Apriland, 2021

Approximity Sensors (8) Sensor

Whasound Sensors (8) Sensor

Connected for Carrier Board

Ethernet CATS

R Route

Jetsen TXZ

Ethernet

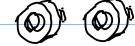
PIENODI

Carrier Board

, ARDNOD

Carrier Board

Magsen



OPTSEN 1,2

1=1,7,1,4

ULTSEN;

j=5,6;"8

Note: 5 PJ45 Connectors

for Sensors I/F Per Pie Node

Z. PIENODZ does not have MagsEN.

Ref: 3prijects/3-0-agv/agv2000 11025ensors

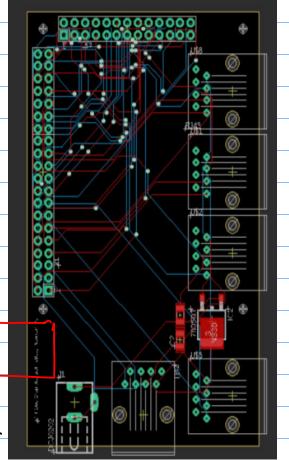
3. OPTSEN I/F to UNO (ARDNOD) Terminal
UART 9 boo bps

Block

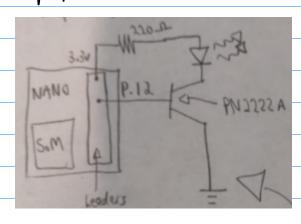
Task I (OPTSEN): Migration from

UND to Pie LIART I/F;

Modify Carrier Doard to have RT45 Connector/OR Terminal Block



Jetson NANO GPIO79 Maps to physical Pin 12 on the Connector



Pie3B+ GPID14 (Pin8)

Pie 3B+	GPP Pin8
Piey	GPP PINT (GPIO4) PIN 11 (GPIO17)
	Pin 11 (GPI017)
	Pinb GND Pin 13.3V
NANO	GPP Pin 12 (GPI079)
	PinZ, Vcc(5V?) Pin33 (GPP)
	Pin33 (GPP)
	Pinb GND Pin 17 3.3V

JETSON NAND PWM

