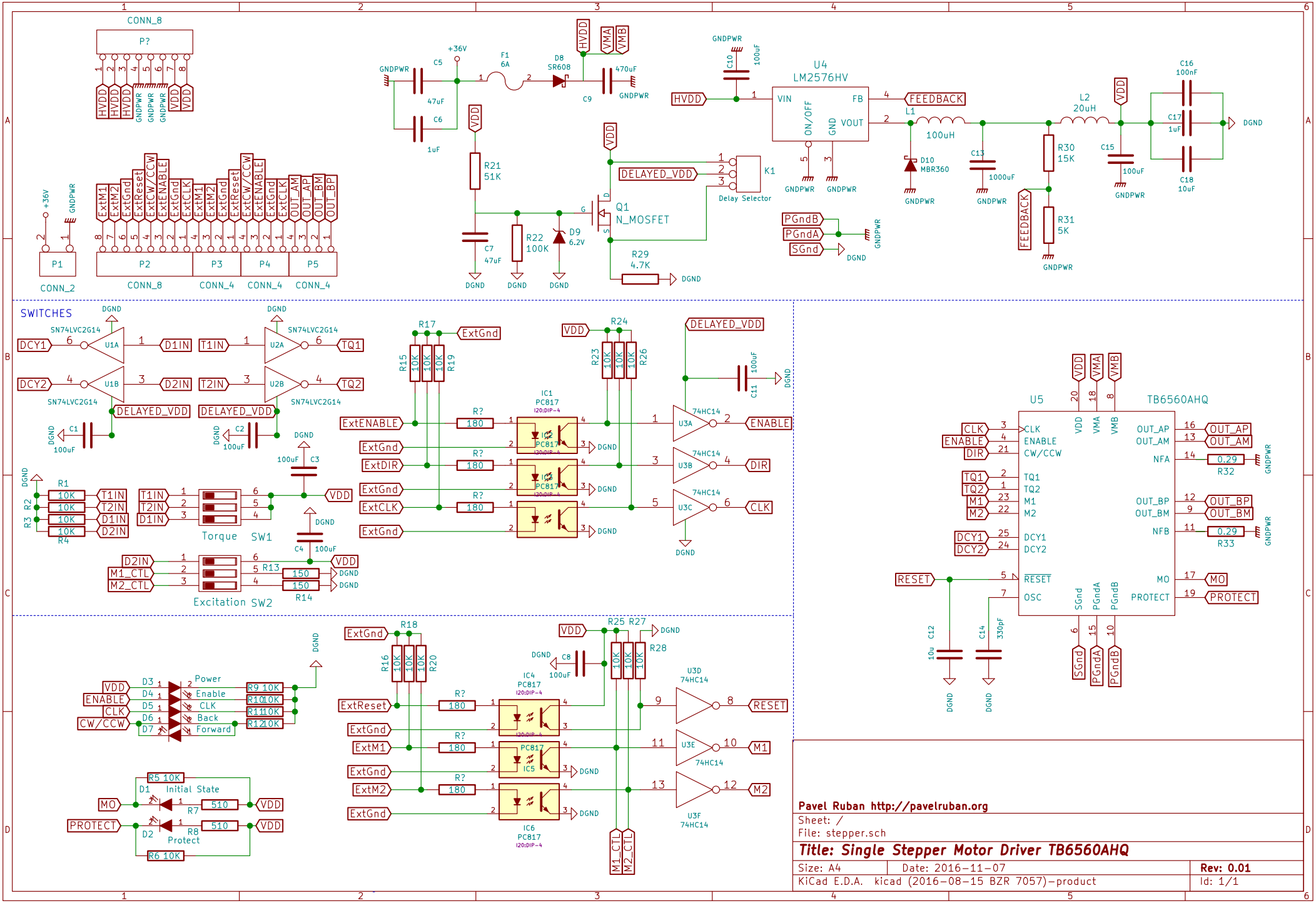
CONN_8
P?
HVDD
VDD
GNDPWR
+36V
P1
CONN_2
ExtM1
ExtM2
ExtGnd
ExtReset
ExtCW/CCW
ExtENABLE
ExtCLK
OUT_AM
OUT_AP
OUT_BM
OUT_BP
P2
P3
P4
P5
CONN_8
CONN_4
CONN_4
CONN_4
C5
47uF
C6
1uF
F1
6A
D8
SR608
C9
470uF
VMA
VMB
R21
51K
C7
47uF
R22
100K
D9
6.2V
DGND
Q1
N_MOSFET
R29
4.7K
DELAYED_VDD
K1
Delay Selector
C10
100uF
U4
LM2576HV
VIN
ON/OFF
GND
FB
VOUT
FEEDBACK
L1
100uH
D10
MBR360
C13
1000uF
L2
20uH
R30
15K
R31
5K
C15
100uF
C16
100nF
C17
1uF
C18
10uF
PGndB
PGndA
SGnd
SWITCHES
SN74LVC2G14
U1A
U1B
U2A
U2B
DCY1
DCY2
D1IN
D2IN
T1IN
T2IN
TQ1
TQ2
C1
100uF
C2
100uF
C3
100uF
C4
100uF
R1
10K
R2
R3
R4
Torque
SW1
Excitation SW2
M1_CTL
M2_CTL
R13
150
R14
R17
R15
R19
R24
R23
R26
ExtENABLE
ExtDIR
ExtCLK
IC1
PC817
IC4
IC5
IC6
74HC14
U3A
U3B
U3C
U3D
U3E
U3F
ENABLE
DIR
CLK
C11
100uF
U5
TB6560AHQ
CLK
ENABLE
CW/CCW
TQ1
TQ2
M1
M2
DCY1
DCY2
RESET
OSC
OUT_AP
OUT_AM
NFA
OUT_BP
OUT_BM
NFB
MO
PROTECT
R32
0.29
R33
0.29
C12
10u
C14
330pF
D3
D4
D5
D6
D7
Power
Enable
CLK
Back
Forward
R9 10K
R10 10K
R11 10K
R12 10K
R5 10K
R6 10K
D1
D2
Initial State
Protect
R7
R8
510
R18
R16
R20
R25
R27
R28
C8
100uF
ExtReset
ExtM1
ExtM2
R?
180
Pavel Ruban http://pavelruban.org
Sheet: /
File: stepper.sch
Title: Single Stepper Motor Driver TB6560AHQ
Size: A4
Date: 2016-11-07
Rev: 0.01
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