You will need to obtain the signature of your instructor or TA on the following items in order to receive credit for your lab assignment. Print your name below, sign the honor code pledge, circle your course number, and then demonstrate your working hardware & firmware in order to obtain the necessary signatures.	
Student Name: Dhiray Bernadi	
Honor Code Pledge: "On my honor, as a University of Colorado student, I have neither given nor received unauthorized assistance on this work. I have clearly acknowledged work that is not my own."	
Student Signature:	Allens
Signoff Checklist  Part I Florents	
Part 1 Elements  Schematic of acceptable quality (all components shown)  Pins and signals labeled, decoupling capacitors, and two 28-pin  Very good knowledge of a terminal emulator  Demonstrates all 32KB of XRAM in memory map are function.  Using PAULMON2, demonstrates highest baud rate as: 576	al, including monitor block fill command
Knows how to use SDCC [IDE or make optional]	10/16/21
	TA signature and date
Part 2 Elements  Knows how to analyze output files (.RST, .MEM, .MAP) for correct addresses  C serial program and virtual debug port functional and code commented  Hex display of buffer contents  TA signature and date	
Part 3 Required and Supplemental Elements  Required ARM code integration and execution  8051 PWM control works correctly, X2 mode  Correctly enters Idle mode and exits via external interrupt 1  Correctly enters Power Down mode  All other PCA software menu items function correctly — NOT  Good understanding of PCA modes  Good user interface; program is easy to use  Instructor/TA Comments:	7 implemented
FOR INSTRUCTOR USE ONLY Part 1 and 2 Elements  Not Below Applicable Expectation	Meets Exceeds n Requirements Requirements Outstanding
Schematics, SPLD code  Hardware physical implementation  Part 1 Required Elements functionality  Sign-off done without excessive retries  Student understanding and skills  Overall Demo Quality (Part 2 elements)	
FOR INSTRUCTOR USE ONLY Part 3 Elements  Not Below Applicable Expectation	Meets Exceeds on Requirements Requirements Outstanding
Part 3 Required Elements functionality Supplemental Elements functionality Student understanding and skills Overall Demo Quality (Part 3 elements)	

## **Comments:**

☐ Optional Challenge: PAULMON2 RUN command

Optional Challenge: ISP API calls

Optional Challenge: C and Assembly interfacing

Optional Challenge: Serial ISR

Optional Challenge: SDCC heap memory management analysis

# + Good GUI # Bandrate 57600 Janctional - Debug Post vogic for G to be veryfied + Part 2 functions as expected - Buffer deallocation not executed

- Buffer deallocation not executed

(Deallocation works, only display,

- Buffer O print on ?" repeats - Buffer I and Buffer 2 attocation It label pins on board.

It haput to be echoed back on QUI # Buffer 2 allocated even though crosses 5000. # Extra Suffer (Invalid Size ) allocated. # If Buffer deallocated, by to dealloc again crashes the system. # Dehug port logic arelyses Screen captures to be added supplemental MSP: Very well implemented, included Kelvin, great period control, RGB not working # I'd use a timer to sext sample rate for temp sampling senal ISA challenge: + Nice visual analysis & Emita LED C+ Assembly challenge: + complete and working Heaf analysis challenge itsoftware implementation northing good understanding - PCA missing UI + Great Signol !