DESCRIPTION

The PT2464 provides 2 channel Full-On H-Bridge drivers. The output driver features wide operating range from 2.0V and low power consumption. It also provides fast switching speed in a compact surface mount package.

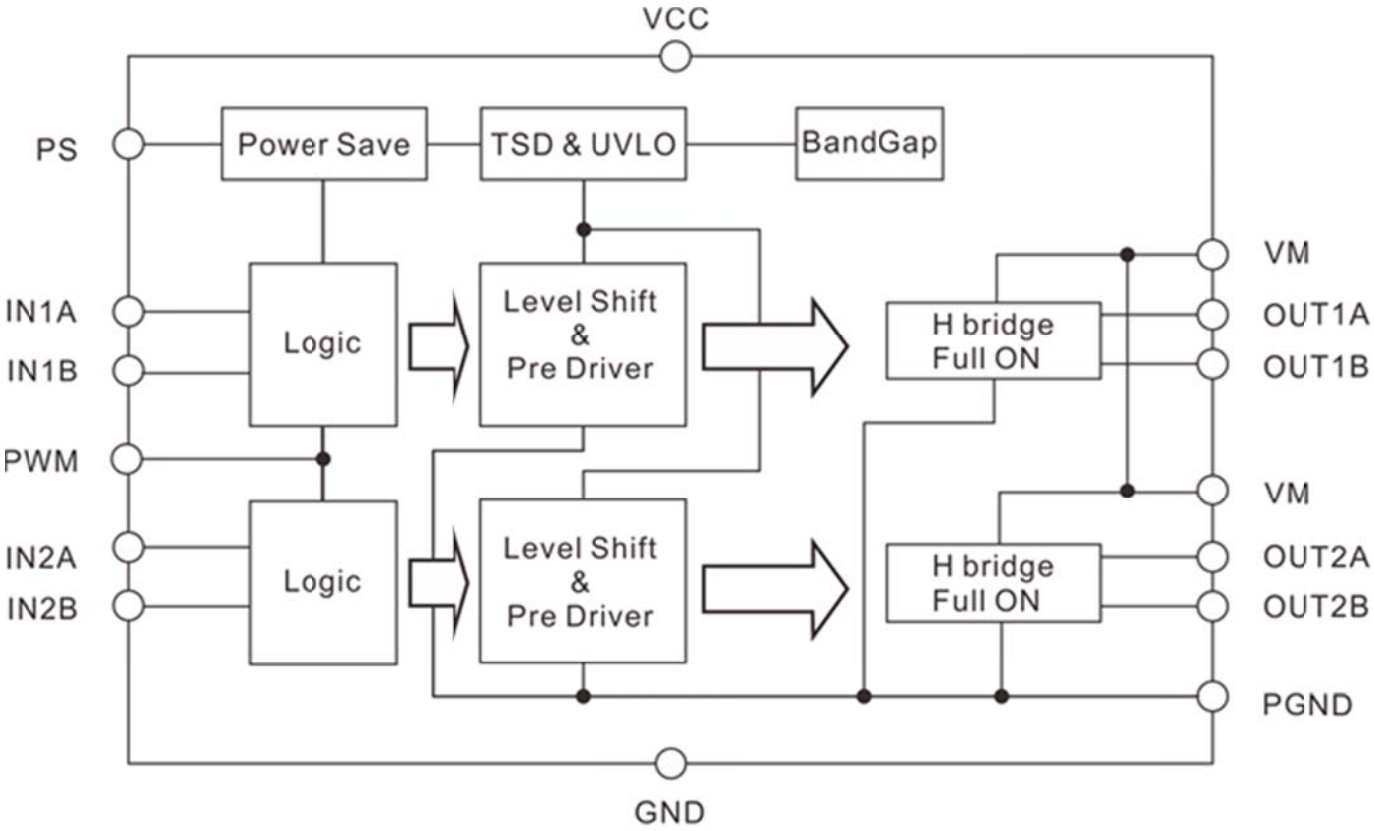
APPLICATION

- Single-lens reflex camera system
- Mobile system
- Home appliance
- Amusement system

