

| Transfer | F | Control | ADDR | ENDP | bRequest       | wValue                      | wIndex | Descriptors   | Time Stamp       |
|----------|---|---------|------|------|----------------|-----------------------------|--------|---------------|------------------|
| 1231     | S | GET     | 4    | 0    | GET_DESCRIPTOR | CONFIGURATION type, Index 0 | 0x0000 | 3 Descriptors | 23 . 656 415 316 |

| Transaction | F | SETUP | ADDR | ENDP | T | D    | TP | R | bRequest | wValue | wIndex | wLength | ACK  | Time Stamp       |
|-------------|---|-------|------|------|---|------|----|---|----------|--------|--------|---------|------|------------------|
| 777728      | S | 0xB4  | 4    | 0    | 0 | D->H | S  | D | 0x06     | 0x0200 | 0x0000 | 27      | 0x4B | 23 . 656 415 316 |

|     |         |        |   |          |       |      |      |      |            |                   |            |                  |
|-----|---------|--------|---|----------|-------|------|------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  | H<br>↓ | F | Sync     | SETUP | ADDR | ENDP | CRC5 | EOP        | Pkt Len           | Idle       | Time Stamp       |
|     | 1580075 |        | S | 00000001 | 0xB4  | 4    | 0    | 0x14 | 250.000 ns | 35 Bits (5 Bytes) | 333.330 ns | 23 . 656 415 316 |

| Ch0 | Packet  | H | D | F | Sync | DATA0 | Data                    | CRC16  | EOP        | Pkt Len            | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|-------|-------------------------|--------|------------|--------------------|------------|------------------|
|     | 1580076 |   |   | S |      | 0xC3  | 80 06 00 02 00 00 1B 00 | 0x4525 | 250.000 ns | 99 Bits (13 Bytes) | 234.000 ns | 23 . 656 418 566 |

|     |         |                                                                                     |   |          |      |            |                   |            |                  |
|-----|---------|-------------------------------------------------------------------------------------|---|----------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  |  D | F | Sync     | ACK  | EOP        | Pkt Len           | Time       | Time Stamp       |
|     | 1580077 |                                                                                     | S | 00000001 | 0x4B | 266.660 ns | 20 Bits (3 Bytes) | 237.782 us | 23 . 656 427 050 |

| Transaction | F | IN   | ADDR | ENDP | T | Data     | ACK  | Time Stamp       |
|-------------|---|------|------|------|---|----------|------|------------------|
| 777729      | S | 0x96 | 4    | 0    | 1 | 27 bytes | 0x4B | 23 . 656 664 832 |

| Ch0 | Packet  | H | D | F | Sync | IN   | ADDR | ENDP | CRC5 | EOP        | Pkt Len           | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|------|------|------|------|------------|-------------------|------------|------------------|
|     | 1580079 |   |   | S |      | 0x96 | 4    | 0    | 0x14 | 250.000 ns | 35 Bits (5 Bytes) | 233.330 ns | 23 . 656 664 832 |

| Ch0 | Packet  |  | D | F | Sync | DATA1 | Data                                                                                       | CRC16  | EOP        | Pkt Len             | Idle       | Time Stamp       |
|-----|---------|--|---|---|------|-------|--------------------------------------------------------------------------------------------|--------|------------|---------------------|------------|------------------|
|     | 1580080 |  |   | S |      | 0xD2  | 0: 09 02 1B 00 01 01 00 C0 4B 09 04 00 00 00 FE 01<br>16: 02 04 09 21 07 FF FF 00 04 10 01 | 0x6FCA | 250.000 ns | 255 Bits (32 Bytes) | 500.000 ns | 23 . 656 667 982 |

|     |         |             |   |          |      |            |                   |            |                  |
|-----|---------|-------------|---|----------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  | H<br>↓<br>S | F | Sync     | ACK  | EOP        | Pkt Len           | Time       | Time Stamp       |
|     | 1580081 |             |   | 00000001 | 0x4B | 266.660 ns | 20 Bits (3 Bytes) | 225.368 us | 23 . 656 689 732 |

