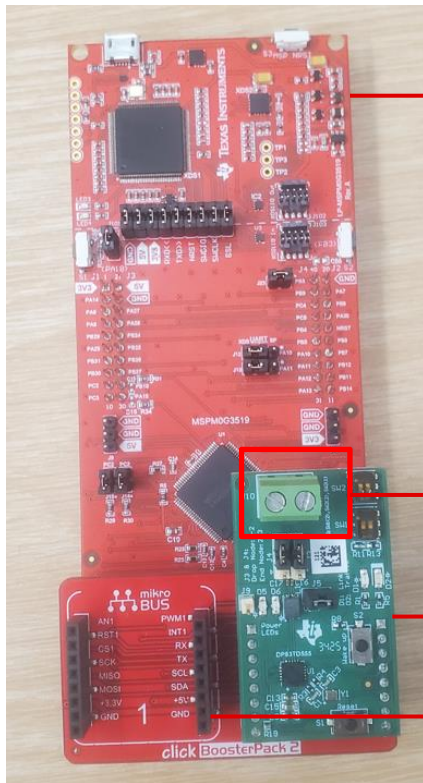


DP83TD555 & M0G3519 CLI Demo

25Q3

Hardware Setup



MSPM0G3519 Launchpad

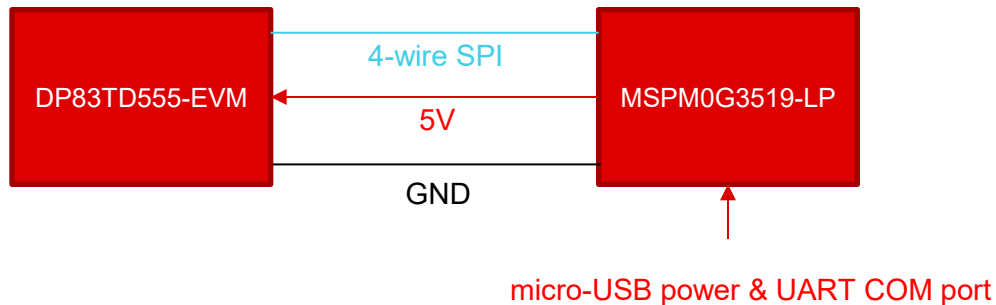
T1S Bus

DP83TD555EVM

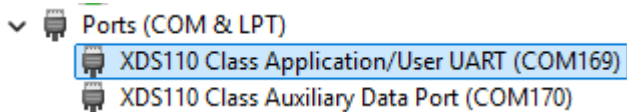
Click Booster Pack (4-wire SPI & Power)

System Diagram & COM Settings

DP83TD555 connected to MSPM0G3519-LP over SPI:



Windows COM Port:



Linux COM Port:
`/dev/ttyACM0`

COM169 or `ttyACM0` → Baud 115200 → New-line = LineFeed

Command Line Interface

Register read/write test case:

read 4 ca02 → returns 0x800

write 4 ca02 801

read 4 ca02 → returns 0x801

Data TX/RX test case:

Set Node 0 with ID0 → *write 4 ca02 0x800*

Set Node 1 with ID1 → *write 4 ca02 0x801*

Node 1 → *receive*

Node 2 → *transmit hello 4*

Node 1 → prints out received SPI data, including header, footer, and hex value of 'hello'

When adding more nodes to bus, ensure distinct node ID with 0xCA02 = 0x802, 0x803... , and drop node termination set on 555EVM

```
COM169 - Tera Term VT
File Edit Setup Control Window Help
help
Here are the available options:
1. read:      read <MMS> <ADDRESS>
2. write:     write <MMS> <ADDRESS> <DATA>
3. transmit:  transmit <MESSAGE> <NO OF BYTES>
4. receive:   receive
5. LED control: LED Control
6. dump:      dump
7. throughput:
   -receive:   throughput-r
   -transmit:  throughput-t
> read 4 ca02
Reading from MMS: 4, Address: ca02

DATA RECEIVED FROM REGISTER READ (1):0x0000800
> █
```

