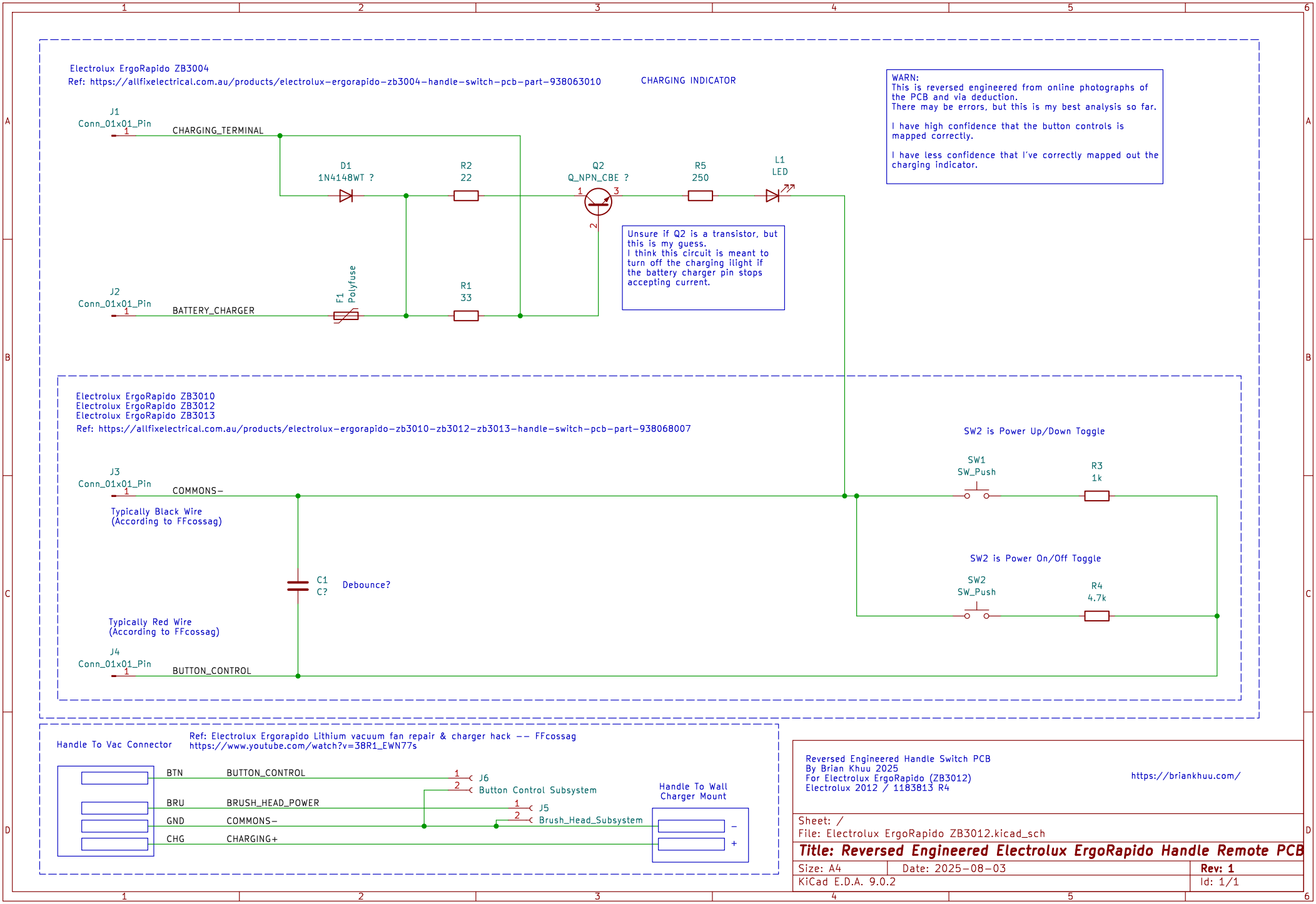
Electrolux ErgoRapido ZB3004
Ref: https://allfixelectrical.com.au/products/electrolux-ergorapido-zb3004-handle-switch-pcb-part-938063010
CHARGING INDICATOR
WARN:
This is reversed engineered from online photographs of the PCB and via deduction.
There may be errors, but this is my best analysis so far.
I have high confidence that the button controls is mapped correctly.
I have less confidence that I've correctly mapped out the charging indicator.
J1
Conn_01x01_Pin
CHARGING_TERMINAL
D1
1N4148WT ?
R2
22
Q2
Q_NPN_CBE ?
R5
250
L1
LED
Unsure if Q2 is a transistor, but this is my guess.
I think this circuit is meant to turn off the charging ilight if the battery charger pin stops accepting current.
J2
Conn_01x01_Pin
BATTERY_CHARGER
F1
Polyfuse
R1
33
Electrolux ErgoRapido ZB3010
Electrolux ErgoRapido ZB3012
Electrolux ErgoRapido ZB3013
Ref: https://allfixelectrical.com.au/products/electrolux-ergorapido-zb3010-zb3012-zb3013-handle-switch-pcb-part-938068007
SW2 is Power Up/Down Toggle
SW1
SW_Push
R3
1k
J3
Conn_01x01_Pin
COMMONS-
Typically Black Wire
(According to FFcossag)
SW2 is Power On/Off Toggle
C1
C?
Debounce?
SW2
SW_Push
R4
4.7k
Typically Red Wire
(According to FFcossag)
J4
Conn_01x01_Pin
BUTTON_CONTROL
Handle To Vac Connector
Ref: Electrolux Ergorapido Lithium vacuum fan repair & charger hack -- FFcossag
https://www.youtube.com/watch?v=38R1_EWN77s
BTN
BUTTON_CONTROL
J6
Button Control Subsystem
BRU
BRUSH_HEAD_POWER
J5
Brush_Head_Subsystem
GND
COMMONS-
CHG
CHARGING+
Handle To Wall
Charger Mount
-
+
Reversed Engineered Handle Switch PCB
By Brian Khuu 2025
For Electrolux ErgoRapido (ZB3012)
Electrolux 2012 / 1183813 R4
https://briankhuu.com/
Sheet: /
File: Electrolux ErgoRapido ZB3012.kicad_sch
Title: Reversed Engineered Electrolux ErgoRapido Handle Remote PCB
Size: A4
Date: 2025-08-03
Rev: 1
KiCad E.D.A. 9.0.2
Id: 1/1