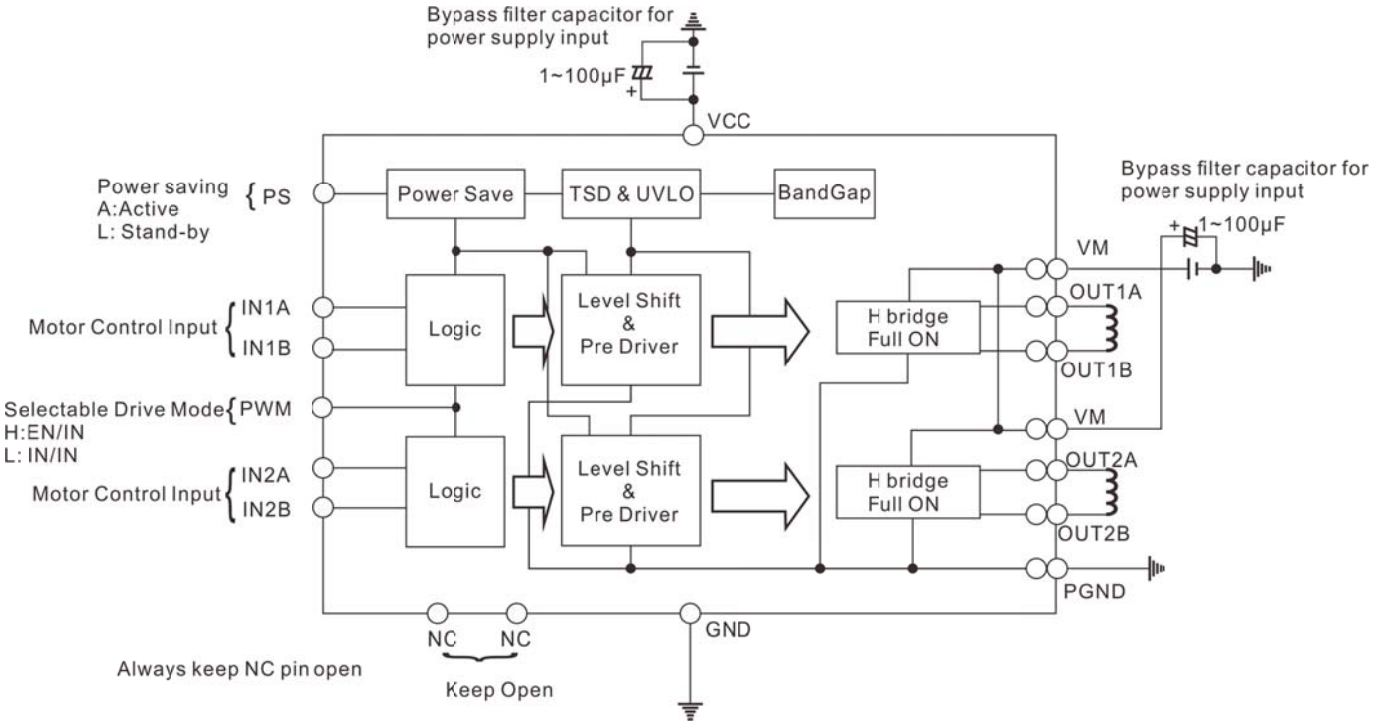
FEATURES

- Range of motor power supply voltage:
  - Control (VCC) : 2.5V to 5.5V
  - Motor (VM) : 2.0V to 16V
- Low current consumption when power-down: <1μA@25°C
- Ultra low RDS(ON)(TOP+BOT): $0.4\Omega_{TYP}$@25°C
- Charge pump-less, P-channel DMOS as upper side switches
- H-bridge output current (DC): ±1.8A(Max)
- High-speed switching:
  -Turn On Time: 200ns, Turn Off Time: 80ns (Typ.)
- Operating temperature range: -30℃to +85℃
- Built-in protection circuits
  - Under Voltage Lock Out (UVLO)
  - Thermal Shut Down (TSD)

BLOCK DIAGRAM



APPLICATION CIRCUIT



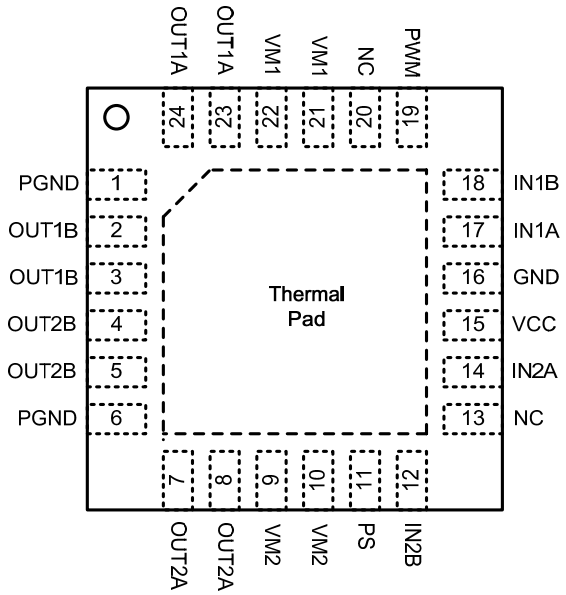
Note: The VM pin group includes pin 9, 10 and pin 21, 22 should be short-circuitry connection by PCB track or pattern. If cannot, check into transitional characteristics of total application circuit including two motors. Through low impedance materials, the possibility of causing some unexpected malfunctions is incontrovertible**.**

ORDER INFORMATION

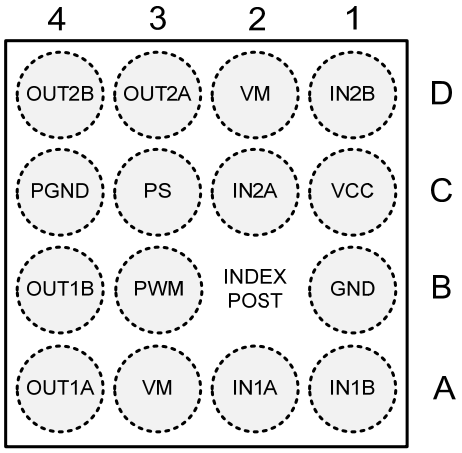
Part Number	Package Type	Top Code
PT2464	24 Pins, QFN, 4*4mm	PT2464
PT2464-S	16 Pins, SOP	PT2464-S
PT2464	15 Balls, WCSP	2464

PIN CONFIGURATION

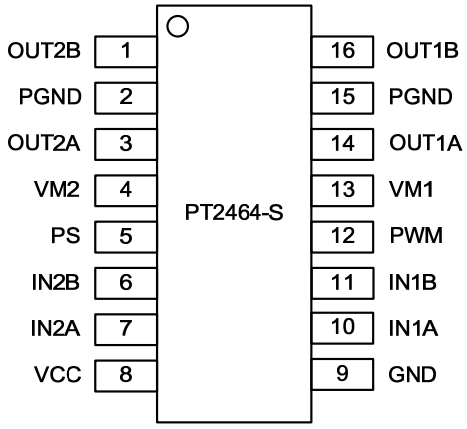
QFN24 (TOP VIEW)



WCSP (TOP VIEW)



SOP16 (TOP VIEW)



IMPORTANT NOTICE

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