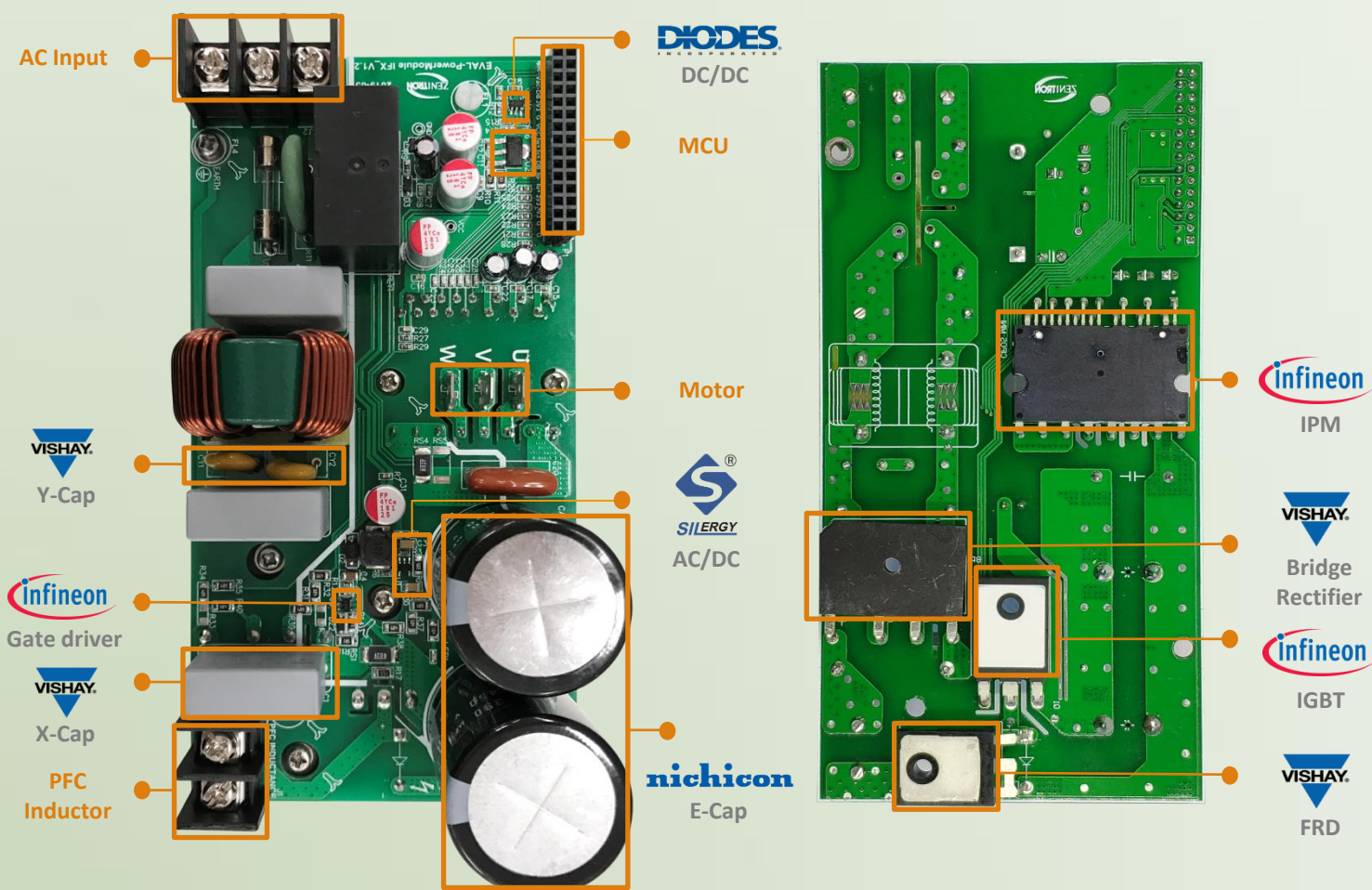
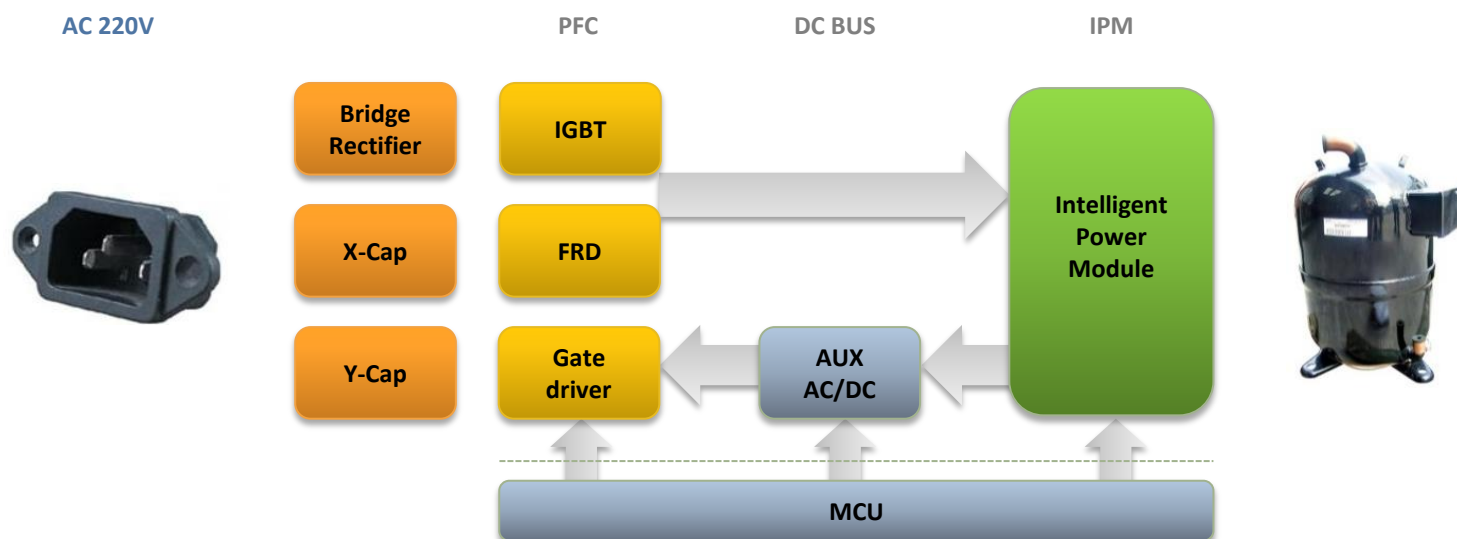




2P Power Board for Air Conditioning





2P Power Board for Air Conditioning

應用範圍:

- 空調壓縮機
- 工業伺服電機

使用器件:

- Infineon IKCM20L60GA
- Infineon IKW30N60H3
- Infineon IRS44273L

Demo規格說明:

- Vin : 65~264VAC
- Pout : 750W~3KW
- PF>99%
- FOC 控制算法
- OVP : 380V
- OCP : 16A (20A IPM)
- OTP : 105°C

Part List

Block	Vendor	Part number	Description
Rectifier & EMI Filter		BU2506-E3/45	Bridge Rectifier,600V/25A,Package: BU
		F339MX244731MII2B0	X-Cap,0.47uF/310Vac,
		VY2 332M41Y5US6TV7	Y-Cap,3.3nF/305Vac,
		MKT1820347635/M	DC Film Capacitors 47nF/630V
		FMMT493TA	NPN Transistors,100V/1A,SOT-23
		RS1M	fast rectifier diode,1000V/1A,SMA
		1N4148W-7-F	Switching diode,100V/150mA,SOD-123
DC Bus		LGL2W561MELC40	E-Cap,390uF/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		IKCM20L60GA	IPM,600V/20A,

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