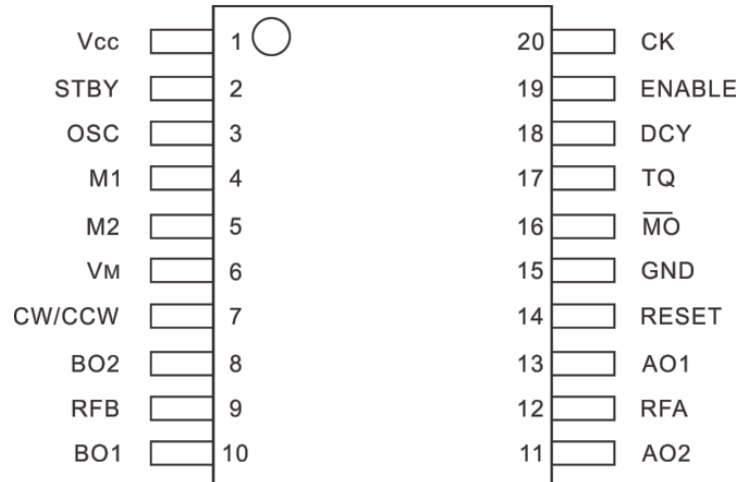


ORDER INFORMATION

| Part Number | Package Type | Top Code |
|-------------|-----------------------|-----------|
| PT2465-TX | 20-PIN, TSSOP, 173MIL | PT2465-TX |

PIN CONFIGURATION



PIN DESCRIPTION

| Pin Name | I/O | Description | Pin No. |
|-----------------|-------|--|---------|
| V _{CC} | Power | Power supply pin for logic block | 1 |
| STBY | I | Standby input, See the Input Signals and Operating Modes table. | 2 |
| OSC | I | Connection pin for an external capacitor used for internal oscillation | 3 |
| M1 | I | Excitation mode setting input 1, See the Excitation Mode Settings table. | 4 |
| M2 | I | Excitation mode setting input 2, See the Excitation Mode Settings table. | 5 |
| V _M | Power | Power supply pin for output | 6 |
| CW/CCW | I | Rotation direction select input, See the Input Signals and Operating Modes table. | 7 |
| BO2 | O | B-phase output 2, Connect BO2 to a motor coil pin. | 8 |
| RFB | O | Connection pin for a B-phase output current detection resistor | 9 |
| BO1 | O | B-phase output 1, Connect BO1 to a motor coil pin. | 10 |
| AO2 | O | A-phase output 2, Connect AO2 to a motor coil pin. | 11 |
| RFA | O | Connection pin for an A-phase output current detection resistor | 12 |
| AO1 | O | A-phase output 1 Connect AO1 to a motor coil pin. | 13 |
| RESET | I | Reset input See the Input Signal and Operating Modes table. | 14 |
| GND | GND | Ground | 15 |
| MO | O | Monitor output, Initial state: MO = Low (open drain, pulled up by an external resistor) | 16 |
| TQ | I | Vref setting input See the Vref Voltage Setting table. | 17 |
| DCY | I | Decay setting input, See the Fast-Decay Time Inserted During the Current Decay Period table. | 18 |
| ENABLE | I | Enable input, See the Input Signal and Operating Modes table. | 19 |
| CK | I | Clock input | 20 |

IMPORTANT NOTICE

Princeton Technology Corporation (PTC) reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and to discontinue any product without notice at any time.

PTC cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a PTC product. No circuit patent licenses are implied.

Princeton Technology Corp.
2F, 233-1, Baociao Road,
Xindian, Taipei 23145, Taiwan
Tel: 886-2-66296288
Fax: 886-2-29174598
<http://www.princeton.com.tw>