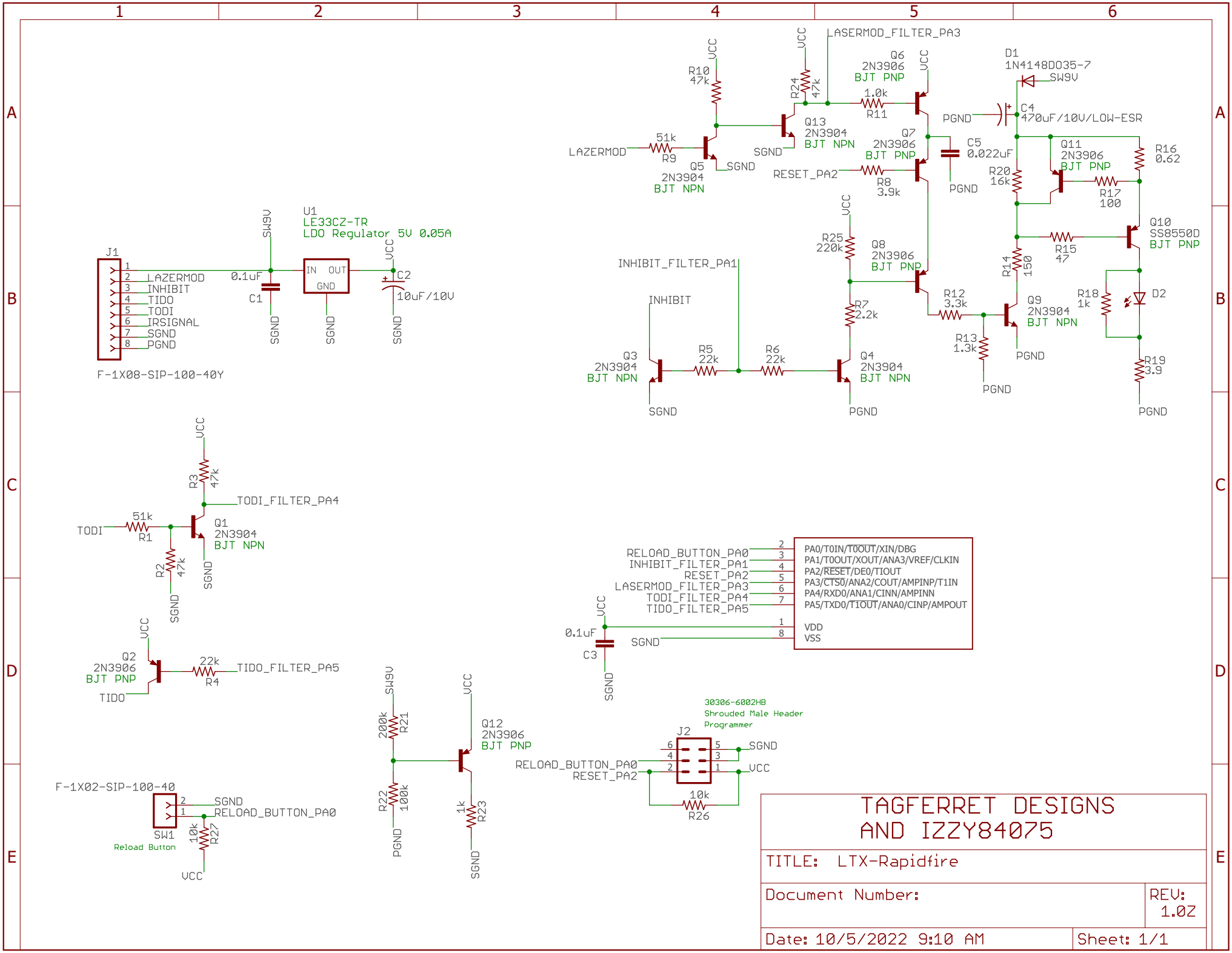
TAGFERRET DESIGNS
AND IZZY84075
TITLE: LTX-Rapidfire
Document Number:
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Date: 10/5/2022 9:10 AM
Sheet: 1/1
J1
F-1X08-SIP-100-40Y
LAZERMOD
INHIBIT
TIDO
TODI
IRSIGNAL
SGND
PGND
SW9V
0.1uF
C1
U1
LE33CZ-TR
LDO Regulator 5V 0.05A
IN OUT
GND
VCC
C2
10uF/10V
R10
47k
R24
47k
LASERMOD_FILTER_PA3
Q6
2N3906
BJT PNP
1.0k
R11
Q13
2N3904
BJT NPN
51k
R9
Q5
2N3904
BJT NPN
D1
1N4148D035-7
C4
470uF/10V/LOW-ESR
Q7
2N3906
BJT PNP
C5
0.022uF
RESET_PA2
R8
3.9k
Q11
2N3906
BJT PNP
R16
0.62
R20
16k
R17
100
Q10
SS8550D
BJT PNP
R15
47
R25
220k
Q8
2N3906
BJT PNP
INHIBIT_FILTER_PA1
INHIBIT
R7
2.2k
R12
3.3k
R14
150
Q9
2N3904
BJT NPN
R18
1k
D2
R13
1.3k
Q3
2N3904
BJT NPN
R5
22k
R6
22k
Q4
2N3904
BJT NPN
R19
3.9
TODI_FILTER_PA4
R3
47k
TODI
51k
R1
Q1
2N3904
BJT NPN
R2
47k
Q2
2N3906
BJT PNP
22k
R4
TIDO_FILTER_PA5
TIDO
RELOAD_BUTTON_PA0
INHIBIT_FILTER_PA1
RESET_PA2
LASERMOD_FILTER_PA3
TODI_FILTER_PA4
TIDO_FILTER_PA5
PA0/T0IN/T0OUT/XIN/DBG
PA1/T0OUT/XOUT/ANA3/VREF/CLKIN
PA2/RESET/DE0/TIOUT
PA3/CTS0/ANA2/COUT/AMPINP/T1IN
PA4/RXD0/ANA1/CINN/AMPINN
PA5/TXD0/TIOUT/ANA0/CINP/AMPOUT
VDD
VSS
0.1uF
C3
F-1X02-SIP-100-40
SW1
Reload Button
10k
R27
200k
R21
R22
100k
Q12
2N3906
BJT PNP
1k
R23
30306-6002HB
Shrouded Male Header
Programmer
J2
10k
R26