

Source: [KBPhysicsMasterIndex](#)

1 | Base System

1.1 | Binary

$$1011010.0 \Rightarrow 1 * 2^6 + 0 * 2^5 + 1 * 2^4 + 1 * 2^3 + 0 * 2^2 + 1 * 2^1 + 0 * 2^0$$

- In binary, 2 conditions could represent all numbers
- Low Voltage => 0
- High Voltage => 1

$$1011010 + 011101$$

| Signal A | Signal B |
|----------|----------|
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 1 | 1 |