

RFID Card Reader

Photon/Argon/Xenon Pin Assignments

Bob Glicksman; 7/15/19

LCD Wiring:

<u>LCD</u>		<u>Particle</u>
VSS	--	GND
VDD	--	+3.3 volts
V0	--	10K ohm pot wiper
RS	--	A0
RW	--	GND
E	--	A1
D0	--	N/C
D1	--	N/C
D2	--	N/C
D3	--	N/C
D4	--	A2
D5	--	A3
D6	--	D5
D7	--	D6
A	--	+3.3 volts
K	--	GND

PN532 Breakout Board Wiring:

<u>Breakout</u>		<u>Particle</u>
5V	--	VIN (Photon); VUSB (3 rd Gen)

GND	--	GND
3.3V	--	N/C
SDA/TXD	--	D0 (5.6K pullup to 3.3V)
SCL/RXD	--	D1 (5.6K pullup to 3.3V)
IRQ	--	D3

DIP Switches: SEL1 = OFF (L); SEL0 = ON (H)

LED and Buzzer Wiring.

Buzzer	--	Photon D2
Ready LED	--	Photon D4
Admit LED	--	Photon A4
Reject LED	--	Photon A5