**LCD CONNECTIONS:**

| **AVR Microcontroller Pin** | **LCD Screen Pin** | **Description** |
| --- | --- | --- |
| PA2 | RS | Control Pin (Register Select) |
| Ground | RW | Control Pin (Read/Write, connect to Ground) |
| PA3 | E | Control Pin (Enable) |
| PC0 | D4 | Data Pin (4-bit mode) |
| PC1 | D5 | Data Pin (4-bit mode) |
| PD6 | D6 | Data Pin (4-bit mode) |
| PD4 | D7 | Data Pin (4-bit mode) |
| +5V | VDD | Power Supply (5V) |
| Ground | VSS | Ground |
| Potentiometer Wiper | V0/VEE | Contrast Adjustment |
| +5V | Potentiometer VCC | Power Supply (5V) for Potentiometer |
| Ground | Potentiometer Ground | Ground for Potentiometer |