

| EXPANSION HEADER PIN | PORT 1 | |
|-------------------------|------------|------------------------|
| | Pokeys Pin | M31 Function |
| 1 | GND | GND |
| 2 | GND | GND |
| 3 | GND | GND |
| 4 | GND | GND |
| 5 | 5 | KEYPAD MATRIX COLUMN A |
| 6 | 6 | KEYPAD MATRIX COLUMN B |
| 7 | 7 | KEYPAD MATRIX COLUMN C |
| 8 | 8 | KEYPAD MATRIX COLUMN D |
| 9 | 12 | KEYPAD MATRIX ROW 1 |
| 10 | 14 | KEYPAD MATRIX ROW 2 |
| 11 | 17 | KEYPAD MATRIX ROW 3 |
| 12 | 18 | KEYPAD MATRIX ROW 4 |
| 13 | 19 | KEYPAD MATRIX COLUMN E |
| 14 | 26 | KEYPAD MATRIX COLUMN F |
| 15 | 27 | KEYPAD MATRIX ROW 8 |
| 16 | 20 | TERMINAL 2 |
| 17 | 3.3V | 3.3V |
| 18 | 5V | 5V |
| 19 | 5V | 5V |
| 20 | 5V | 5V |
| 21 | GND | GND |
| 22 | GND | GND |
| 23 | GND | GND |
| 24 | GND | GND |
| 25 | 35 | KEYPAD MATRIX COLUMN G |
| 26 | 36 | KEYPAD MATRIX COLUMN H |
| 27 | 9 | TERMINAL 1 |
| 28 | 38 | KEYPAD MATRIX ROW 5 |
| 29 | 39 | KEYPAD MATRIX ROW 6 |
| 30 | 37 | KEYPAD MATRIX ROW 7 |
| 31 | 10 | TERMINAL 3 |
| 32 | 11 | TERMINAL 4 |
| 33 | 15 | TERMINAL 5 |
| 34 | 16 | TERMINAL 6 |
| 35 | 44 | TERMINAL 7 |
| 36 | 45 | TERMINAL 8 |
| 37 | 3.3V | 3.3V |
| 38 | 5V | 5V |
| 39 | 5V | 5V |
| 40 | 5V | 5V |