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SENSOR\_IN\_1

D17

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SENSOR\_IN\_2

D19

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SENSOR\_IN\_3

D21

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SENSOR\_IN\_4

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SENSOR\_IN\_5

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D24

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Analog Sensor Inputs

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SENSOR\_IN\_302

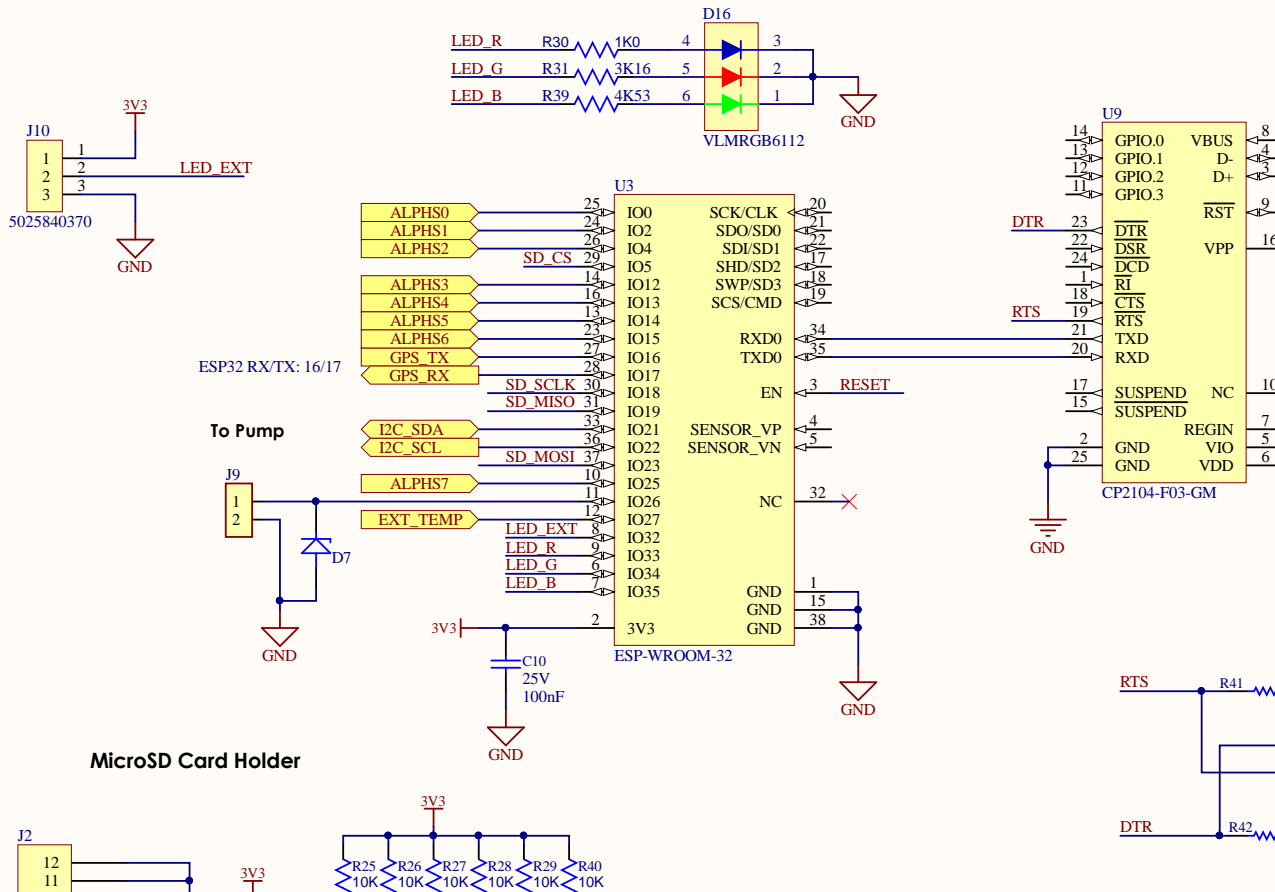
SENSOR\_IN\_303

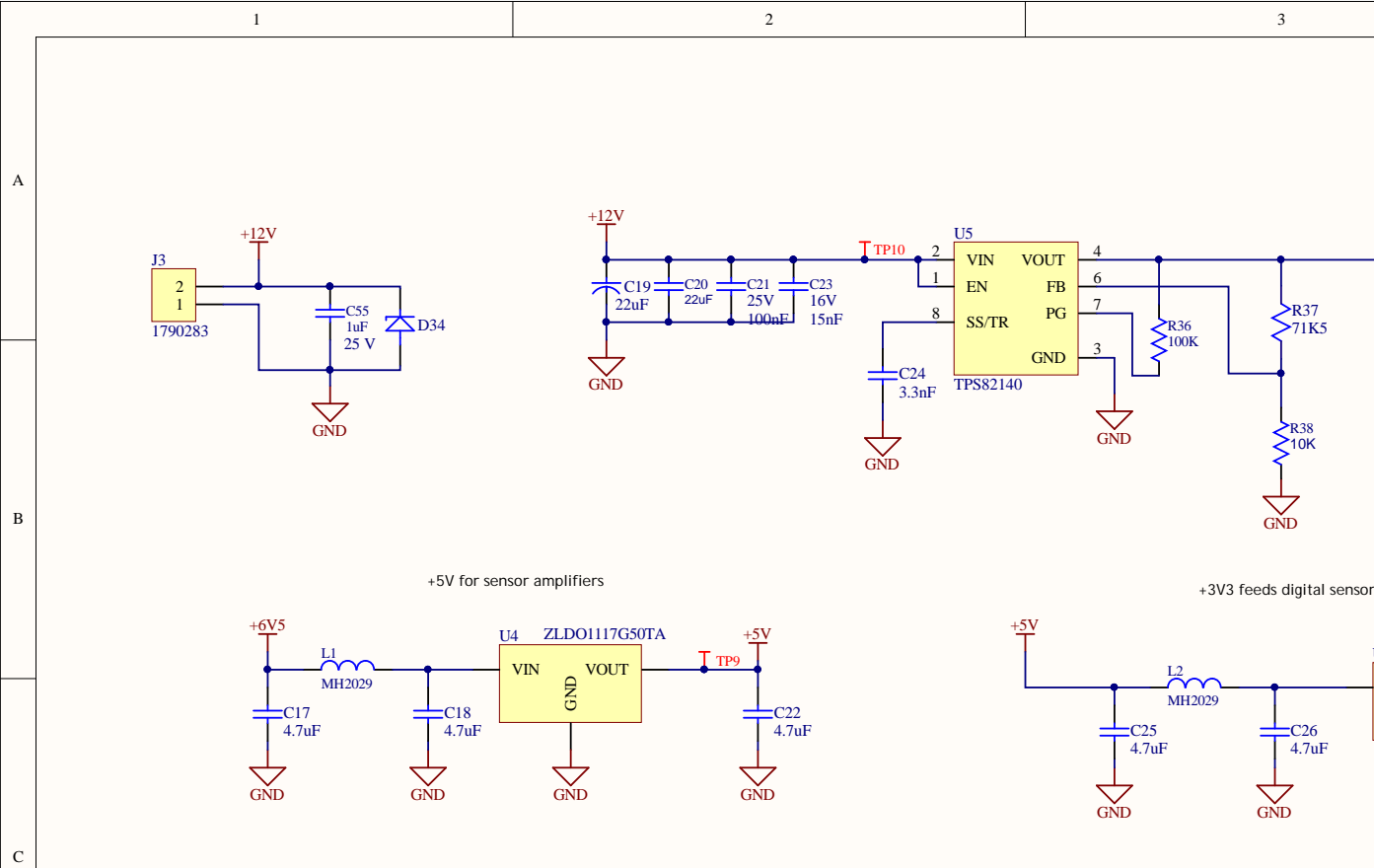
SENSOR\_IN\_304

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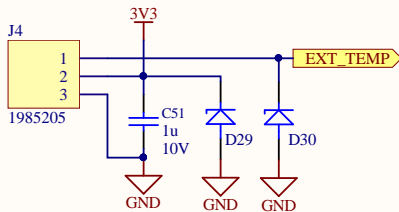
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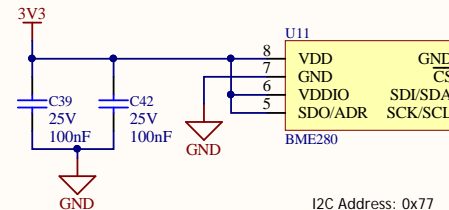


