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| --- | --- |
| Pin | Connected to |
| GND 1 | Motor shield and lcd shield |
| GND 2 | Grand Ground |
| 5V | Motor, lcd and grand 5V |
| A0 | Lcd buttons |
| A1 | First 4 sensors |
| A2 | Last 4 sensors |
| A3 | Point 6 |
| A4 | Point 7 |
| A5 | Point 8 |
| D0 | Point 1 |
| D1 | Point 2 |
| D2 | Point 3 |
| D3 | Train speed |
| D4 | Lcd |
| D5 | Lcd |
| D6 | Lcd |
| D7 | Lcd |
| D8 | Lcd |
| D9 | Lcd |
| D10 | Point4 |
| D11 | Point direction |
| D12 | Train direction |
| D13 | Point 5 |