**SMART TROLLEY PIN CONNECTION**

LCD WITH STM 32

|  |  |  |
| --- | --- | --- |
| **LCD Pin No** | **LCD Pin Name** | **STM32 Pin Name** |
| 1 | Ground (Gnd) | Ground (G) |
| 2 | VCC | 5V |
| 3 | VEE | Pin from Centre of Potentiometer |
| 4 | Register Select (RS) | PB11 |
| 5 | Read/Write (RW) | Ground (G) |
| 6 | Enable (EN) | PB10 |
| 7 | Data Bit 0 (DB0) | No Connection (NC) |
| 8 | Data Bit 1 (DB1) | No Connection (NC) |
| 9 | Data Bit 2 (DB2) | No Connection (NC) |
| 10 | Data Bit 3 (DB3) | No Connection (NC) |
| 11 | Data Bit 4 (DB4) | PB0 |
| 12 | Data Bit 5 (DB5) | PB1 |
| 13 | Data Bit 6 (DB6) | PC13 |
| 14 | Data Bit 7 (DB7) | PC14 |
| 15 | LED Positive | 5V |
| 16 | LED Negative | Ground (G) |

STM 32 With RFID EM 18

|  |  |
| --- | --- |
| **EM-18 Reader Module** | **STM32F103C8** |
| VCC | +5V |
| GND | GND |
| TX | PA10 |