IC3
7805T
VI VO GND
C3 10µ
C1 100nF
C2 100nF
GND
+5V1
IC5
7808T
C6 10µ
C4 100nF
C5 100nF
LT1021-5
OPT V+ TRM GND VO
C40 10µ
C41 100nF
8V
D2 1N4004
X5
IC8
7815T
C10 10µ
C8 100nF
C9 100nF
GND GNDA
JP21-1
JP21-2
JP21-3
R9
JP17
JP18
X2
X3
D11
D10
D8
R34 15,9k
R35 49
R31 15,9k
C29 10nF
C30 10nF
IC10A
IC10B
TL062D
R29 10k
R30 2,5k
R32 10k
R24 2,5k
C37 100pF
C38 100pF
JP19
JP20
AGND
IC2
PIC18F4620455
MCLR\VPP/RE3
RA0/AN0
RA1/AN1
RA2/AN2/VREF-/CVREF
RA3/AN4/VREF+
RA4/T0CKI/CIOUT
RA5/AN4/SS\/HLVDIN/C2OUT
RE0/RD/AN5
RE1/WR/AN6
RE2/CS/AN7
VDD
VSS
OSC1/CLKI/RA7
OSC2/CLKO/RA6
RC0/T1OSO/T13CKI
RC1/T1OSI/CCP2
RC2/CCP1/P1A
RC3/SCK/SCL
RD0/PSP0
RD1/PSP1
RB7/BKI3/PGD
RB6/KBI2/PGC
RB5/KBI1/PGM
RB4/KBI0/AN11
RB3/AN9/CCP2
RB2/INT2/AN8
RB1/INT1/AN10
RB0/INT0/FLT0/AN12
VDD
VSS
RD7/SPP7/P1D
RD6/SPP6/P1C
RD5/SPP5/P1B
RD4/PSP4
RC7/RX/DT
RC6/TX/CK
RC5/SDO
RC4/SDI/SDA
RD3/PSP3
RD2/PSP2
JP15
JP16
Q1 4-40pF
C7 15pF
C6 15pF
R1 25
R2 10k
R4 10k
R5 10k
R6 10k
R7 10k
T5 BC547
T4 BC547
T3 BC547
T2 BC547
R12
R11
R10
R8
LOCH1
LOCH2
LOCH3
C43 10µ
C42 100nF
JP22
IC11
7805T
C15 10µ
C16 100nF
C31 100nF
C32 100nF
C33 10µ
X1
Vin
D6
D7
C12 100nF
C13 10µF
C14 100nF
C17 10µF
C11 10nF
R16 5k
R17 5k
R18 55
R19 49
R26 50
C24 4pF
C18 100nF
C25 100nF
JP5
JP1
JP3
IC4
AD8099
R25 1k
R27 1k
C22 10nF
R20 20
R40 0-20k
C19 10µF
C23 100nF
C20 100nF
C21 10µF
C35 10µF
C34 100nF
C36 100nF
R28 10k
R23 1k
R22 20
R37 20
R21 2k
C27 10µF
C26 100nF
D5 LM4040
IC9P
IC9A
IC9B
74F74
PRE D CLK CLR Q Q\
IC12
P1
4040D
RES Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12
JP14
JP4
JP2
JP6 1:2
JP7 1:4
JP8 1:8
JP9 1:16
JP10 1:32
JP11 1:64
JP12 1:128
JP13
R3 10k
R38 10k
C44 10µ
C39 100nF
MAX535
FB SCLK REF DIN GND CS VDD OUT
MAX5352
IC7A
LM1458N
C46 10µ
C41 100nF
R14
C47 10µF
R15
X4
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