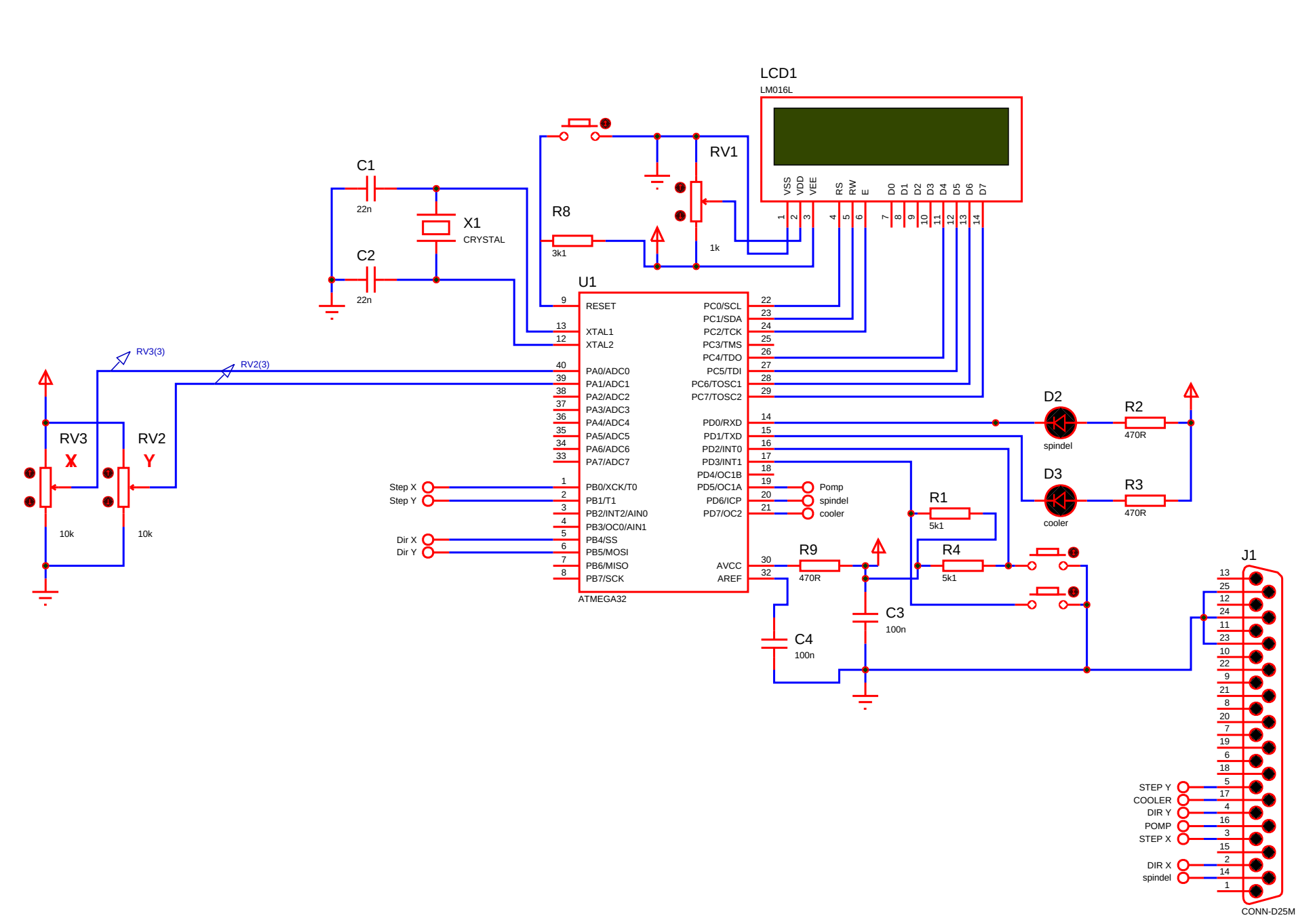
LCD1
LM016L
VSS
VDD
VEE
RS
RW
E
D0
D1
D2
D3
D4
D5
D6
D7
RV1
1k
C1
22n
C2
22n
X1
CRYSTAL
R8
3k1
U1
RESET
XTAL1
XTAL2
PA0/ADC0
PA1/ADC1
PA2/ADC2
PA3/ADC3
PA4/ADC4
PA5/ADC5
PA6/ADC6
PA7/ADC7
PB0/XCK/T0
PB1/T1
PB2/INT2/AIN0
PB3/OC0/AIN1
PB4/SS
PB5/MOSI
PB6/MISO
PB7/SCK
ATMEGA32
PC0/SCL
PC1/SDA
PC2/TCK
PC3/TMS
PC4/TDO
PC5/TDI
PC6/TOSC1
PC7/TOSC2
PD0/RXD
PD1/TXD
PD2/INT0
PD3/INT1
PD4/OC1B
PD5/OC1A
PD6/ICP
PD7/OC2
AVCC
AREF
RV3(3)
RV2(3)
RV3
X
RV2
Y
10k
10k
Step X
Step Y
Dir X
Dir Y
Pomp
spindel
cooler
D2
spindel
D3
cooler
R2
470R
R3
470R
R1
5k1
R4
5k1
R9
470R
C3
100n
C4
100n
J1
STEP Y
COOLER
DIR Y
POMP
STEP X
DIR X
spindel
CONN-D25M