## External DS18B20 Digital Temp Sensor

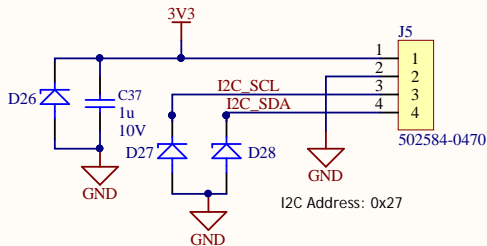


Layout note: place on thermally isolated island

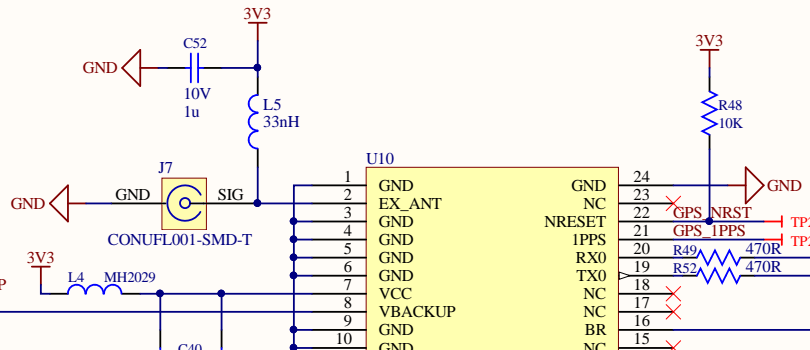
## BME280 Pressure, Humidity, Temp



## External HIH6120-021-001 Digital RH Sensor



Layout Note: 50 Ohm impedance matched trace



# VAMoS

## Remote Gas Monitoring System

Logocom Labs -- Revision 0.00

ESP32-WROOM-32U  
MCU A ESP32-WROOM-32U.SchDoc

GPS\_RX  
GPS\_TX  
EXT\_TEMP  
I2C\_SDA  
I2C\_SCL

Sensors  
Sensors.SchDoc

GPS\_RX  
GPS\_TX  
EXT\_TEMP  
I2C\_SDA  
I2C\_SCL

Electro-Chemical Sensors  
Amplifiers.SchDoc

ALPHS0  
ALPHS1  
ALPHS2  
ALPHS3  
ALPHS4  
ALPHS5  
ALPHS6  
ALPHS7

ALPHS0  
ALPHS1  
ALPHS2  
ALPHS3  
ALPHS4  
ALPHS5  
ALPHS6  
ALPHS7

Power Supply  
Power Supply.SchDoc

No Signal Ports