| Transaction | F | OUT  | ADDR | ENDP | T | Data    | ACK  | Time Stamp       |
|-------------|---|------|------|------|---|---------|------|------------------|
| 777730      | S | 0x87 | 4    | 0    | 1 | 0 bytes | 0x4B | 23 . 656 915 100 |

| Ch0 | Packet  | H | D | F | Sync | OUT  | ADDR | ENDP | CRC5 | EOP        | Pkt Len           | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|------|------|------|------|------------|-------------------|------------|------------------|
|     | 1580082 |   |   | S |      | 0x87 | 4    | 0    | 0x14 | 250.000 ns | 35 Bits (5 Bytes) | 333.330 ns | 23 . 656 915 100 |

| Ch0 | Packet  | H | D | F | Sync | DATA1 | Data | CRC16  | EOP        | Pkt Len           | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|-------|------|--------|------------|-------------------|------------|------------------|
|     | 1580083 |   |   | S |      | 0xD2  |      | 0x0000 | 250.000 ns | 35 Bits (5 Bytes) | 249.330 ns | 23 . 656 918 350 |

|     |         |                                                                                     |   |          |      |            |                   |            |                  |
|-----|---------|-------------------------------------------------------------------------------------|---|----------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  |  D | F | Sync     | ACK  | EOP        | Pkt Len           | Time       | Time Stamp       |
|     | 1580084 |                                                                                     | S | 00000001 | 0x4B | 250.000 ns | 19 Bits (3 Bytes) | 368.750 us | 23 . 656 921 516 |

| Transfer | F | Control | ADDR | ENDP | DFU   | bRequest       | Interface # | DFU Status                 | Poll TimeOut | DFU State | iString | Time Stamp       |
|----------|---|---------|------|------|-------|----------------|-------------|----------------------------|--------------|-----------|---------|------------------|
| 1232     | S | GET     | 4    | 0    | Class | DFU_GET_STATUS | 0           | No error condition present | 5            | Dfu Idle  | value=0 | 23 . 657 290 266 |

| Transaction | F | SETUP | ADDR | ENDP | T | D    | TP | R | bRequest | wValue | wIndex | wLength | ACK  | Time Stamp       |
|-------------|---|-------|------|------|---|------|----|---|----------|--------|--------|---------|------|------------------|
| 777731      | S | 0xB4  | 4    | 0    | 0 | D->H | C  | I | 0x03     | 0x0000 | 0x0000 | 6       | 0x4B | 23 . 657 290 266 |

| Ch0 | Packet  | <div>H<br/>↓<br/>S</div> | F | Sync     | SETUP | ADDR | ENDP | CRC5 | EOP        | Pkt Len           | Idle       | Time Stamp       |
|-----|---------|--------------------------|---|----------|-------|------|------|------|------------|-------------------|------------|------------------|
|     | 1580085 |                          | S | 00000001 | 0xB4  | 4    | 0    | 0x14 | 250.000 ns | 35 Bits (5 Bytes) | 333.330 ns | 23 . 657 290 266 |

| Ch0 | Packet  | H | D | F | Sync | DATA0 | Data                    | CRC16  | EOP        | Pkt Len            | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|-------|-------------------------|--------|------------|--------------------|------------|------------------|
|     | 1580086 |   |   | S |      | 0xC3  | A1 03 00 00 00 00 06 00 | 0x2207 | 250.000 ns | 99 Bits (13 Bytes) | 250.000 ns | 23 . 657 293 516 |

|     |         |                                                                                       |   |          |      |            |                   |            |                  |
|-----|---------|---------------------------------------------------------------------------------------|---|----------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  |  D | F | Sync     | ACK  | EOP        | Pkt Len           | Time       | Time Stamp       |
|     | 1580087 |                                                                                       | S | 00000001 | 0x4B | 250.000 ns | 19 Bits (3 Bytes) | 238.266 us | 23 . 657 302 016 |

| Transaction | F | IN   | ADDR | ENDP | T | Data    | ACK  | Time Stamp       |
|-------------|---|------|------|------|---|---------|------|------------------|
| 777732      | S | 0x96 | 4    | 0    | 1 | 6 bytes | 0x4B | 23 . 657 540 282 |

