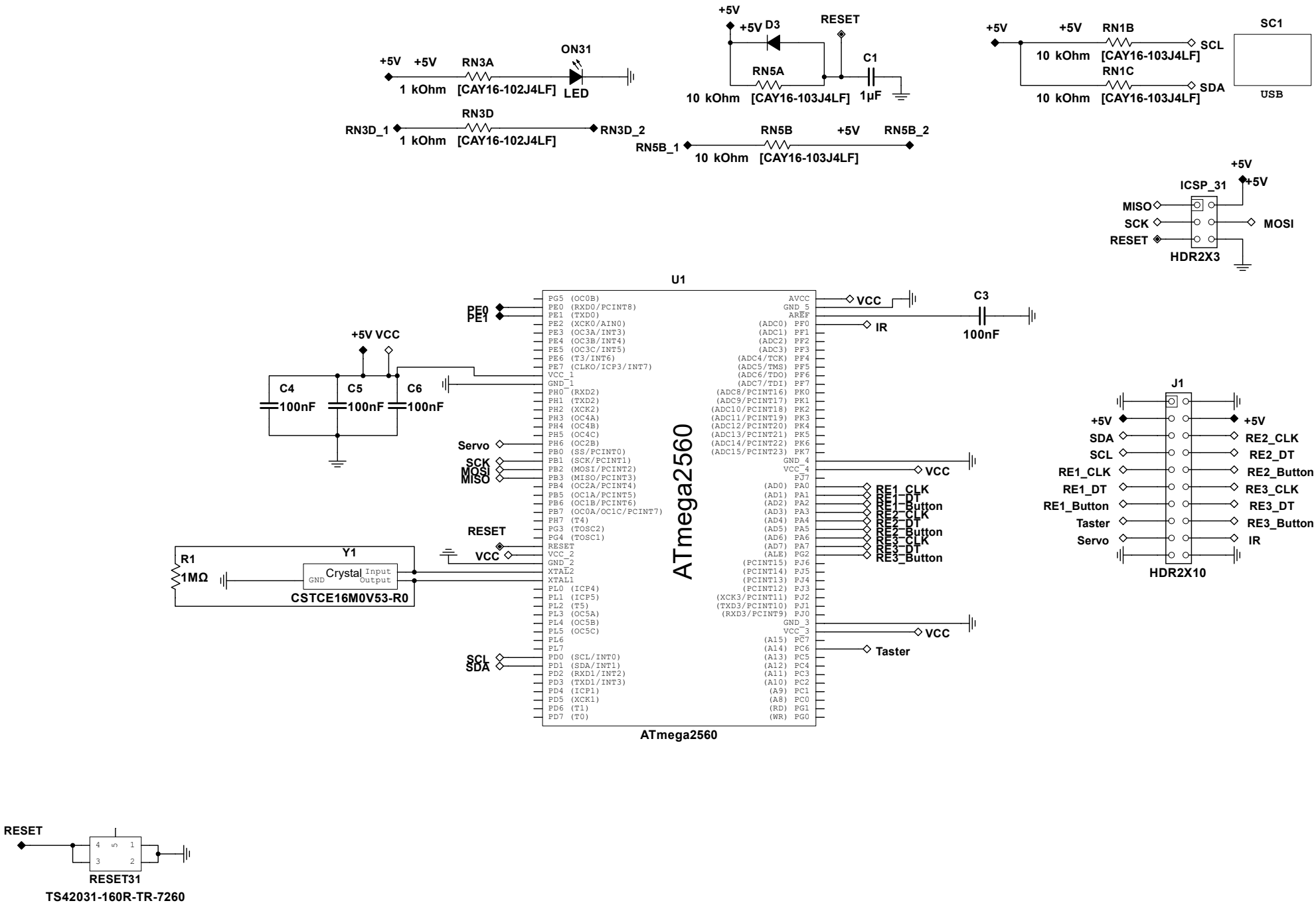
+5V
+5V
RN3A
1 kOhm
[CAY16-102J4LF]
ON31
LED
+5V
+5V
D3
RESET
RN5A
10 kOhm
[CAY16-103J4LF]
C1
1µF
+5V
+5V
RN1B
10 kOhm
[CAY16-103J4LF]
SCL
RN1C
10 kOhm
[CAY16-103J4LF]
SDA
SC1
USB
RN3D
RN3D_1
1 kOhm
[CAY16-102J4LF]
RN3D_2
RN5B
+5V
RN5B_1
10 kOhm
[CAY16-103J4LF]
RN5B_2
+5V
+5V
ICSP_31
MISO
SCK
RESET
MOSI
HDR2X3
U1
PE0
PE1
+5V VCC
C4
100nF
C5
100nF
C6
100nF
Servo
SCK
MOSI
MISO
RESET
VCC
Y1
R1
1MΩ
GND
Crystal
Input
Output
CSTCE16M0V53-R0
SCL
SDA
PG5 (OC0B)
PE0 (RXD0/PCINT8)
PE1 (TXD0)
PE2 (XCK0/AIN0)
PE3 (OC3A/INT3)
PE4 (OC3B/INT4)
PE5 (OC3C/INT5)
PE6 (T3/INT6)
PE7 (CLKO/ICP3/INT7)
VCC_1
GND_1
PH0 (RXD2)
PH1 (TXD2)
PH2 (XCK2)
PH3 (OC4A)
PH4 (OC4B)
PH5 (OC4C)
PH6 (OC2B)
PB0 (SS/PCINT0)
PB1 (SCK/PCINT1)
PB2 (MOSI/PCINT2)
PB3 (MISO/PCINT3)
PB4 (OC2A/PCINT4)
PB5 (OC1A/PCINT5)
PB6 (OC1B/PCINT6)
PB7 (OC0A/OC1C/PCINT7)
PH7 (T4)
PG3 (TOSC2)
PG4 (TOSC1)
RESET
VCC_2
GND_2
XTAL2
XTAL1
PL0 (ICP4)
PL1 (ICP5)
PL2 (T5)
PL3 (OC5A)
PL4 (OC5B)
PL5 (OC5C)
