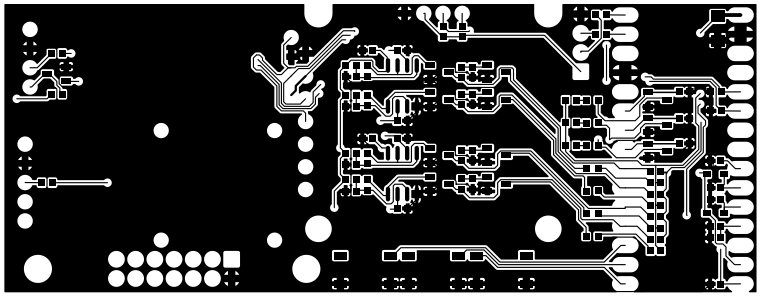
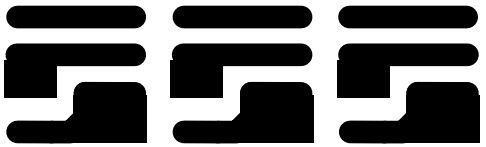
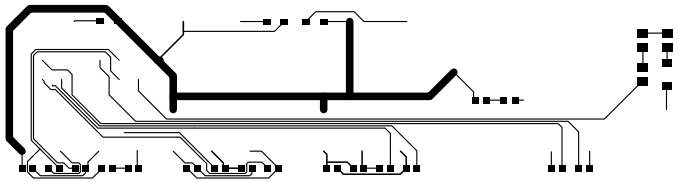
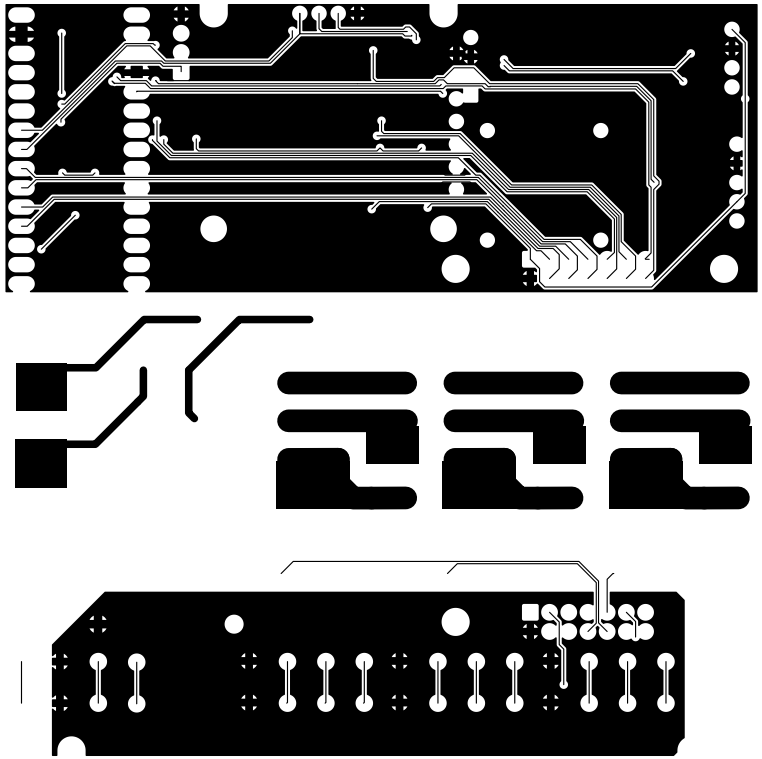
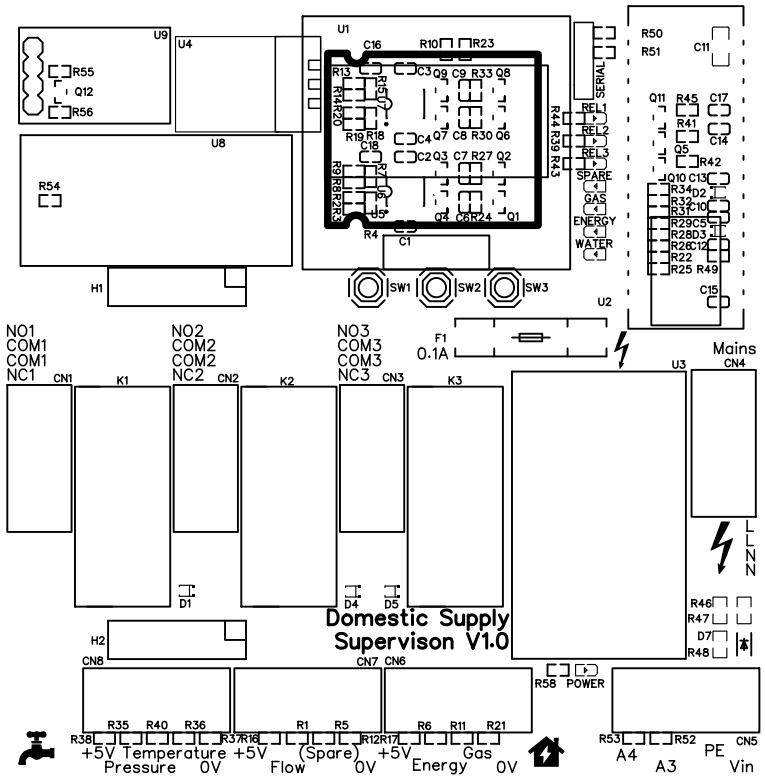
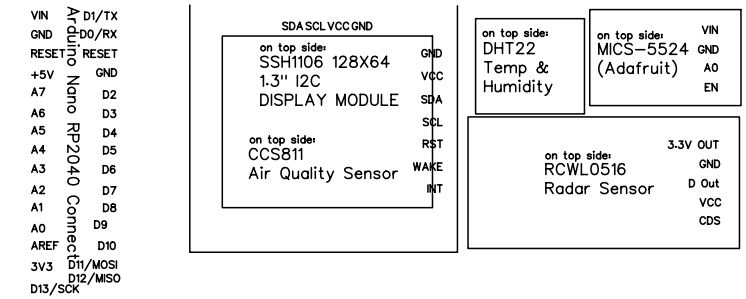


