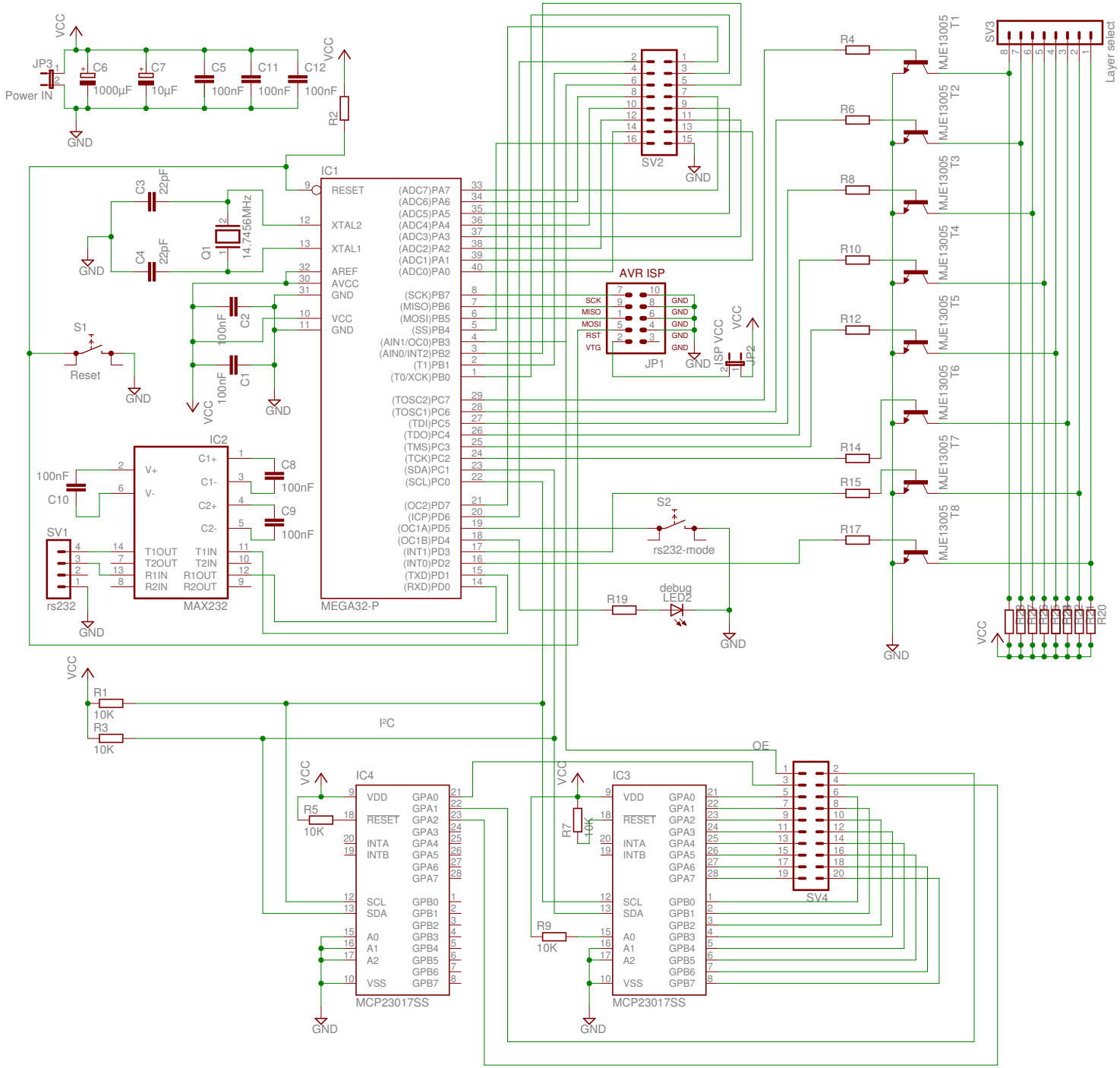
VCC
JP3
Power IN
C6
1000µF
C7
10µF
C5
100nF
C11
100nF
C12
100nF
GND
R2
IC1
RESET
XTAL2
XTAL1
AREF
AVCC
GND
VCC
GND
(ADC7)PA7
(ADC6)PA6
(ADC5)PA5
(ADC4)PA4
(ADC3)PA3
(ADC2)PA2
(ADC1)PA1
(ADC0)PA0
(SCK)PB7
(MISO)PB6
(MOSI)PB5
(SS)PB4
(AIN1/OC0)PB3
(AIN0/INT2)PB2
(T1)PB1
(T0/XCK)PB0
(TOSC2)PC7
(TOSC1)PC6
(TDI)PC5
(TDO)PC4
(TMS)PC3
(TCK)PC2
(SDA)PC1
(SCL)PC0
(OC2)PD7
(ICP)PD6
(OC1A)PD5
(OC1B)PD4
(INT1)PD3
(INT0)PD2
(TXD)PD1
(RXD)PD0
MEGA32-P
C3
22pF
C4
22pF
Q1
14.7456MHz
C2
100nF
C1
100nF
S1
Reset
SV2
AVR ISP
SCK
MISO
MOSI
RST
VTG
JP1
ISP VCC
JP2
IC2
V+
V-
C1+
C1-
C2+
C2-
T1OUT
T2OUT
R1IN
R2IN
T1IN
T2IN
R1OUT
R2OUT
MAX232
C8
100nF
C9
100nF
C10
100nF
SV1
rs232
S2
rs232-mode
R19
debug
LED2
R4
R6
R8
R10
R12
R14
R15
R17
MJE13005
T1
T2
T3
T4
T5
T6
T7
T8
SV3
Layer select
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R20
R1
10K
R3
10K
I²C
OE
IC4
VDD
RESET
INTA
INTB
SCL
SDA
A0
A1
A2
VSS
GPA0
GPA1
GPA2
GPA3
GPA4
GPA5
GPA6
GPA7
GPB0
GPB1
GPB2
GPB3
GPB4
GPB5
GPB6
GPB7
MCP23017SS
R5
10K
IC3
R7
10K
R9
10K
SV4