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*****
*** C17 Sample Program BUG REPORT *****
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Registration No.      :C17_004_SampleProgram
Issue and revision   :Dec.27, 2016
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```
--- <Tool name / Object version> -----
I2C master sample program
I2C slave sample program
  S1C17M01/W22/W23 rev1.2
  S1C17589 rev1.2
```

```
--- <Content> -----
If the reception size is 1 byte, ACK is returned after receiving data.
Therefore, reception is not completed.
```

```
--- <Generation condition> -----
This occurs when 1 byte of data is received in the I2C sample program.
```

```
--- <Temporary Measures> -----
If the size of the data to be received is 1 byte, set the I2CnCTL.TXNACK bit
1 is written.
Modify the receiveI2cMstData () function and receiveI2cSlvData () function as follows.
```

```
(Error)
int receiveI2cMstData( unsigned char address, unsigned char *data, int size )
{
    int i;
    int nextLast = 0;
    unsigned char connect;
    int result;

    /// Set Start condition.
    setI2cMstStartCondition();
```

```
(Correct)
int receiveI2cMstData( unsigned char address, unsigned char *data, int size )
{
    int i;
    int nextLast = 0;
    unsigned char connect;
    int result;

    if(size == 1){
        I2COCTL_TXNACK = 1;
    }

    /// Set Start condition.
    setI2cMstStartCondition();
```

```
(Error)
int receiveI2cSlvData( unsigned char *data, int size )
{
    int i;
    int nextLast = 0;
    int result = I2C_SLV_STS_NG;

    /// Clear interrupt flags.
    clearI2cSlvInterruptFlag();
```

```
(Correct)
int receiveI2cSlvData( unsigned char *data, int size )
{
    int i;
    int nextLast = 0;
    int result = I2C_SLV_STS_NG;

    if(size == 1){
```

```
        I2COCTL_TXNACK = 1;
    }
    /// Clear interrupt flags.
    clearI2cSlvInterruptFlag();
```

--- <About the correction version> -----
Releasing a revised version soon.