# | xtremeDB LEDs

**PWR LED - Blue**
Indicates module power is connected

**COM LED - Green**
Communication Status

**Buss Power - Blue**
P1 = Power for ports 1 & 2
P2 = Power for ports 3 & 4
P3 = Power for ports 5 & 6
P4 = Power for ports 7 & 8

**FLT LED - Red**
Fault Status

**STAT LED - Green**
Module Status

**PORT I/O LED - Yellow**
Left LED = Output A
Right LED = Output B

# | xtremeDB LEDs

## COM LED - Green
Communication Status

| ID | COM Fault Description | ON | OFF |
|---|---|---|---|
| n/a | Bootload Mode | Indicates traffic on bus | N/A |
| C0 | Valid Communication Network | ON | |
| C1 | Source Address (SA) Arbitration | 1 Short | |
| C2 | CANBUS Hardware Fault | 2 Short | 1 Long |
| C3 | Output Control Message Missing | 3 Short | |
| C4 | DM13 Detected* | 4 Short | |

* See J1939-73 diagnostics, another device has requested module to stop broadcasting

## FLT LED - Red
Fault Status

| ID | Fault Description | ON | OFF |
|---|---|---|---|
| F0 | Bootload Mode | 1 Short | 1 Short |
| F1 | Output Over Current Fault | 1 Short | |
| F2 | Low Voltage Warning | 2 Short | |
| F3 | Over Voltage Warning | 3 Short | |
| F4 | Over Temperature Warning | 4 Short | 1 Long |
| F5 | Low Volts | 5 Short | |
| F6 | Spare | 6 Short | |
| F7 | Internal Module Fault | 7 Short | |

For 12V DC system, over voltage is defined as input voltage > 18V DC, low voltage is defined as < 11V DC.
For 24V DC system, over voltage is defined as input voltage > 32V DC, low voltage is defined as < 20V DC.

## STAT LED - Green

| ID | Fault Description | ON | OFF |
|---|---|---|---|
| S0 | Configuration Saved | ON | |

## PORT I/O LED - Yellow
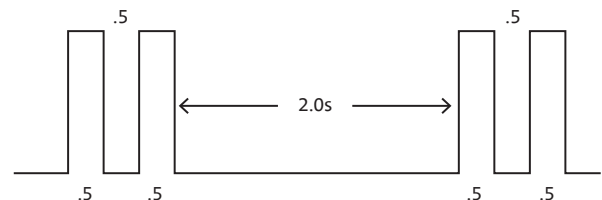Left LED = Output A
Right LED = Output B

1. Steady on indicated output is on
2. Flashing indicates output is faulted

## For All Tables:
Short = ON 500ms and OFF 500ms
Long = OFF defined as 2.0 s
Pulse Width is ± 50ms



Example: C2 CANBUS Hardware Fault