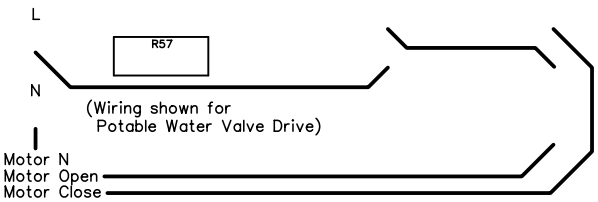


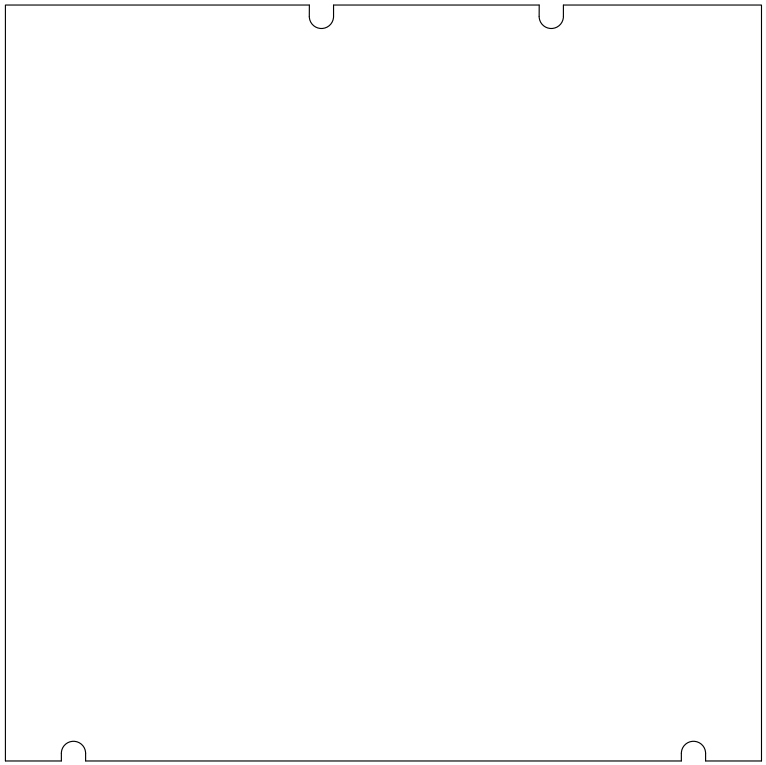


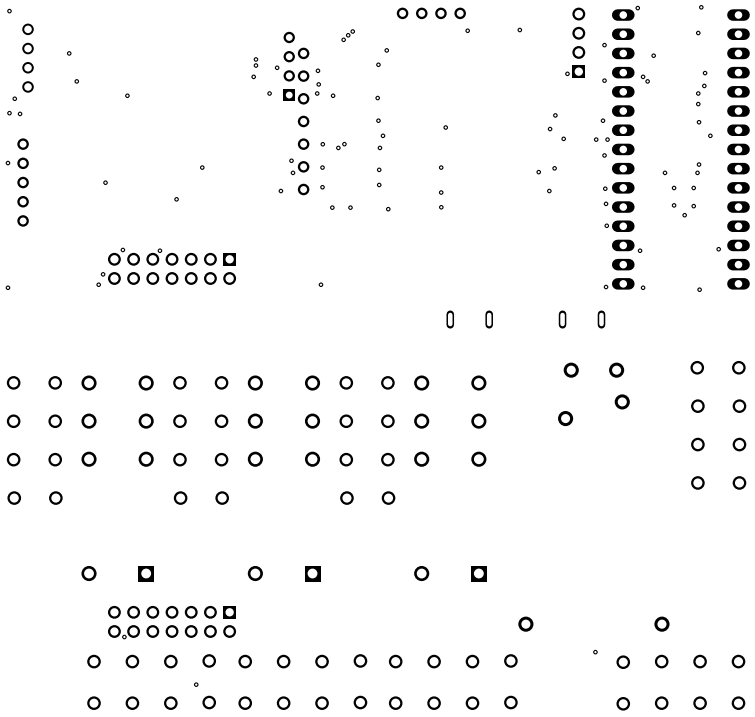



U9
U4
U8
U1
R55
Q12
R56
R54
H1
SW1
SW2
SW3
SERIAL
REL1
REL2
REL3
SPARE
GAS
ENERGY
WATER
U2
F1
0.1A
Mains
U3
CN4
NO1
COM1
COM1
NC1
CN1
K1
NO2
COM2
COM2
NC2
CN2
K2
NO3
COM3
COM3
NC3
CN3
K3
D1
D4
D5
H2
Domestic Supply
Supervison V1.0
CN8
CN7
CN6
R58
POWER
R46
R47
D7
R48
R35
R40
R36
R38
R37
R16
R1
R5
R12
R17
R6
R11
R21
R53
R52
CN5
+5V
Pressure
Temperature
0V
+5V
Flow
(Spare)
0V
+5V
Energy
Gas
0V
A4
A3
PE
Vin


Arduino Nano RP2040 Connect
VIN
GND
RESET
+5V
A7
A6
A5
A4
A3
A2
A1
A0
AREF
3V3
D13/SCK
D1/TX
D0/RX
RESET
GND
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11/MOSI
