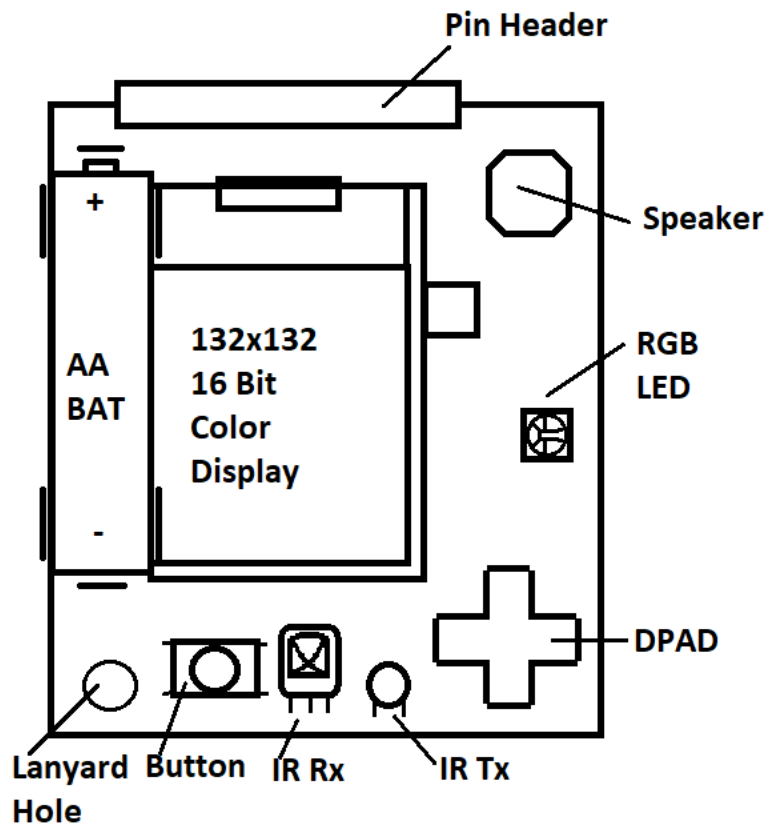# Hack.RVA Badge (Datasheet)

Processor:
    PIC32MX270F256D

Display:
    132x132 16 Bit Color

Power:
    USB Through Header
    AA Battery

WARNING!

DO NOT PLUG BATTERY
AND USB IN AT SAME
TIME!

Inputs:
    Main button and four
    buttons under DPAD

Header Pinout (Right to Left)

PIC32 Pin	Badge Service	PIC32 Pin Name
35	FLAIR LED	RA9
36		RC3
38		RC5
39		Vss
GND	USB	N/A
8		RB10
9		RB11
PWR (5V)		N/A
GND	Not Used	N/A
11		RB13
19	PICkit3 Prog. Pins	RA0
18		MCLR
PWR (3.3V)		N/A
GND		N/A
12		RA10
13		See PIC Data Sheet

Development Info

Github Repo:

https://github.com/HackRVA/badge2019interp

Development Environment:

Compiler:
    Microchip XC32

Compatible OS For Dev Tools Written:
    Linux 4.x or greater

Docker Dev Environment Available in Repo

Manufactured at HackRVA, RICHMOND VA

Revision: 05182019