

Motor feedback

Rotary motor feedback

The standard feedback device used is an incremental encoder with Hall.

| C6 CONNECTOR | | |
|--------------|--------|---------------------------------|
| PIN | NAME | DESCRIPTION |
| 1 | HU | U Hall sensor |
| 2 | HV | V Hall sensor |
| 3 | HW | W Hall sensor |
| 4 | +5V | Encoder supply 5VDC@250mA |
| 5 | GND | GND encoder supply |
| 6 | CHA | A Channel incremental encoder |
| 7 | CHB | B Channel incremental encoder |
| 8 | CHZ | Z Channel incremental encoder |
| 9 | SHIELD | Shield |
| 10 | N.C. | Not Connected |
| 11 | GND | Negative motor thermal sensor - |
| 12 | STM | Positive motor thermal sensor + |
| 13 | CHA- | Encoder negative A channel |
| 14 | CHB- | Encoder negative B channel |
| 15 | CHZ- | Encoder negative Z channel |

Linear motor feedback - SIN/COS 1Vpp

| C6 CONNECTOR | | |
|--------------|--------|---------------------------------|
| PIN | NAME | DESCRIPTION |
| 1 | N.C. | |
| 2 | N.C. | |
| 3 | N.C. | |
| 4 | +5V | Encoder supply 5VDC@250mA |
| 5 | GND | GND encoder supply |
| 6 | CHA | SIN+ |
| 7 | CHB | COS+ |
| 8 | CHZ | |
| 9 | SHIELD | Shield |
| 10 | N.C. | Not Connected |
| 11 | GND | Negative motor thermal sensor - |
| 12 | STM | Positive motor thermal sensor + |
| 13 | CHA- | SIN- |
| 14 | CHB- | COS- |
| 15 | N.C. | |

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