		STM32 series																			
		F0		F1		F3		F4		F7		H7		L4		G0		G4		ST Spin32 F0		ST Spin32 G4	
Key features	**SDK version**	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1	5.4	6.1
Current Sensing and over current protection OCP	Current 1-shunt or 3-shunt	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
	Insulated Current Sensing			√		√		√		√								√					
	Embedded Comparators OCP, OPAMPs					√	√											√	√				
Speed/Position sensing	Sensor (Hall, Encoder sensors), sensor-less	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
Bus voltage sensing/protection UVP/OVP	Vbus reading, Over and Under voltage protection	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
Temperature sensing/protection OTP	Temperature measurement, Over temperature protection	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
FOC	Single	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
	Dual (Couple ADCs per motor)					√		√										√					
	Dual (Sharing ADCs resources for both motors)					√		√															
	Dual (example only)											√											
Six Step	Example only					√																	
	Full support		√				√		√		√		√		√		√		√		√		√
ACIM	Example only																		√				
	configured through WB																		√				
Control Mode	Torque/Speed/Position control	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
Other Features	MTPA, Flux weaken, Feed Forward	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√
	PFC - FW support			√																			
	Discontinuous PWM		√				√		√		√		√		√		√		√		√		√
	Over Modulation and Single shunt phase shift		√				√		√		√		√		√		√		√		√		√
	Monitor embedded to the workbench (low bandwidth)	√		√		√		√		√				√		√		√		√			
	Motor control Pilot (high bandwidth)		√				√		√		√		√		√		√		√		√		√