PL6
PL7
PD0 (SCL/INT0)
PD1 (SDA/INT1)
PD2 (RXD1/INT2)
PD3 (TXD1/INT3)
PD4 (ICP1)
PD5 (XCK1)
PD6 (T1)
PD7 (T0)
ATmega2560
AVCC
GND_5
AREF
(ADC0) PF0
(ADC1) PF1
(ADC2) PF2
(ADC3) PF3
(ADC4/TCK) PF4
(ADC5/TMS) PF5
(ADC6/TDO) PF6
(ADC7/TDI) PF7
(ADC8/PCINT16) PK0
(ADC9/PCINT17) PK1
(ADC10/PCINT18) PK2
(ADC11/PCINT19) PK3
(ADC12/PCINT20) PK4
(ADC13/PCINT21) PK5
(ADC14/PCINT22) PK6
(ADC15/PCINT23) PK7
GND_4
VCC_4
PJ7
(AD0) PA0
(AD1) PA1
(AD2) PA2
(AD3) PA3
(AD4) PA4
(AD5) PA5
(AD6) PA6
(AD7) PA7
(ALE) PG2
(PCINT15) PJ6
(PCINT14) PJ5
(PCINT13) PJ4
(PCINT12) PJ3
(XCK3/PCINT11) PJ2
(TXD3/PCINT10) PJ1
(RXD3/PCINT9) PJ0
GND_3
VCC_3
(A15) PC7
(A14) PC6
(A13) PC5
(A12) PC4
(A11) PC3
(A10) PC2
(A9) PC1
(A8) PC0
(RD) PG1
(WR) PG0
VCC
IR
C3
100nF
VCC
RE1_CLK
RE1_DT
RE1_Button
RE2_CLK
RE2_DT
RE2_Button
RE3_CLK
RE3_DT
RE3_Button
VCC
Taster
J1
+5V
SDA
SCL
RE1_CLK
RE1_DT
RE1_Button
Taster
Servo
+5V
RE2_CLK
RE2_DT
RE2_Button
RE3_CLK
RE3_DT
RE3_Button
IR
HDR2X10
RESET
RESET31
TS42031-160R-TR-7260