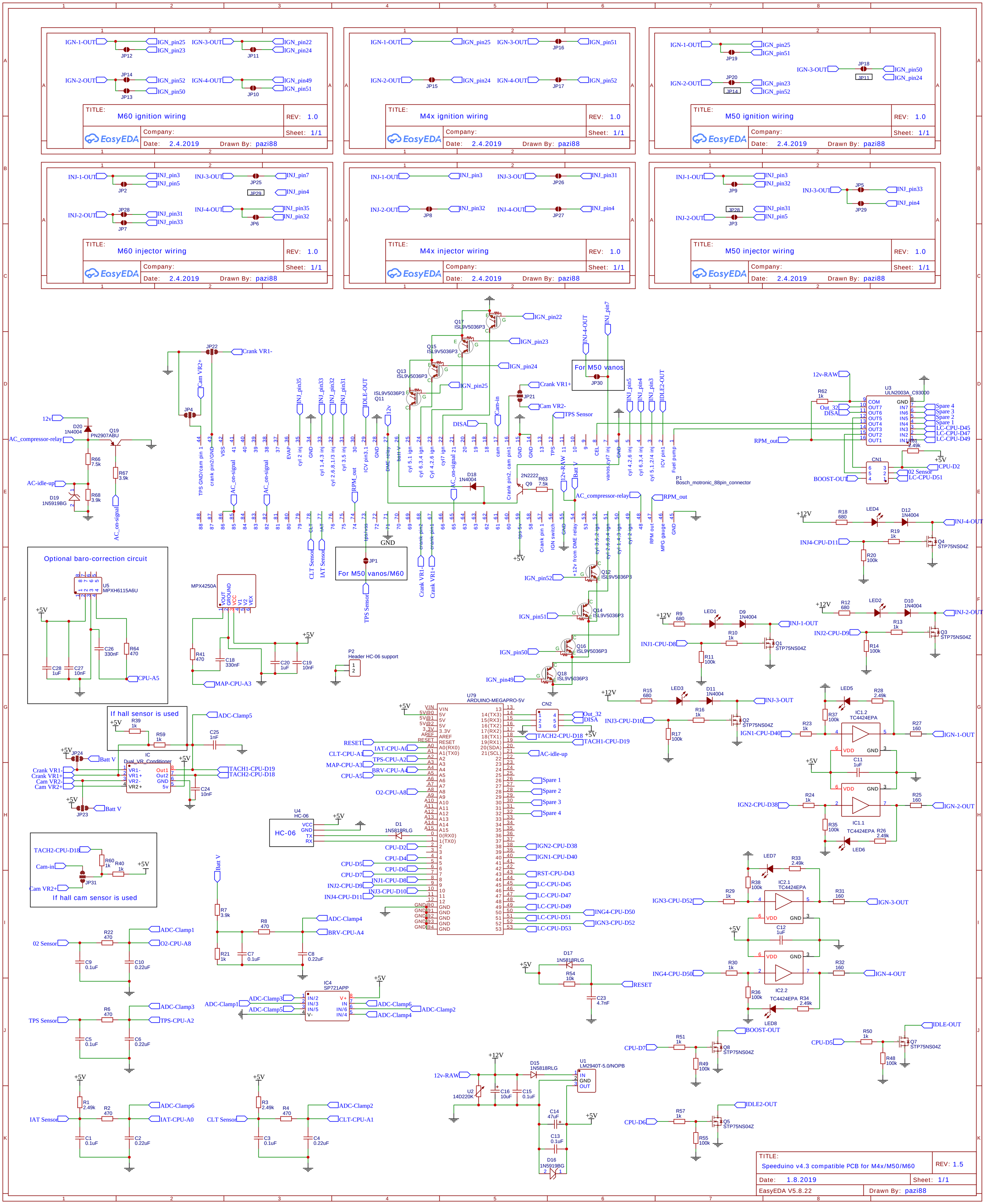
M60 ignition wiring
M4x ignition wiring
M50 ignition wiring
M60 injector wiring
M4x injector wiring
M50 injector wiring
Speeduino v4.3 compatible PCB for M4x/M50/M60
Date: 2.4.2019
Drawn By: pazi88
REV: 1.0
REV: 1.5
Sheet: 1/1
Date: 1.8.2019
EasyEDA V5.8.22
Company:
For M50 vanos
For M50 vanos/M60
Optional baro-correction circuit
If hall sensor is used
If hall cam sensor is used
U3 ULN2003A_C93000
U79 ARDUINO-MEGAPRO-5V
U4 HC-06
IC Dual_VR_Conditioner
IC4 SP721APP
IC1.1 TC4424EPA
IC1.2 TC4424EPA
IC2.1 TC4424EPA
IC2.2 TC4424EPA
U1 LM2940T-5.0/NOPB
U5 MPXH6115A6U
MPX4250A
P1 Bosch_motronic_88pin_connector
P2 Header HC-06 support
CN1
CN2
Q17 ISL9V5036P3
Q15 ISL9V5036P3
Q13 ISL9V5036P3
Q11 ISL9V5036P3
Q12 ISL9V5036P3
Q14 ISL9V5036P3
Q16 ISL9V5036P3
Q18 ISL9V5036P3
Q9 2N2222
Q19 PN2907ABU
Q1 STP75NS04Z
Q2 STP75NS04Z
Q3 STP75NS04Z
Q4 STP75NS04Z
Q5 STP75NS04Z
Q7 STP75NS04Z
Q8 STP75NS04Z
D18 1N4004
D19 1N5919BG
D20 1N4004
D1 1N5818RLG
D15 1N5818RLG
D16 1N5919BG
D17 1N5818RLG
U2 14D220K
C23 4.7nF
C24 10nF
C25 1nF
C26 330nF
C27 10nF
C28 1uF
R66 7.5k
R67 3.9k
R68 3.9k
R64 470
R41 470
R18 680
R19 1k
R20 100k
R9 680
R10 1k
R11 100k
R12 680
R13 1k
R14 100k
R15 680
R16 1k
R17 100k
R23 1k
R24 1k
R25 160
R27 160
R28 2.49k
R31 160
R32 160
