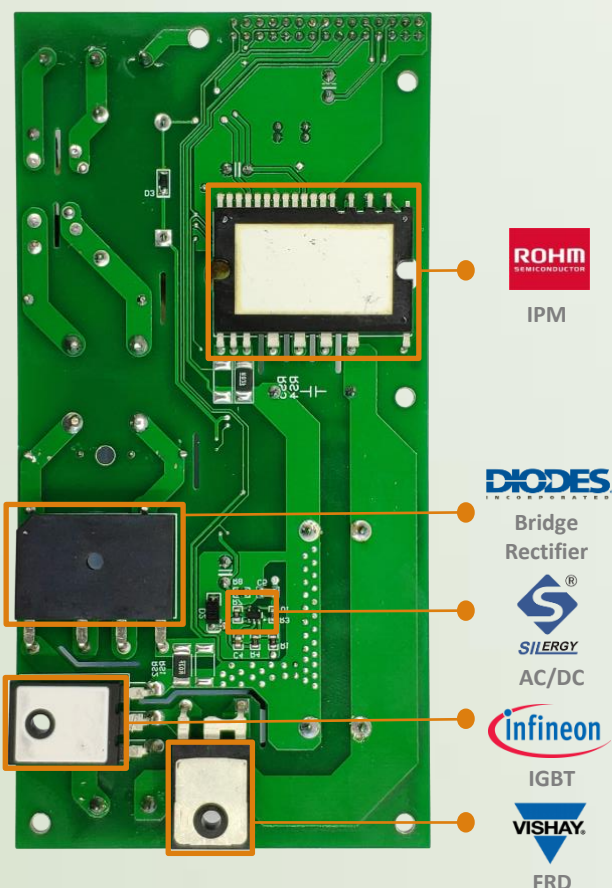
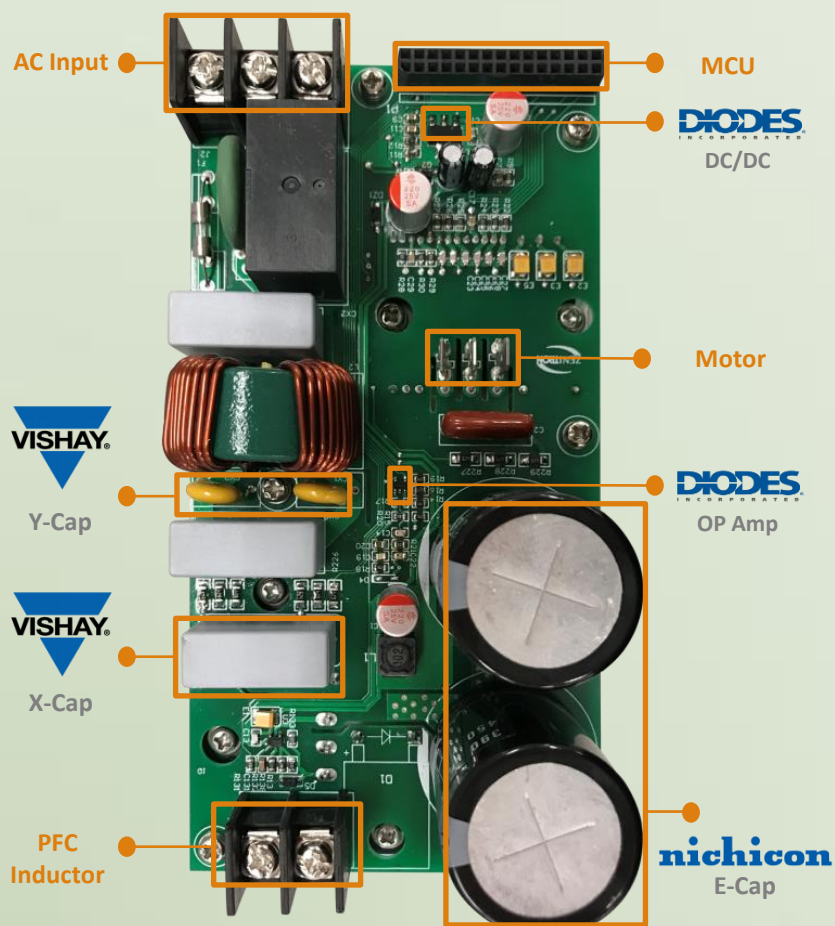
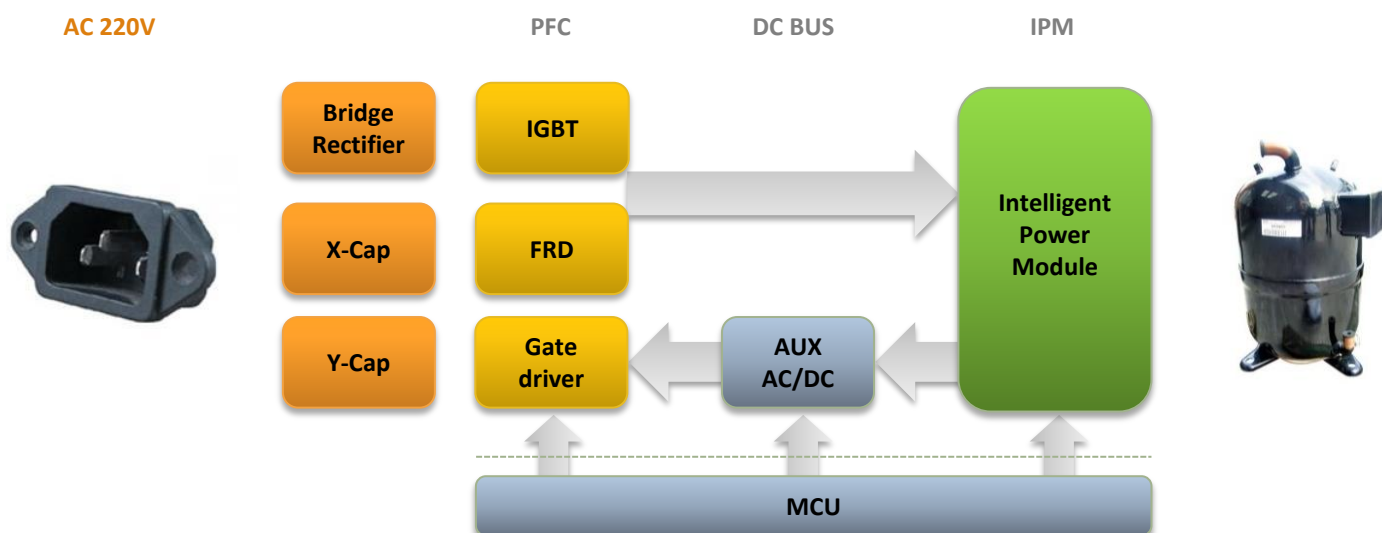




