**SERIAL COMMUNICATIONS USING THE 9S12 SPI AND A REALTIME
CLOCK**

WEEK 3

Pre-Lab

1. Draw a schematic for Part 1. Make sure you label the pin numbers on the DS 1302, and the corresponding pin numbers on the 9S12.

2. Determine the SPI format needed to talk to the DS 1302: clock polarity, clock phase, clock speed, MSB or LSB first.

3. Determine the sequence of commands to set the time on the DS 1302.

4. Write the program for Par 2 to set the time on the DS 1302.

5. Determine the sequence of commands to read the time from the DS 1302

6. Write the program for Part 3 to read the time from the DS 1302, and display it on the computer terminal.