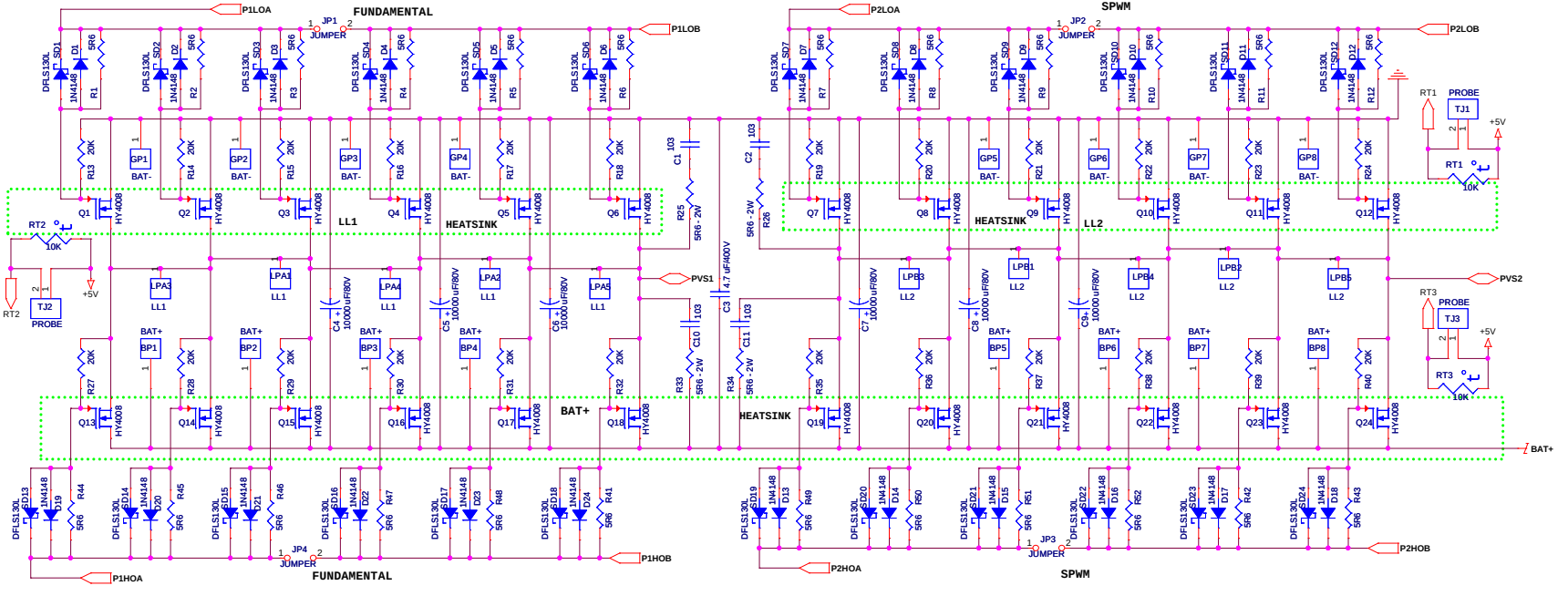
NOTES:
1. THERMISTORS (RT1-RT2) SHOULD BE LOCATED
   AT THE MIDDLE OF THEIR HEATSINKS.
2. SCHOTTKY DIODES SD1 THRU SD20 ARE OPTIONAL



FOR EDUCATIONAL PURPOSE ONLY.
USE AT YOUR OWN RISK!

