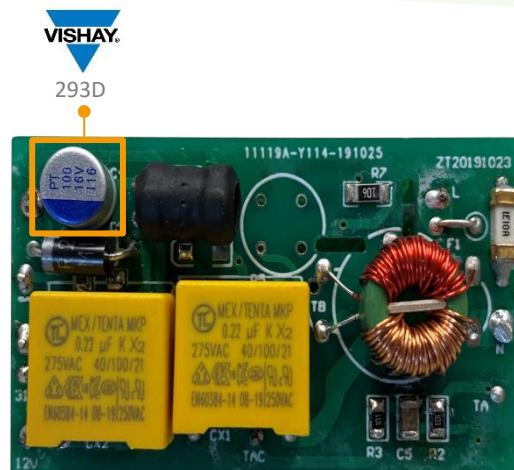
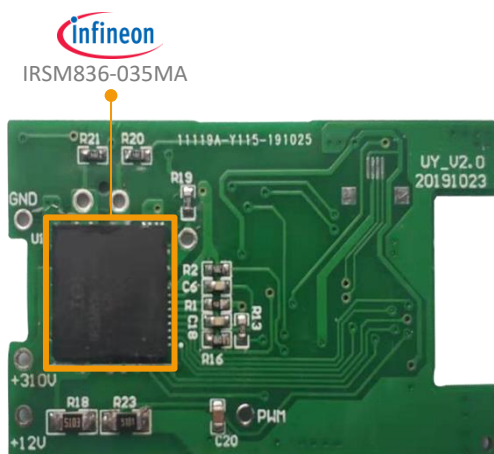
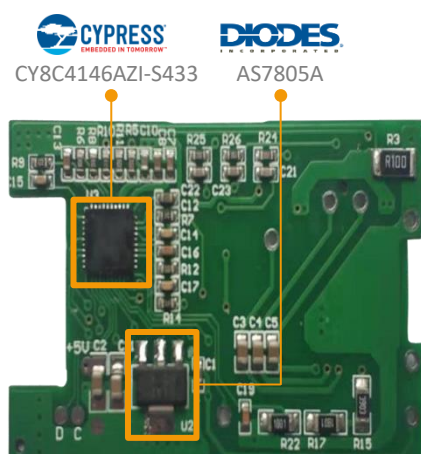
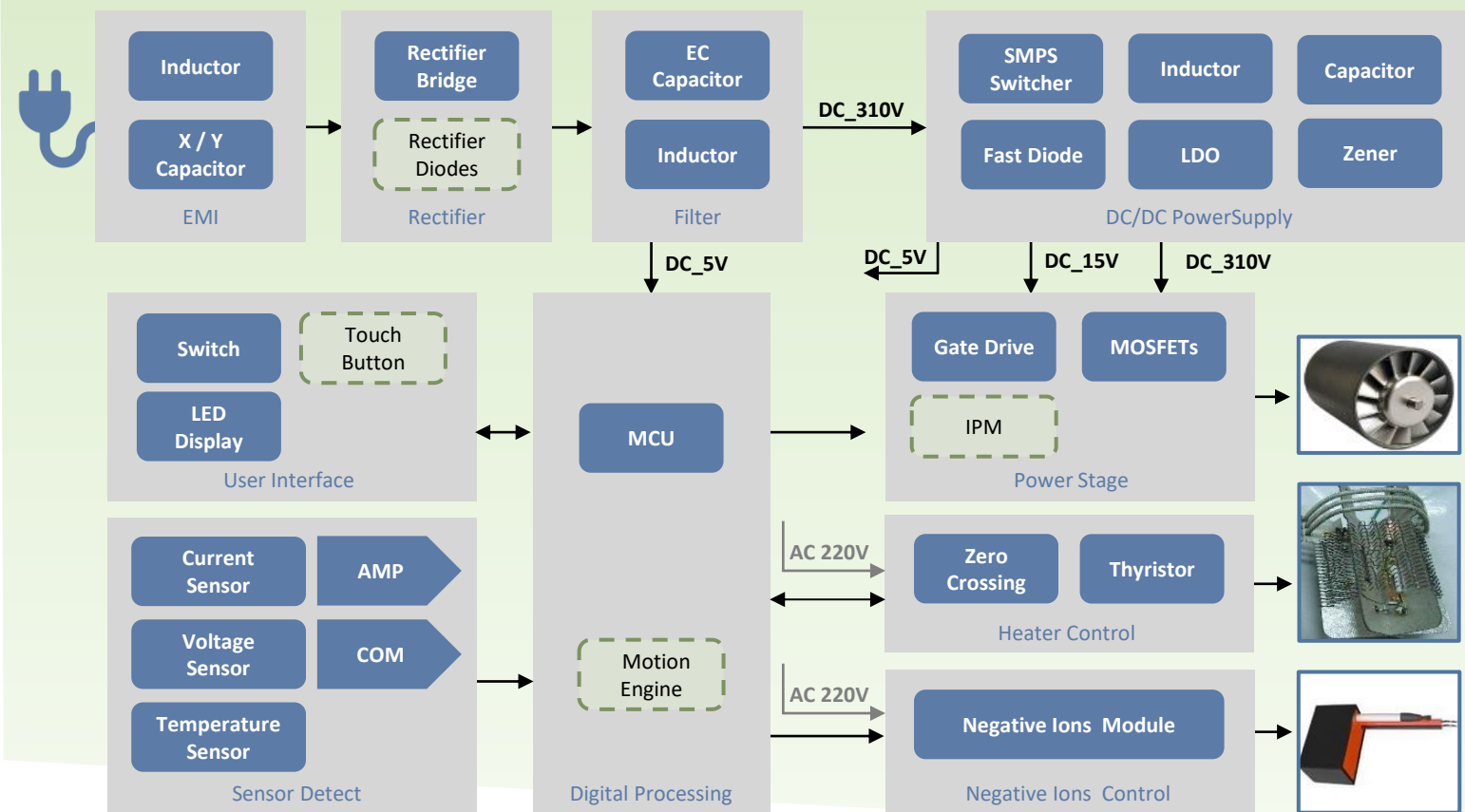




