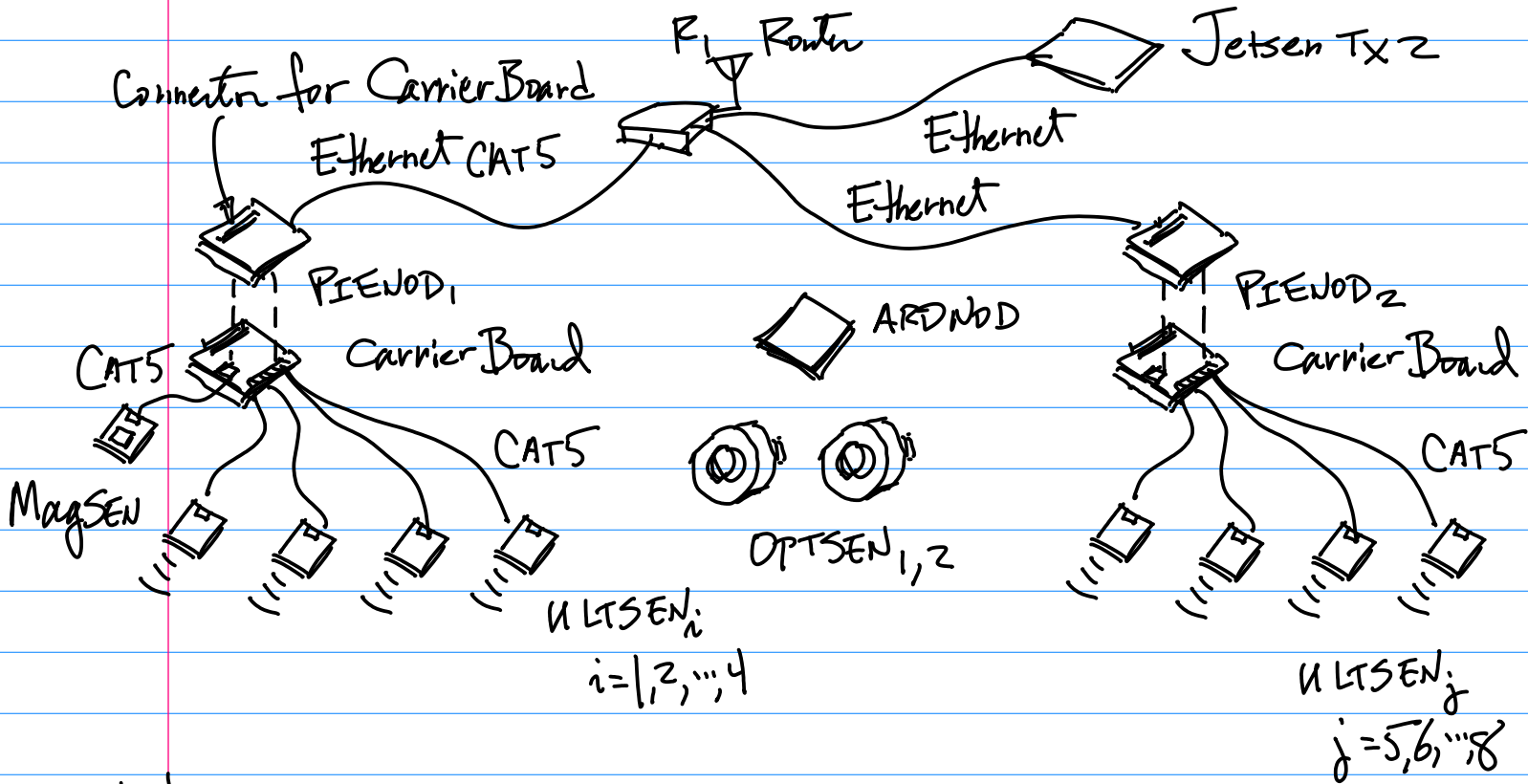


April 2nd, 2021

Approximity Sensors / LSM303 Magnetometer (1)  
 UltraSound Sensors (8) Sensor



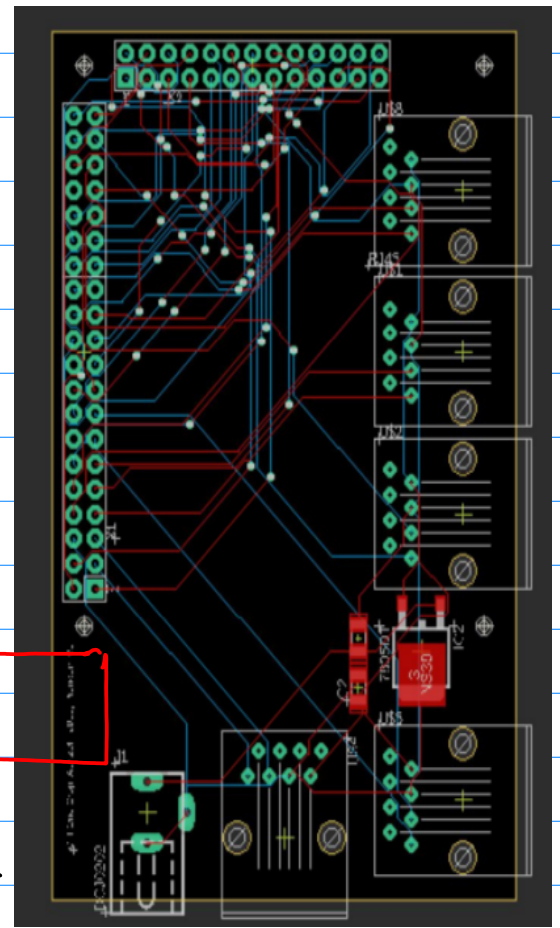
Note: 5 RJ45 Connectors  
 for Sensors I/F Per Pie Node

2. PIENOD<sub>2</sub> does not have MagSEN.

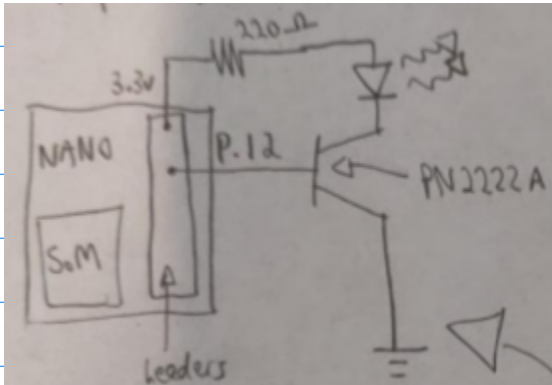
Ref: 3projects/30-agv/agv2000  
 102 Sensors

3. OPTSEN I/F to UNO (ARDNOD) Terminal Block  
 UART 9600 bps

Task 1 (OPTSEN): Migration from  
 UNO to Pie UART I/F;  
 Modify Carrier Board to have  
 RJ45 Connector / OR Terminal Block



Jetson NANO GPIO79 maps  
to physical Pin12 on the Connector



Pie3B+, GPIO14 (Pin8)

Pie3B+	GPP Pin8
Pie4	GPP Pin7 (GPIO4) Pin11 (GPIO17) Pin6 GND, Pin1 3.3V
NANO	GPP Pin12 (GPIO79) Pin2 Vcc (5V?) Pin33 (GPP) Pin6 GND, Pin17 (3.3V)

JETSON NANO PWM