Title	EXPERIMENTAL INVERTER (POWER SECTION)	
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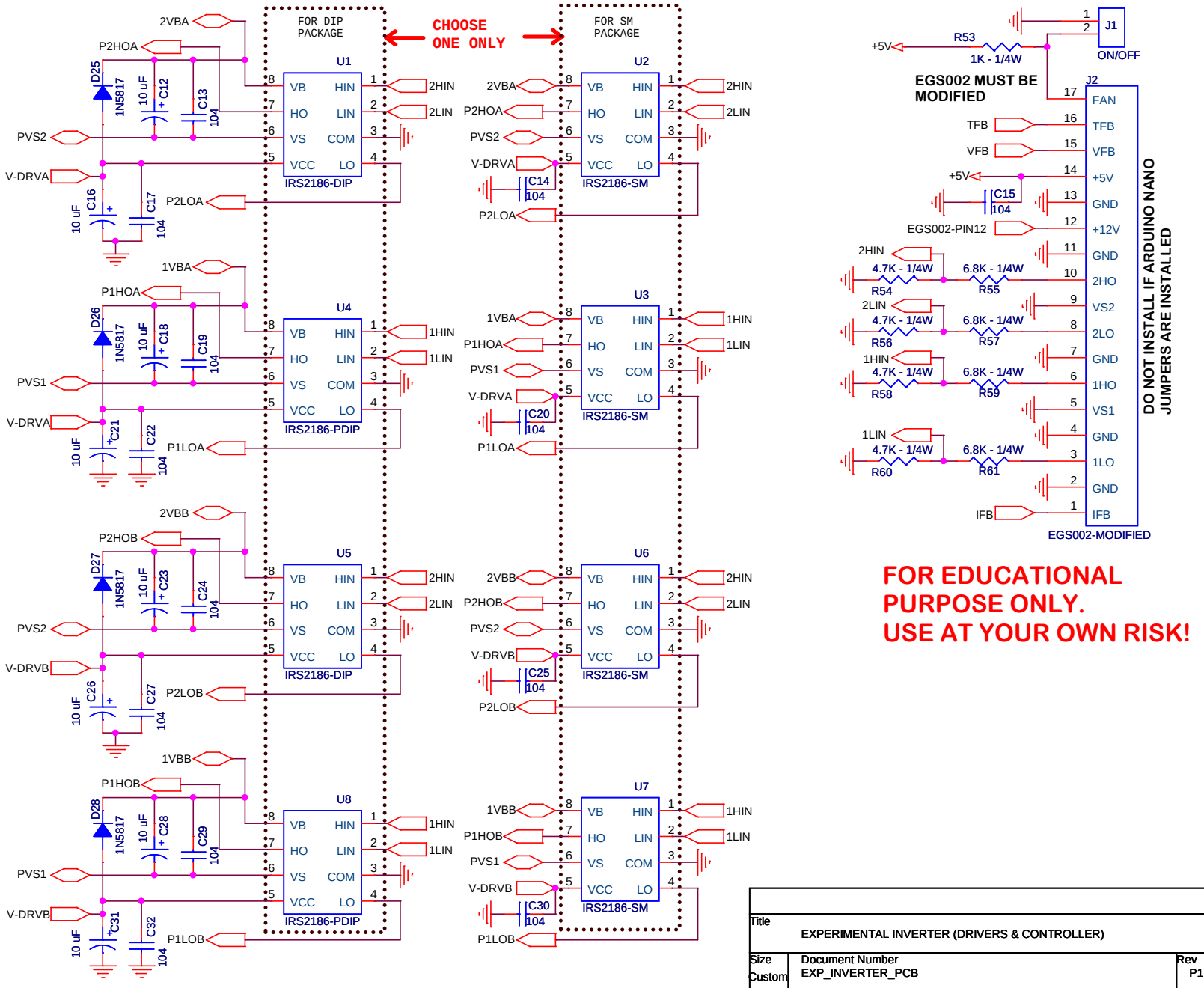

