.69	PLATED	48
°	31.5	PLATED	4
°	35.43	PLATED	49
°	35.43	PLATED	7
◊	41.34	PLATED	40
°	43.31	PLATED	5
△	43.31	PLATED	5
○	62.99	PLATED	14
○	66.93	PLATED	3
□	66.93	PLATED	15
A	70.87	PLATED	4
B	70.87	PLATED	4
C	110.2	PLATED	3
D	137.8	PLATED	8
E	127.95	NON-PLATED	14

**Vita's Raising - A smart flowerpot connected with the Internet**  
**Interface Board Revision: A1 Revised: Monday, March 16, 2015**

**Bill Of Materials**

Item	Quantity	Reference	Value
1	6	CON1,CON2,CON3,CON4,CON5,CON6	CON RJ45
2	4	C1,C2,C3,C4	100nF
3	5	D1,D2,D3,D4,D5	LED
4	2	J1,J2	HEADER_1X20
5	5	R1,R4,R7,R9,R10	1k
6	5	R2,R3,R5,R8,R11	10k
7	1	R6	4.7k
8	4	U1,U2,U3,U4	LM393N

**Vita's Raising - A smart flowerpot connected with the Internet**  
**Driver Board Revision: A1 Revised: Monday, March 16, 2015**

**Bill Of Materials**

Item	Quantity	Reference	Value
1	1	CON7	CON RJ45
2	2	CON8,J11	12V
3	2	C5,C6	100nF
4	1	C7	47uF
5	5	D6,D7,D9,D11,D13	LED
6	3	D8,D10,D12	M7
7	1	J3	LED_ARRAY
8	1	J4	220V_FAN
9	1	J5	12V_FAN
10	1	J6	220V_PUMP
11	1	J7	12V_PUMP
12	1	J8	220V_HEATER
13	1	J9	220V
14	1	J10	12V_HEATER
15	3	LS1,LS2,LS3	12V SPDT
16	4	Q1,Q2,Q3,Q4	IRF7413 N-MOS
17	5	R12,R14,R16,R18,R20	4.7k
18	4	R13,R15,R17,R19	100k
19	4	TP1,TP2,TP3,TP4	T POINT R
20	2	U5,U6	LM393N