**Command Structur**

|  |  |  |  |
| --- | --- | --- | --- |
| Length (1 Byte) | Payload (0..13 Bytes) | Padding (13 - Length) | *Checksum (1 Byte)* |

**Answer Structur**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ack (1 Byte) | Length (1 Byte) | Payload (0..13 Bytes) | Padding (13 - Length) | *Checksum (1 Byte)* |

Ack: 0xFF nAck

0x00 Ack

*Checksum: CRC8(Length + Payload)*

**Commands (Generic)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Command mnemonic | Command Bytes (Payload) | | | | | | | | | | | | |
| Byte 0 | Byte 1 | Byte 2 | Byte 3 | Byte 4 | Byte 5 | Byte 6 | Byte 7 | Byte 8 | Byte 9 | Byte 10 | Byte 11 | Byte 12 |
| InitMove | *0x00* | Motor | DIR |  |  |  |  |  |  |  |  |  |  |
| MoveTo |  | Motor | AbsPos (HB) | AbsPos | AbsPos (LB) | DIR | Speed  (HB) | Speed | Speed (LB) | ACC (HB) | ACC (LB) | DEC (HB) | DEC (LB) |
| WaitMoved |  | Motor | Timeout (HB) | Timeout | Timeout | Timout (LB) |  |  |  |  |  |  |  |
| IsReady |  | Motor |  |  |  |  |  |  |  |  |  |  |  |
| Move |  | Motor | DIR | Speed  (HB) | Speed | Speed (LB) | ACC (HB) | ACC (LB) | DEC (HB) | DEC (LB) |  |  |  |
| StopMove |  | Motor | IsHardStop |  |  |  |  |  |  |  |  |  |  |
| GetAbsPos |  | Motor |  |  |  |  |  |  |  |  |  |  |  |
| SetPin |  | PinNr | IsHigh |  |  |  |  |  |  |  |  |  |  |
| GetPin |  | PinNr |  |  |  |  |  |  |  |  |  |  |  |
| ConfigPin |  | PinNr | IsOutput |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Commands (Specific T27)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Command mnemonic | Command Bytes (Payload) | | | | | | | | | | | | |
| Byte 0 | Byte 1 | Byte 2 | Byte 3 | Byte 4 | Byte 5 | Byte 6 | Byte 7 | Byte 8 | Byte 9 | Byte 10 | Byte 11 | Byte 12 |
| GoHome |  | Motor |  |  |  |  |  |  |  |  |  |  |  |
| SaveWayPoint |  | Motor |  |  |  |  |  |  |  |  |  |  |  |
| MoveToWayPoint |  | Motor | WayPoint | Speed  (HB) | Speed | Speed (LB) | ACC (HB) | ACC (LB) | DEC (HB) | DEC (LB) |  |  |  |