```
// Restrictions
                     : none
// Algorithms
                     : none
// References
                     : none
// Revision History
                     : Initial version
extern void init spi lcd (void) {
   REG GCLK PCHCTRL19 = 0 \times 000000040;
                                   /* SERCOM1 core clock not enabled by default */
   ARRAY PORT PINCFG0[16] |= 1;
                               /* allow pmux to set PA16 pin configuration */
   ARRAY_PORT_PINCFG0[17] |= 1; /* allow pmux to set PA17 pin configuration */
   ARRAY PORT PINCFG0[18] |= 1; /* allow pmux to set PA18 pin configuration */
   ARRAY_PORT_PINCFG0[19] |= 1; /* allow pmux to set PA19 pin configuration */
   ARRAY PORT PMUX0[8] = 0x22;
                               /* PA16 = MOSI, PA17 = SCK */
   ARRAY PORT PMUX0[9] = 0x22;
                              /* PA18 = SS, PA19 = MISO */
   REG PORT DIRSET1 = 0x40;
                               /* RS output */
   REG SERCOM1 SPI CTRLA = 1;
                                      /* reset SERCOM1 */
   while (REG SERCOM1 SPI CTRLA & 1) {}
                                     /* wait for reset to complete */
   REG SERCOM1 SPI CTRLA = 0x3030000C;
                                       /* MISO-3, MOSI-0, SCK-1, SS-2, CPOL=1, CPHA=1 */
   REG SERCOM1 SPI CTRLB = 0 \times 00002000;
                                     /* Master SS, 8-bit */
                                      /* SPI clock is 4MHz/2 = 2MzHz */
   REG SERCOM1 SPI BAUD = 0;
   REG SERCOM1 SPI CTRLA |= 2;
                                     /* enable SERCOM1 */
}
//
// Function Name
                     : "lcd spi transmit CMD"
// Date
// Version
                     : 1.0
// Target MCU
                     : SAML21J18B
// Target Hardware
                     ; DOG LCD
// Author
                     : Brandon Cheung, Ishabul Haque
// DESCRIPTION
// Sends a single 8-bit value to the DOG LCD. Value seen as a command
```