100W Hair Dry 110,000RPM+ 3 Phase BLDC Control



nichicon
UPS Series

DIODES
AP3177DS7-13

DIODES
RS1M

DIODES
US1M

DIODES
S3MB-13-F



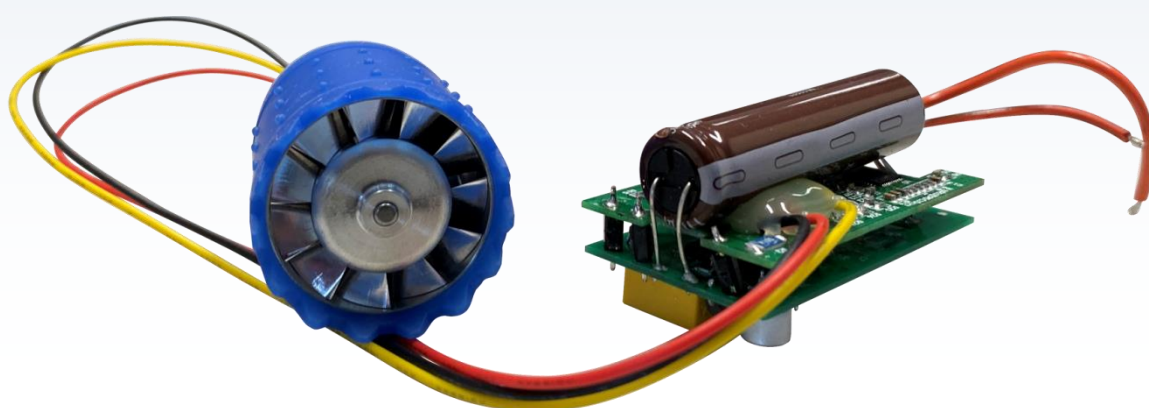
100W Hair Dry 11,000RPM+ 3 Phase BLDC Control

Solution Feature description

- Smallest Size:52mmX29mm
- High integration (MCU+IPM 2 in 1)
- High Voltage(DC310V), High Speed(110,000rpm+)
- BLDC smallest power consumption BLDC (100W) VS FOC Algorithm (120W)
- 1s fast re-start
- 3-Stage Speed
- Anion Control
- Heat control

Specification description

- AC Input: 180-242V/50Hz 1A 100W
- Motor Control: 3-Phase BLDC, 2-Pole, 110,000rpm, BLDC Algorithm
- Adj. Protection: OVP, OCP, OTP



Block	Vendor	Part number	Description
Rectifier		S3MB-13-F	PASSIVATED RECTIFIER, 1000V/3A,SMB
Filter		UPS Series	120uF/400V, Elec-Cap
DC/DC PowerSupply		AP3177DS7-13	Step down Power Switcher, AC 85-265V Input, Internal 700V Mosfet, 300mA Output Current...
		RS1M	Fast rectifier Diode,1000V/1A,SMA
		US1M	Ultra-Fast Diode, 1000V/1A,SMA
		293D	100uF/20V, Solid Tantalum,SMT
		AS7805A	DC/DC Vin<36V, Vout=5V/1A
Digital Processing(MCU)		CY8C4146AZI-S433	48-MHz ARM Cortex-M0+ CPU, PWM,OP,ADC...
Power Stage(IPM)		IRSM836-035MA	Integrated Power Module 3A/500V for Small Appliance Motor Drive Applications

Contact Us

Taipei (Headquarter)

kyle_hsiao@zenitron.com.tw

brett_chen@zenitron.com.tw

China-ShangHai

kevin_liu@zenitron.com.cn

iser_zhang@zenitron.com.cn

China-Shenzhen

carter_zhou@zenitron.com.cn

helen_jiang@zenitron.com.cn