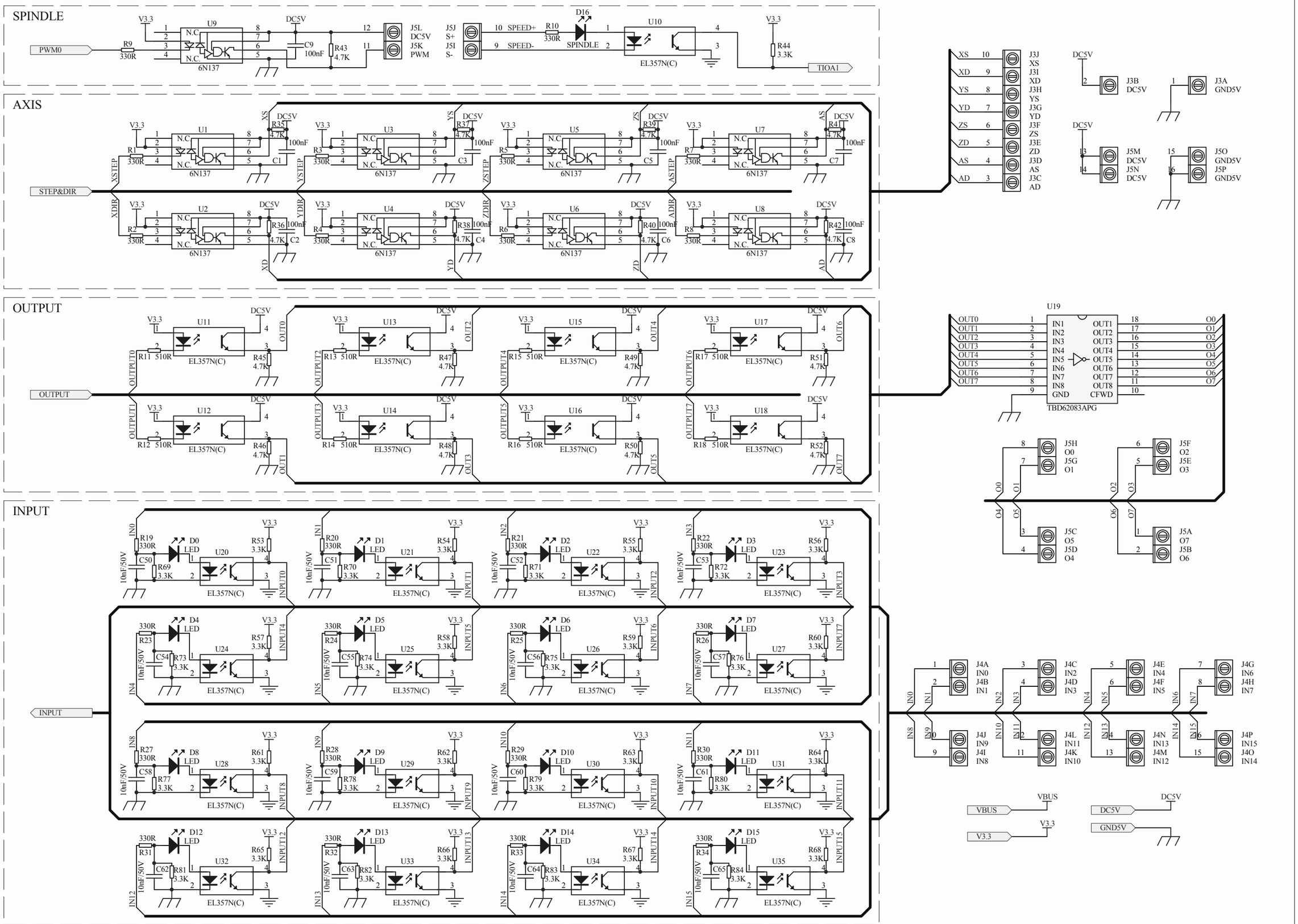
SPINDLE
PWM0
R9 330R
U9 6N137
V3.3
DC5V
C9 100nF
R43 4.7K
J5L DC5V
J5K PWM
J5J S+
J5I S-
SPEED+
SPEED-
R10 330R
D16
SPINDLE
U10 EL357N(C)
R44 3.3K
TIOA1
AXIS
STEP&DIR
XSTEP
XDIR
YSTEP
YDIR
ZSTEP
ZDIR
ASTEP
ADIR
U1 U2 U3 U4 U5 U6 U7 U8
R35 R36 R37 R38 R39 R40 R41 R42
C1 C2 C3 C4 C5 C6 C7 C8
J3J XS
J3I XD
J3H YS
J3G YD
J3F ZS
J3E ZD
J3D AS
J3C AD
J3B DC5V
J3A GND5V
J5M DC5V
J5N DC5V
J5O GND5V
J5P GND5V
OUTPUT
U11 U12 U13 U14 U15 U16 U17 U18
R11 R12 R13 R14 R15 R16 R17 R18 510R
R45 R46 R47 R48 R49 R50 R51 R52 4.7K
EL357N(C)
U19 TBD62083APG
J5H O0
J5G O1
J5F O2
J5E O3
J5C O5
J5D O4
J5A O7
J5B O6
INPUT
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15
LED
R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 330R
R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 3.3K
C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 10nF/50V
R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 3.3K
U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35
J4A IN0
J4B IN1
J4C IN2
J4D IN3
J4E IN4
J4F IN5
J4G IN6
J4H IN7
J4J IN9
J4I IN8
J4L IN11
J4K IN10
J4N IN13
J4M IN12
J4P IN15
J4O IN14
VBUS
DC5V
V3.3
GND5V