

Assignment 3 (100 points)

A. Questions

To answer the following questions, you need access to the MTK88S schematic diagram which is posted in the class note web page, next to this assignment.

1. Find the memory range for the 128KB SRAM (U2).
2. Find the memory range for the 32kB EPROM (U1). If there are multiple possible ranges, list them all.

B. Score Distribution and Scoring Rubric: Total points = 100

	#1 [40]	#2 [60]
60 pts		<u>All possible</u> correct address ranges, [lowest - Highest], in hex format <u>with</u> detailed bit patterns described.
40 pts	Correct address range, [lowest - Highest], in hex format <u>with</u> detailed bit patterns described.	<u>At least one</u> correct address range, [lowest - Highest], in hex format <u>with</u> detailed bit patterns described.
20 pts	Correct address range, [lowest - Highest], in hex format <u>without</u> detailed bit patterns described.	<u>No</u> correct address ranges, [lowest - Highest], in hex format <u>with</u> detailed bit patterns described.
10 pts	<u>Incorrect</u> address range, [lowest - Highest], in hex format <u>with</u> detailed bit patterns described.	<u>At least one</u> correct address range, [lowest - Highest], in hex format <u>without</u> detailed bit patterns described.
0 pt	No detailed bit pattern is described	No detailed pattern is described

C. Submission: Work on a paper or on word processing software or drawing application, and send me an electronic copy (file) of your work via email or Slack. Name your file as follows: **416Assign3_LastName.xxx** (xxx for file type, docx, doc, pdf, png, etc)

D. Submission due: 8:00pm Wednesday September 29, 2021

E. Extension Request of Submission: Usually granted upon request