D12/MISO
SDA SCL VCC GND
on top side:
SSH1106 128X64
1.3" I2C
DISPLAY MODULE
on top side:
CCS811
Air Quality Sensor
GND
VCC
SDA
SCL
RST
WAKE
INT
on top side:
DHT22
Temp &
Humidity
on top side:
MICS-5524
(Adafruit)
VIN
GND
A0
EN
on top side:
RCWL0516
Radar Sensor
3.3V OUT
GND
D Out
VCC
CDS


L
R57
N
(Wiring shown for
Potable Water Valve Drive)
Motor N
Motor Open
Motor Close





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TITLE: Domestic_Supply_Supervision		REV: 1.0
EasyEDA	Company: https://github.com/GormR	Sheet:
	Date: 2022-02-06 Drawn By: GoRoNb	

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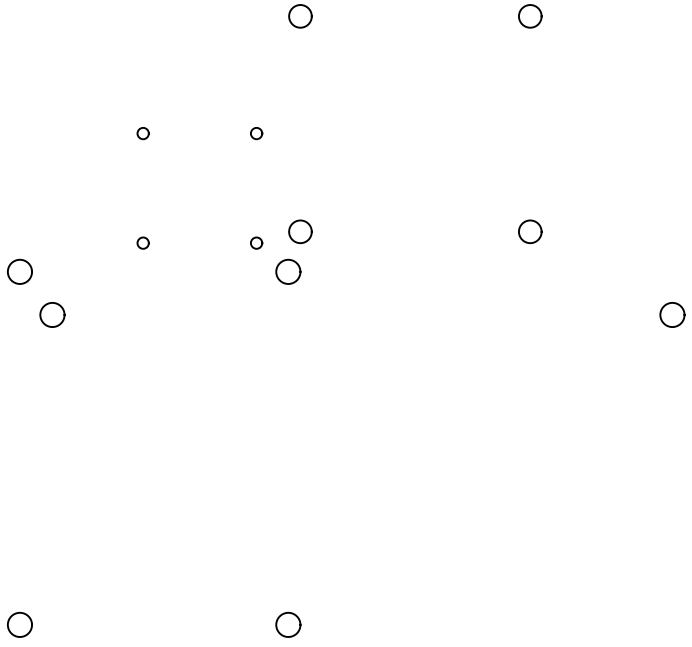
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