1.5P Power Board for Air Conditioning





1.5P Power Board for Air Conditioning

應用範圍:

- 空調壓縮機
- 工業伺服電機

使用器件:

- ROHM BM63764S-VA
- Diodes GBJ1506
- Vishay VS-EPH3006-N3

Demo規格說明:

- Vin : 65~264VAC
- Pout : 750W~2.5KW
- PF>99%
- FOC 控制算法
- OVP : 380V
- OCP : 12A (15A IPM)
- OTP : 105 °C

Part List

Block	Vendor	Part number	Description
Rectifier & EMI Filter		GBJ1506	Bridge Rectifier, 600V/15A,Package: GBJ
		FMMT493TA	NPN Transistors,100V/1A,SOT-23
		RS1M	fast rectifier diode,1000V/1A,SMA
		1N4148W-7-F	Switching diode,100V/150mA,SOD-123
		F339MMKP	X Cap,1uF/310Vac
		VY2 332M41Y5US6TV7	Y Cap,3.3nF/305Vac
		MKT1820347635/M	DC Film Capacitors 47nF/630V
DC Bus		LGL2W561MELC40	E-Cap, 560uF/450V
		SY50281	Non-isolation DC/DC Buck controller,SOT23-6
		AZ1117S33	LDO,3.3V/1A,SOT-223
PFC		AS331	voltage comparator,SOT-23-5
		VS-EPH3006-N3	fast rectifier diode,600V/30A,TO-247AC modified
		IRS44273L	low-side gate driver IC,±1.5A,SOT-23
		IKFW40N60DH3E	N-ch IGBT,600V/40A,TO247
IPM		BM63764S-VA	IPM,600V/15A,HSDIP25

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