Figure 5.1 (a)

//Make an char array of 8 elements

Char send\_data[8];

Int index;

BYTE transmit\_status;

Index = 0;

while(index < sizeof(send\_data)) {

//set DCB03FN as our dynamic configured block

DCB03FN = 0x0D; //set as transmit UART

//Configure and send in UART

UART\_Start(UART\_PARITY\_EVEN);

//polling - option 1

Transmit\_status = UART\_TX\_bReadTxStatus();

transmit \_status &= UART\_TX\_BUFFER\_EMPTY;

While (transmit \_status != UART\_TX\_BUFFER\_EMPTY) {

Transmit\_status = UART\_TX\_bReadTxStatus();

transmit \_status &= UART\_TX\_BUFFER\_EMPTY;

}

//Check here - instead of top few lines of polling

//While (!(UART\_TX\_bReadTxStatus() & UART\_TX\_BUFFER\_EMPTY);

UART\_TX\_SendData(send\_data[index]);

index++;

UART\_Stop();

//switch to SPI YAYYYY

//set DCB03FN as our dynamic configured block

DCB03FN = 0x06; //set as master SPI

SPIM\_Start (SPIM\_MODE\_0 | SPIM\_MSB\_FIRST);

While (!(SPIM\_bReadStatus() & SPIM\_TX\_BUFFER\_EMPTY));

SPIM\_SendTxData (send\_data[index]);

index++;

SPIM\_Stop();

}