| Ch0 | Packet  | H | D | F | Sync | IN   | ADDR | ENDP | CRC5 | EOP        | Pkt Len           | Idle       | Time Stamp       |
|-----|---------|---|---|---|------|------|------|------|------|------------|-------------------|------------|------------------|
|     | 1580089 |   |   | S |      | 0x96 | 4    | 0    | 0x14 | 266.660 ns | 36 Bits (5 Bytes) | 234.660 ns | 23 . 657 540 282 |

| Ch0 | Packet  |  | D | F | Sync | DATA1 | Data              | CRC16  | EOP        | Pkt Len            | Idle       | Time Stamp       |
|-----|---------|--|---|---|------|-------|-------------------|--------|------------|--------------------|------------|------------------|
|     | 1580090 |  |   | S |      | 0xD2  | 00 05 00 00 02 00 | 0x4C21 | 250.000 ns | 83 Bits (11 Bytes) | 499.330 ns | 23 . 657 543 450 |

|     |         |                                                                                     |          |      |            |                   |            |                  |
|-----|---------|-------------------------------------------------------------------------------------|----------|------|------------|-------------------|------------|------------------|
| Ch0 | Packet  |  | Sync     | ACK  | EOP        | Pkt Len           | Time       | Time Stamp       |
|     | 1580091 |                                                                                     | 00000001 | 0x4B | 250.000 ns | 19 Bits (3 Bytes) | 240.934 us | 23 . 657 550 866 |

| Transaction | F | OUT  | ADDR | ENDP | T | Data    | ACK  | Time Stamp       |
|-------------|---|------|------|------|---|---------|------|------------------|
| 777733      | S | 0x87 | 4    | 0    | 1 | 0 bytes | 0x4B | 23 . 657 791 800 |

