

Battery Board Communication Documentation

Byte 0 – Battery and Respective Cell Number

| Bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------------|---|---|---|------|---|------|---|---|
| +0x00 | - | - | - | BATT | - | CELL | | |
| Initial Value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

- **Bit 7:5 Reserved**
- **Bit 4 BATT – Battery Number**
 - Used to specify the battery number (0:1)
- **Bit 3 Reserved**
- **Bit 2:0 CELL – Cell Number**
 - Used to specify the cell number (0:5) for the given battery

Byte 1 – Data Upper Byte*

| Bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------------|------|---|---|---|---|---|---|---|
| +0x00 | DATA | | | | | | | |
| Initial Value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

- **Bit 7:0 DATA – Data Upper Byte**

Byte 2 – Data Lower Byte*

| Bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------------|------|---|---|---|---|---|---|---|
| +0x00 | DATA | | | | | | | |
| Initial Value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

- **Bit 7:0 DATA – Data Lower Byte**

The data being sent in these bytes is raw data and as such must be normalized on the receiving end by dividing the value by 2047, and then multiplying by 3.3 to calculate the actual voltage