Axis 1 15 pin dsub (encoder/lim)

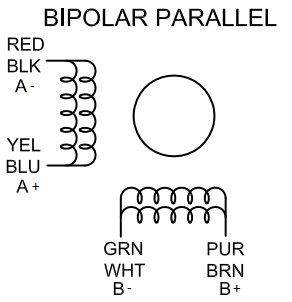
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gailil pin | Color | Box connector pin | Motor connector pin | Purpose |
| 14 | yellow | 6 |  |  |
| 22 | orange | 7 |  |  |
| 4 | red | 8 |  |  |
| 4 (home) | Yellow | 13 | 11 | Home |
| 18 (gnd) | White | 10 | 12 | GND |
| 22(Rev) | Brown | 15 | 4 | Reverse limit |
| N/A | N/A | 10 | 3 | GND |
| 14 (Forw) | Blue | 14 | 2 | Forward limit |
| N/A | N/A | 9 (Tied to 10) | 1 | GND |
| 5 (tied to 9) | Blue | N/A | N/A | Limit 5V common |

Axis 2 15 pin Dsub (encoder/lim)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gailil pin | Color | Box connector pin | Motor connector pin | Purpose |
| 7 | Purple (thin) | 1 |  | Z+ |
| 8 | Orange | 7 |  | A- |
| 9 | Brown | 5 |  | 5V |
| 17 | White | 12 |  | B+ |
| 16 | Blue | 2 |  | Z- |
| 25 | Yellow | 11 |  | B- |
| 26 | Red | 8 |  | A+ |
| 10 | Green | 3 |  | GND |
| 14 (FW limit) | Black | Tied to 22 | Tied to 22 | 5V limit common (disables limits) |
| 22 (Reverse limit) | Black | 5 |  | 5V limit common (disables limits) |
| 5 (limit common) |  |  |  | Limit common |

Axis 2 15 pin high density dsub (VGA)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gailil pin | Color | Box Connector pin | Motor connector pin | Purpose |
| 4 | Purple (thick) | 8 | - | Home signal |
| 9 | Brown/Red | 11 | - | +5v |
| 10 | Green/Black | 1 | - | gnd |



AXIS 1 5-pin high current

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gailil pin | Color | Box Connector pin | Motor connector pin | Purpose |
| A- | Red + Black | 3 | 8 | A- |
| A+ | Yellow + Blue | 1 | 7 | A+ |
| B- | Green and White | 2 | 6 | B- |
| B+ | Purple and Brown | 4 | 5 | B+ |

AXIS 2 5-PIN HIGH CURRENT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gailil pin | Breaker board Color | motor | Motor connector pin | Purpose |
| A- |  | Yellow + purple | 1 + 2 | A+ |
| A+ |  | Yellow + purple | 1 + 2 | A- |
| B- |  | Brown + white | 3 + 4 | B+ |
| B+ |  | Brown + White | 3 + 4 | B- |
| 10 |  |  | 5 | GND |

Galil settings

Limit switches inverted, R axis inverted, LC for R axis set to 1