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| Wire Colour | Purpose |
| RED | 5V Power (Vcc) |
| BLACK | Ground (GND) |
| BLUE | Control Signals (e.g. ALE) |
| YELLOW | Address Bus (A0-A7 and A8-A15) |
| GREEN | Multiplexed Address and Data Bus (AD0-AD7) |
| ORANGE | Buffered Data (D0-D7) |
| GREY | Other necessary connections across the board |