Title	EXPERIMENTAL INVERTER (DRIVERS & CONTROLLER)	
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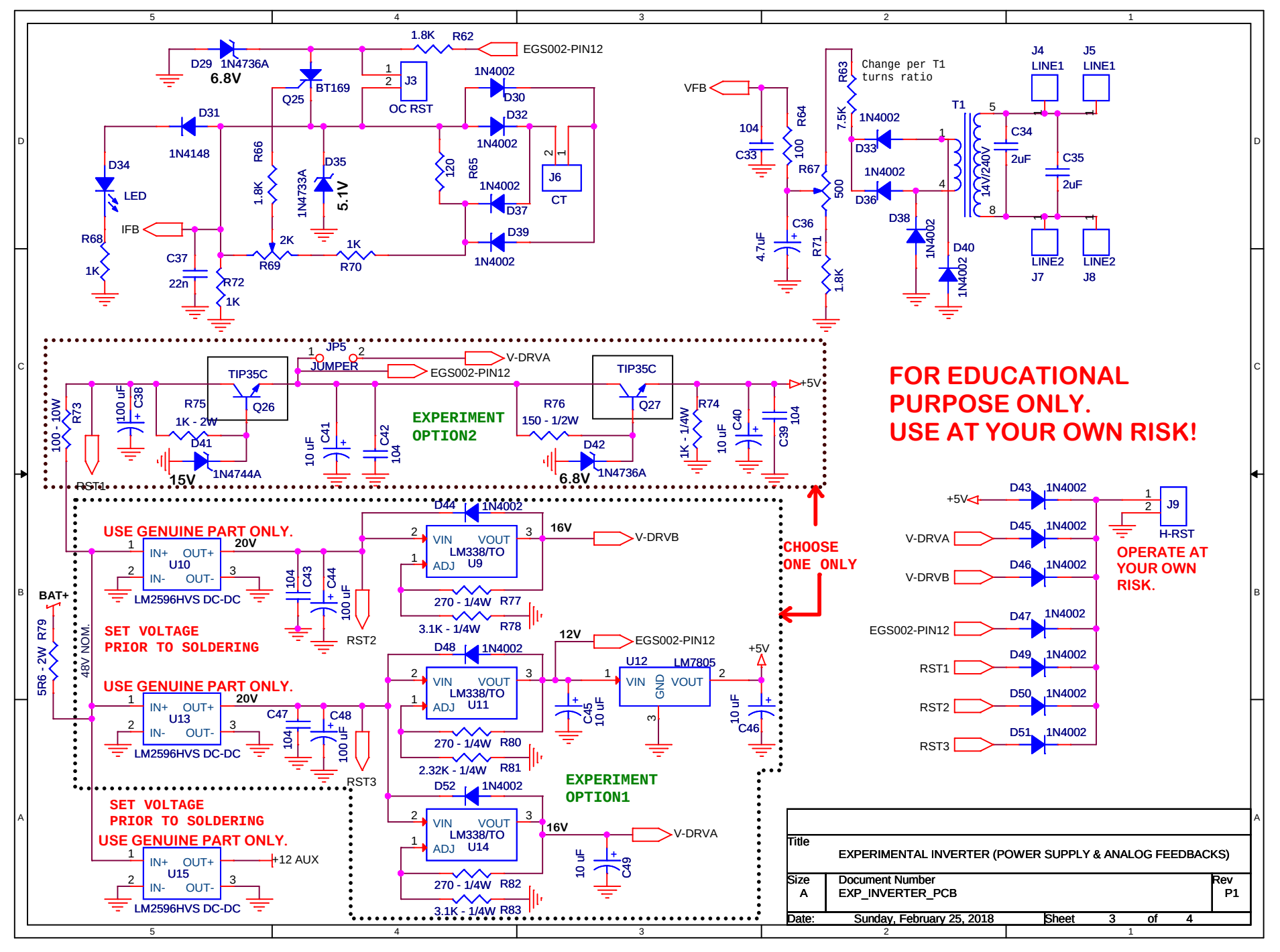
D29 1N4736A
6.8V
Q25 BT169
1.8K R62
EGS002-PIN12
J3
OC RST
D31
1N4148
D34
LED
R68
1K
IFB
C37
22n
R72
1K
R66
1.8K
D35
1N4733A
5.1V
2K R69
1K R70
120 R65
J6
CT
1N4002 D30
1N4002 D32
1N4002 D37
1N4002 D39
VFB
104 C33
R64 100
R67 500
C36 4.7uF
R71 1.8K
R63 7.5K
Change per T1 turns ratio
1N4002 D33
1N4002 D36
D38 1N4002
D40 1N4002
T1 14V/240V
C34 2uF
C35 2uF
J4 LINE1
J5 LINE1
LINE2 J7
LINE2 J8
JP5 JUMPER
V-DRVA
EGS002-PIN12
TIP35C Q26
TIP35C Q27
+5V
100 - 10W R73
100 uF C38
R75 1K - 2W
D41 1N4744A
15V
10 uF C41
C42 104
EXPERIMENT OPTION2
R76 150 - 1/2W
D42 1N4736A
6.8V
1K - 1/4W R74
10 uF C40
C39 104
RST1
FOR EDUCATIONAL PURPOSE ONLY.
USE AT YOUR OWN RISK!
CHOOSE ONE ONLY
D43 1N4002
D45 1N4002
D46 1N4002
D47 1N4002
D49 1N4002
D50 1N4002
D51 1N4002
+5V
V-DRVA
V-DRVB
EGS002-PIN12
RST1
RST2
