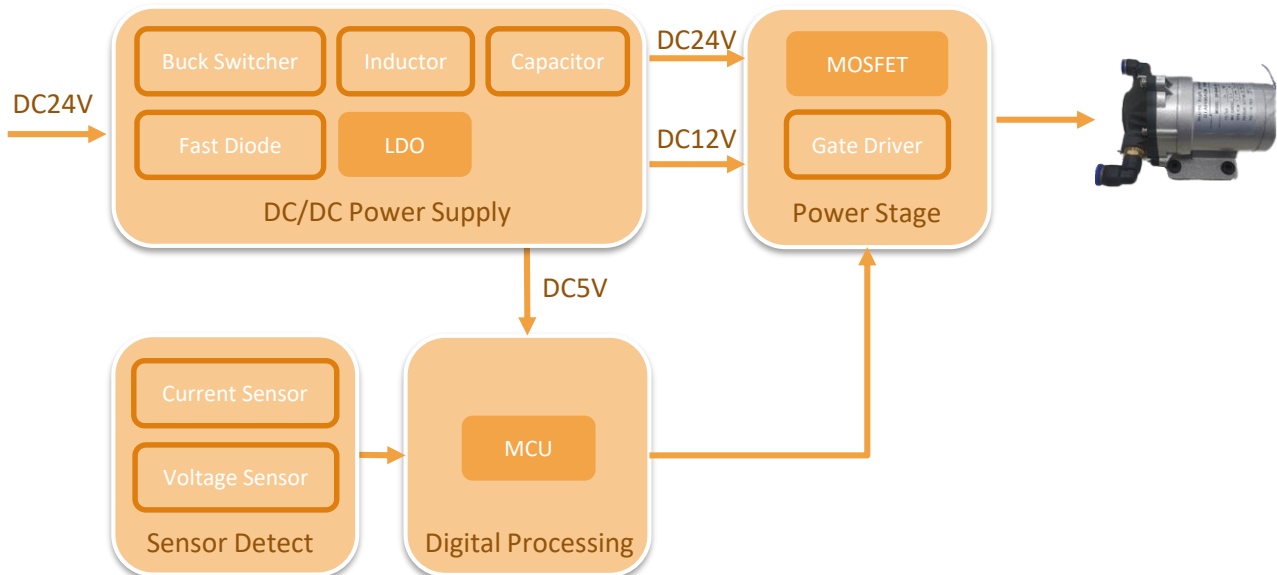




Zenitron 24V 3-Phase BLDC Water Pump Control



Part List

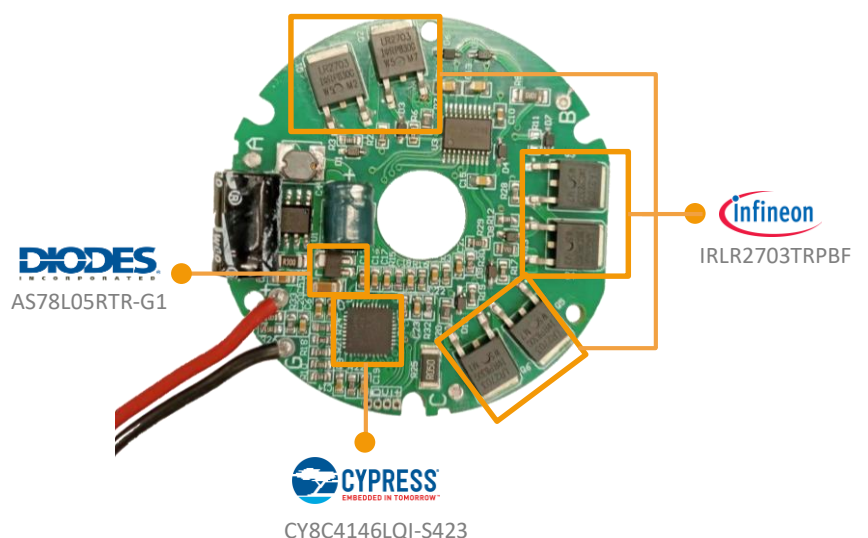
Block	Vendor	Part number	Description
Power Stage		IRLR2703TRPBF	Single N-Channel MOSFET, 30V, Rdson=0.045Ω, Id=23A, DPak package
DC/DC Power Supply		AS78L05RTR-G1	LDO, Vin max=30V Out=5V/ 100mA, SOT-89
Digital Processing		CY8C4146LQI-S423	48 MHz Arm Cortex-M0+ 32bit CPU; Flash 64K; SRAM 8K; ROM 8K; 12bit ADC; OPAMP; 5 x TCPWM

Solution Feature Description

1. Small Size : 50.8mmX53.5mm, Pie shape, Embedded in the motor
2. PSoC4 Cortex-M0 Platform, high integration density, 3-Phase BLDC
3. Low Voltage(DC24V), Normal Speed(1600rpm+)
4. Support : OCP, OVP, SCP
5. Support overload auto-restart
6. High performance in compatibility

Specification Description

1. DC Input : 24V $\pm$ 2V
2. Rated speed : 1600rpm
3. Max working current : 3.5A
4. OCP >5A



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