MyHome Controller v 1.1

U2 — ATMEGA328PB

Pin	Name		Name	Pin	Label
4	VCC		PC0/ADC0/PCINT8	23	A0
6	VCC		PC1/ADC1/PCINT9	24	A1
18	AVCC		PC2/ADC2/PCINT10	25	A2
			PC3/ADC3/PCINT11	26	A3
20	AREF		PC4/ADC4/SDA/PCINT12	27	A4 (SDA)
			PC5/ADC5/SCL/PCINT13	28	A5 (SCL)
19	ADC6		PC6/RESET/PCINT14	29	RESET
22	ADC7				
12	PB0/PCINT0/CLKO/ICP1		PD0/RXD/PCINT16	30	D0 (RX)
13	PB1/PCINT1/OC1A		PD1/TXD/PCINT17	31	D1 (TX)
14	PB2/PCINT2/SS/OC1B		PD2/INT0/PCINT18	32	D2
15	PB3/PCINT3/OC2A/MOSI		PD3/PCINT19/OC2B/INT1	1	D3
16	PB4/PCINT4/MISO		PD4/PCINT20/XCK/T0	2	D4
17	PB5/SCK/PCINT5		PD5/PCINT21/OC0B/T1	9	D5
7	PB6/PCINT6/XTAL1/TOSC1		PD6/PCINT22/OC0A/AIN0	10	D6
8	PB7/PCINT7/XTAL2/TOSC2		PD7/PCINT23/AIN1	11	D7
			PE0	3	PE0
			GND	5	GND
			GND	21	GND

Left side labels: VCC (4), PE1 (6), VCC (18), AREF (20), A6 (PE2) (19), A7 (PE3) (22), D8 (NVCC) (12), D9 (CE) (13), D10 (CS) (14), D11 (MOSI) (15), D12 (MISO) (16), D13 (SCK) (17), Vin, GND

GND (3)

C5
0.1

U3 — XT6202P332MP
Vin (3) — Vin — Vout (1) — VCC
Adj/Gnd
C3 1.0
C4 1.0
GND

U1 — NRF24L01 SMD

Label	Pin	Name
D8 (NVCC)	1	VCC
GND	2	GND
D9 (CE)	3	CE
D10 (CS)	4	CS
D13 (SCK)	5	SCK
D11 (MOSI)	6	MOSI
D12 (MISO)	7	MISO
	8	IRQ

C2
0.1
GND

R1
0
D2

C1
RESET
D1 (TX)
D0 (RX)
Vin
GND

XP1
1
2
3
4
5

XS1
Label	Pin
A0	1
A1	2
A2	3
GND	4
Vin	5
A3	6
A4 (SDA)	7
A5 (SCL)	8

XS2
Label	Pin
D2	1
D3	2
D4	3
GND	4
Vin	5
D5	6
D6	7
D7	8

XS3
Label	Pin
A6 (PE2)	1
A7 (PE3)	2
PE0	3

XS4
Label	Pin
PE1	1
PB6	2
PB7	3

GND

R2
10K

S1
1
2

GND

RESET
VCC