R33 2.49k
R34 2.49k
R35 100k
R36 100k
R37 100k
R38 100k
R48 100k
R49 100k
R50 1k
R51 1k
R55 100k
R57 1k
R62 1k
R61 2.49k
R39 1k
R59 1k
R60 1k
R40 1k
R7 3.9k
R8 470
R21 1k
R22 470
R6 470
R1 2.49k
R2 470
R3 2.49k
R4 470
R54 10k
C11 1uF
C12 1uF
C13 0.1uF
C14 47uF
C15 0.1uF
C16 10uF
C18 330nF
C19 10nF
C20 1uF
C1 0.1uF
C2 0.22uF
C3 0.1uF
C4 0.22uF
C5 0.1uF
C6 0.22uF
C7 0.1uF
C8 0.22uF
C9 0.1uF
C10 0.22uF
JP1
JP2
JP3
JP4
JP5
JP6
JP7
JP8
JP9
JP10
JP11
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JP16
JP17
JP18
JP19
JP20
JP21
JP22
JP23
JP24
JP25
JP26
JP27
JP28
JP29
JP30
JP31
12v
12v-RAW
AC_compressor-relay
AC-idle-up
Crank VR1-
Crank VR1+
Cam VR2-
Cam VR2+
Cam-in
TPS Sensor
CLT Sensor
IAT Sensor
02 Sensor
MAP-CPU-A3
CPU-A5
CPU-D2
CPU-D5
CPU-D6
CPU-D7
BOOST-OUT
RPM_out
Batt V
ADC-Clamp1
ADC-Clamp2
ADC-Clamp3
ADC-Clamp4
ADC-Clamp5
ADC-Clamp6
TACH1-CPU-D19
TACH2-CPU-D18
TACH1-CPU-D19
IGN-1-OUT
IGN-2-OUT
IGN-3-OUT
IGN-4-OUT
INJ-1-OUT
INJ-2-OUT
INJ-3-OUT
INJ-4-OUT
IDLE-OUT
IDLE2-OUT
Out_32
DISA
Spare 1
Spare 2
Spare 3
Spare 4
LC-CPU-D45
LC-CPU-D47
LC-CPU-D49
LC-CPU-D51
LC-CPU-D53
RST-CPU-D43
ING4-CPU-D50
IGN3-CPU-D52
IGN2-CPU-D38
IGN1-CPU-D40
INJ4-CPU-D11
INJ3-CPU-D10
INJ2-CPU-D9
INJ1-CPU-D8
IAT-CPU-A0
CLT-CPU-A1
TPS-CPU-A2
BRV-CPU-A4
O2-CPU-A8
RESET
+5V
+12V
GND