|             |         |         |      |          |       |                         |                   |                  |                     |                   |                  |                  |      |                  |
|-------------|---------|---------|------|----------|-------|-------------------------|-------------------|------------------|---------------------|-------------------|------------------|------------------|------|------------------|
| Ch0         | Packet  | H↓      | F    | Sync     | OUT   | ADDR                    | ENDP              | CRC5             | EOP                 | Pkt Len           | Idle             | Time Stamp       |      |                  |
|             | 1580092 |         |      | 00000001 | 0x87  | 4                       | 0                 | 0x14             | 266.660 ns          | 36 Bits (5 Bytes) | 316.660 ns       | 23 . 657 791 800 |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | DATA1 | Data                    | CRC16             | EOP              | Pkt Len             | Idle              | Time Stamp       |                  |      |                  |
|             | 1580093 |         |      | 00000001 | 0xD2  |                         | 0x0000            | 266.660 ns       | 36 Bits (5 Bytes)   | 232.660 ns        | 23 . 657 795 050 |                  |      |                  |
| Ch0         | Packet  | ↑D      | F    | Sync     | ACK   | EOP                     | Pkt Len           | Time             | Time Stamp          |                   |                  |                  |      |                  |
|             | 1580094 |         |      | 00000001 | 0x4B  | 250.000 ns              | 19 Bits (3 Bytes) | 619.416 us       | 23 . 657 798 216    |                   |                  |                  |      |                  |
| Transfer    | F       | Control | ADDR | ENDP     | DFU   | bRequest                | Bytes Transferred | Time Stamp       |                     |                   |                  |                  |      |                  |
| 1233        | S       | GET     | 4    | 0        | Class | Rsvd                    | 4                 | 23 . 658 417 632 |                     |                   |                  |                  |      |                  |
| Transaction | F       | SETUP   | ADDR | ENDP     | T     | D                       | TP                | R                | bRequest            | wValue            | wIndex           | wLength          | ACK  | Time Stamp       |
| 777734      | S       | 0xB4    | 4    | 0        | 0     | D->H                    | C                 | I                | 0x42                | 0x0023            | 0x0000           | 4                | 0x4B | 23 . 658 417 632 |
| Ch0         | Packet  | H↓      | F    | Sync     | SETUP | ADDR                    | ENDP              | CRC5             | EOP                 | Pkt Len           | Idle             | Time Stamp       |      |                  |
|             | 1580095 |         |      | 00000001 | 0xB4  | 4                       | 0                 | 0x14             | 266.660 ns          | 36 Bits (5 Bytes) | 316.660 ns       | 23 . 658 417 632 |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | DATA0 | Data                    |                   |                  |                     | CRC16             | EOP              | Pkt Len          | Idle |                  |
|             | 1580096 |         |      | 00000001 | 0xC3  | A1 42 23 00 00 00 04 00 | 0xC8EB            | 266.660 ns       | 100 Bits (13 Bytes) | 233.330 ns        | 23 . 658 420 882 |                  |      |                  |
| Ch0         | Packet  | ↑D      | F    | Sync     | ACK   | EOP                     | Pkt Len           | Time             | Time Stamp          |                   |                  |                  |      |                  |
|             | 1580097 |         |      | 00000001 | 0x4B  | 266.660 ns              | 20 Bits (3 Bytes) | 242.850 us       | 23 . 658 429 382    |                   |                  |                  |      |                  |
| Transaction | F       | IN      | ADDR | ENDP     | T     | Data                    |                   | ACK              | Time Stamp          |                   |                  |                  |      |                  |
| 777735      | S       | 0x96    | 4    | 0        | 1     | 4 bytes                 |                   | 0x4B             | 23 . 658 672 232    |                   |                  |                  |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | IN    | ADDR                    | ENDP              | CRC5             | EOP                 | Pkt Len           | Idle             | Time Stamp       |      |                  |
|             | 1580099 |         |      | 00000001 | 0x96  | 4                       | 0                 | 0x14             | 266.660 ns          | 36 Bits (5 Bytes) | 250.660 ns       | 23 . 658 672 232 |      |                  |
| Ch0         | Packet  | ↑D      | F    | Sync     | DATA1 | Data                    |                   | CRC16            | EOP                 | Pkt Len           | Idle             | Time Stamp       |      |                  |
|             | 1580100 |         |      | 00000001 | 0xD2  | 4D 4C 01 00             | 0x140F            | 250.000 ns       | 67 Bits (9 Bytes)   | 482.660 ns        | 23 . 658 675 416 |                  |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | ACK   | EOP                     | Pkt Len           | Time             | Time Stamp          |                   |                  |                  |      |                  |
|             | 1580101 |         |      | 00000001 | 0x4B  | 266.660 ns              | 20 Bits (3 Bytes) | 237.384 us       | 23 . 658 681 482    |                   |                  |                  |      |                  |
| Transaction | F       | OUT     | ADDR | ENDP     | T     | Data                    |                   | ACK              | Time Stamp          |                   |                  |                  |      |                  |
| 777736      | S       | 0x87    | 4    | 0        | 1     | 0 bytes                 |                   | 0x4B             | 23 . 658 918 866    |                   |                  |                  |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | OUT   | ADDR                    | ENDP              | CRC5             | EOP                 | Pkt Len           | Idle             | Time Stamp       |      |                  |
|             | 1580102 |         |      | 00000001 | 0x87  | 4                       | 0                 | 0x14             | 250.000 ns          | 35 Bits (5 Bytes) | 333.330 ns       | 23 . 658 918 866 |      |                  |
| Ch0         | Packet  | H↓      | F    | Sync     | DATA1 | Data                    | CRC16             | EOP              | Pkt Len             | Idle              | Time Stamp       |                  |      |                  |
|             | 1580103 |         |      | 00000001 | 0xD2  |                         | 0x0000            | 266.660 ns       | 36 Bits (5 Bytes)   | 232.660 ns        | 23 . 658 922 116 |                  |      |                  |
| Ch0         | Packet  | ↑D      | F    | Sync     | ACK   | EOP                     | Pkt Len           | Time             | Time Stamp          |                   |                  |                  |      |                  |
|             | 1580104 |         |      | 00000001 | 0x4B  | 250.000 ns              | 19 Bits (3 Bytes) | 365.068 us       | 23 . 658 925 282    |                   |                  |                  |      |                  |
| Transfer    | F       | Control | ADDR | ENDP     | DFU   | bRequest                | Interface #       | Block #          | Length              | Bytes Transferred | Time             | Time Stamp       |      |                  |
| 1234        | S       | SET     | 4    | 0        | Class | DFU_DOWNLOAD            | 0                 | 0                | 8                   | 8                 | 998.816 us       | 23 . 659 290 350 |      |                  |