RST3
J9
H-RST
OPERATE AT YOUR OWN RISK.
USE GENUINE PART ONLY.
U10 LM2596HVS DC-DC
20V
104 C43
C44 100 uF
RST2
SET VOLTAGE PRIOR TO SOLDERING
BAT+
5R6 - 2W R79
48V NOM.
D44 1N4002
U9 LM338/TO ADJ
16V
V-DRVB
270 - 1/4W R77
3.1K - 1/4W R78
USE GENUINE PART ONLY.
U13 LM2596HVS DC-DC
20V
C47 104
C48 100 uF
RST3
SET VOLTAGE PRIOR TO SOLDERING
D48 1N4002
U11 LM338/TO ADJ
12V
EGS002-PIN12
U12 LM7805
C45 10 uF
10 uF C46
270 - 1/4W R80
2.32K - 1/4W R81
EXPERIMENT OPTION1
USE GENUINE PART ONLY.
U15 LM2596HVS DC-DC
+12 AUX
D52 1N4002
U14 LM338/TO ADJ
16V
V-DRVA
10 uF C49
270 - 1/4W R82
3.1K - 1/4W R83
Title
EXPERIMENTAL INVERTER (POWER SUPPLY & ANALOG FEEDBACKS)
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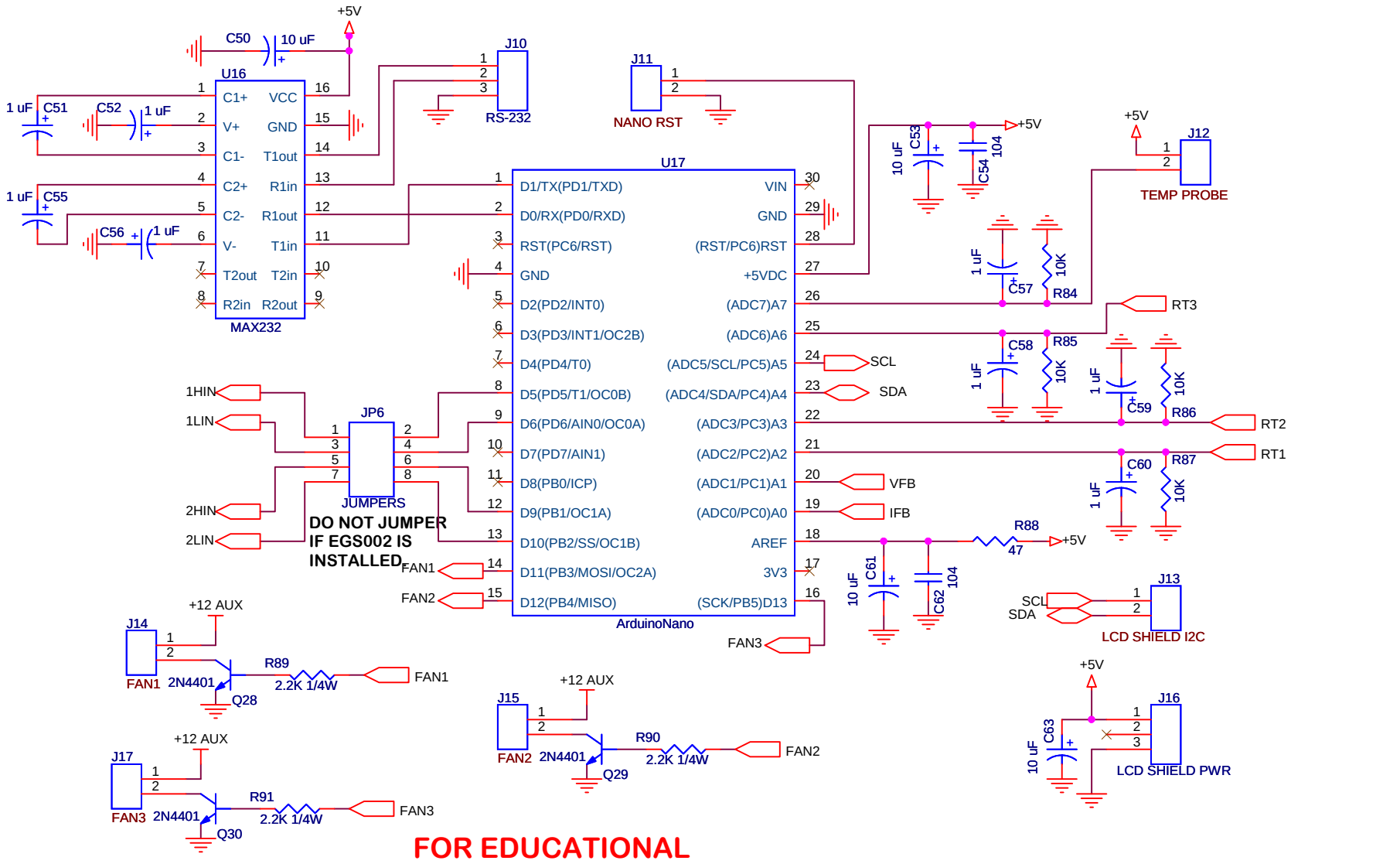

Title	EXPERIMENTAL INVERTER (FAN CONTROLS & OTHERS)	
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CUT TRACE

AFTER CUTTING, CONFIRM OPEN CIRCUIT WITH OHMMETER.

JUMPERS

REMOVE U4