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Breadboard layout with labeled connections:
- EAV+
- EAV-
- I - 1 ACTIVE EL.
- VEGATEST SWITCH (1)
- VEGATEST SWITCH (1)
- VEGATEST SWITCH (2)
- ALWAYS ON SWITCH
- II-1 ACTIVE EL.
- II-2 AUX EL.
- I - 2 AUX EL.
- VEGATEST SWITCH (2)

Components on board: 100n, 100R, IL300, MCP 6141, 33k, 220k, D5, D6, 10n, 22k, Z1, Arduino NANO, mini USB, STEP-UP, CNY17, Relay 1, 330R, 33R, 22k, 1k

Component pinout diagrams:

MCP6141
PDIP, SOIC, MSOP
- NC — 1 ... 8 — NC
- $V_{IN}-$ — 2 ... 7 — V_{DD}
- $V_{IN}+$ — 3 ... 6 — V_{OUT}
- V_{SS} — 4 ... 5 — NC

IL300
- C — 1 ... 8 — NC
- A — 2 ... 7 — NC
- C — 3 ... 6 — C
- A — 4 ... 5 — A
- K1, K2

LP2950
LP Package
3-Pin TO-92
Bottom View
- OUT
- IN
- GND

CNY17
- A — 1 ... 6 — B
- C — 2 ... 5 — C
- NC — 3 ... 4 — E

Switch diagram:
Single Side stable
1 2 3 4 5
+
-
10 9 8 7 6
Index mark
(De-energized Position)