EM6819 family ensures 0.9V battery operations and much more …

	Part number	Flash code (KWords)	max NVM data (KB)	RAM (B)	Supply range (V)	DCDC convertor	GPIOs pins	Digital communication	Clock speed	Internal oscillator	8bit Timers	PWM (up to channel)	10bit ADC (up to channel)	Temp. Sensor	Additional analog	Additional digital	self write for software update	Debug On Chip / ISP	Package(s) Note 1
2K word Flash (5.6kByte)	EM6819F2-B006	2	4	256	0.9 - 3.6	-	4 to 12	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz	4	4	-	-	PwrCk Brown-Out VLD	SCWUP WD	✓	✓	SO08 TSSOP16
	EM6819F2-B000	2	4	512	0.9 - 3.6	-	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20-28 QFN20
	EM6819F2-A000	2	4	512	0.9 - 3.6	✓	12 to 20	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20
	EM6819F2-B300	2	4	512	1.8 - 5.5	-	16 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20
4K word Flash (11.5kByte)	EM6819F4-B005	4	8	256	0.9 - 3.6	-	4 to 12	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz	4	4	4	-	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	SO08 TSSOP16
	EM6819F4-A005	4	8	256	0.9 - 3.6	✓	8 to 12	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz	4	4	4	-	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20 QFN20
	EM6819F4-A000	4	8	512	0.9 - 3.6	✓	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20-32
	EM6819F4-B000	4	8	512	0.9 - 3.6	-	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20-28 QFN20
	EM6819F4-B100	4	8	512	1.8 - 3.6	-	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20-28 QFN20
	EM6819F4-B300	4	8	512	1.8 - 5.5	-	16 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20
6K word Flash (16.9kByte)	EM6819F6-B004	6	12	512	0.9 - 3.6	-	4 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	SO08 TSSOP16-20-28
	EM6819F6-A000	6	12	512	0.9 - 3.6	✓	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20-32
	EM6819F6-B100	6	12	512	1.8 - 3.6	-	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20-28 QFN20
	EM6819F6-A100	6	12	512	1.8 - 3.6	✓	12 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP20-28 QFN20-32
	EM6819F6-B300	6	8	512	1.8 - 5.5	-	16 to 24	SPI SW-UART / I2C	15MHz	RC 8kHz 2MHz 15MHz Crystal 32kHz - 4Mhz	4	4	8	✓	PwrCk Brown-Out OPAMP VLD	SCWUP WD	✓	✓	TSSOP16-20-28 QFN20

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NVM	Non Volatile Memory	**PWM**	Pulse Width Modulation
RAM	Random Access Memory	**ADC**	Analog to Digital Converter
GPIO	General Purpose Input Output	**OPAMP**	Operational Amplifier
SPI	Serial Peripheral Interface	**PwrCk**	Power Check on start-up
RC	Fully embedded RC Oscillator	**VLD**	Voltage Level Detector
Crystal	Oscillator on chip	**ISP**	In System Programming
WD	Digital Watch-dog	**SCWUP**	Sleep Counter Wake-Up

Note 1: Ask for package & volume availability