

# Electronic Product Selector Guide (ePSG)

Microcontrollers and Digital Signal Controllers



Product Family	Product Status	5k Pricing	Memory Type	Architecture (Bits)	Flash (KBytes)	RAM (KBytes)	EEPROM	Pincount	CPU Speed (MHz)	CPU Speed (MIPS)	Comparators	LIN	USB	CAN	LowPower	System_Features	Timers	Digital_Communication	Application_Peripherals	Capture_Compare_PWM	Analog_Peripherals	Voltage	Package
DSPIC30F2012	P	\$2.32	FLASH	16	12	1		28	120	30					FW, APM	GPIO PBOR POR WDT	3 x 16-bit 1 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: BASIC	2 - Input Capture 2 - Std. PWM	1 A/D 10 x 12 - bit @200ksps	2.5V to 5.5V	28/QFN 28/SOIC 300MIL 28/SPDIP
DSPIC30F2020	P	\$3.62	FLASH	16	12	0.5		28	120	30	4				FW, APM	GPIO POR WDT	3 x 16-bit 1 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: INTERMEDIATE MtrCntrl Ch.: 8 SMPS: 8	2 - Std. PWM	1 A/D 8 x 10 - bit @200ksps	3V to 5.5V	28/QFN 28/SOIC 300MIL 28/SPDIP
DSPIC30F2023	P	\$4.02	FLASH	16	12	0.5		44	120	30	4				FW, APM	GPIO POR WDT	3 x 16-bit 1 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: INTERMEDIATE MtrCntrl Ch.: 8 SMPS: 8	2 - Std. PWM	1 A/D 12 x 10 - bit @200ksps	3V to 5.5V	44/QFN 44/TQFP
DSPIC30F3010	P	\$3.02	FLASH	16	24	1	1024	28	120	30					FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 6 QEI: 1	4 - Input Capture 2 - Std. PWM	1 A/D 6 x 10 - bit @100ksps	2.5V to 5.5V	28/SOIC 300MIL 28/SPDIP 44/QFN
DSPIC30F3011	P	\$3.32	FLASH	16	24	1	1024	40	120	30					FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	2 - UART 1 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 6 QEI: 1	4 - Input Capture 4 - Std. PWM	1 A/D 9 x 10 - bit @100ksps	2.5V to 5.5V	40/PDIP 44/QFN 44/TQFP
DSPIC30F3012	P	\$2.68	FLASH	16	24	2	1024	18	120	30					FW, APM	GPIO PBOR POR WDT	3 x 16-bit 1 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: BASIC	2 - Input Capture 2 - Std. PWM	1 A/D 8 x 12 - bit @200ksps	2.5V to 5.5V	18/PDIP 18/SOIC 300MIL 44/QFN
DSPIC30F3013	P	\$2.77	FLASH	16	24	2	1024	28	120	30					FW, APM	GPIO PBOR POR WDT	3 x 16-bit 1 x 32-bit	2 - UART 1 - SPI 1 - I2C	Code Guard: BASIC	2 - Input Capture 2 - Std. PWM	1 A/D 10 x 12 - bit @200ksps	2.5V to 5.5V	28/SOIC 300MIL 28/SPDIP 44/QFN
DSPIC30F3014	P	\$3.24	FLASH	16	24	2	1024	40	120	30					FW, APM	GPIO PBOR POR WDT	3 x 16-bit 1 x 32-bit	2 - UART 1 - SPI 1 - I2C	Code Guard: BASIC	2 - Input Capture 2 - Std. PWM	1 A/D 13 x 12 - bit @200ksps	2.5V to 5.5V	40/PDIP 44/QFN 44/TQFP
DSPIC30F4011	P	\$4.02	FLASH	16	48	2	1024	40	120	30				1-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	2 - UART 1 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 6 QEI: 1	4 - Input Capture 4 - Std. PWM	1 A/D 9 x 10 - bit @100ksps	2.5V to 5.5V	40/PDIP 44/QFN 44/TQFP
DSPIC30F4012	P	\$3.71	FLASH	16	48	2	1024	28	120	30				1-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	1 - UART 1 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 6 QEI: 1	4 - Input Capture 2 - Std. PWM	1 A/D 6 x 10 - bit @100ksps	2.5V to 5.5V	28/SOIC 300MIL 28/SPDIP 44/QFN
DSPIC30F4013	P	\$3.91	FLASH	16	48	2	1024	40	120	30				1-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	2 - UART 1 - SPI 1 - I2C	Code Guard: BASIC	4 - Input Capture 4 - Std. PWM	1 A/D 13 x 12 - bit @200ksps	2.5V to 5.5V	40/PDIP 44/QFN 44/TQFP
DSPIC30F5011	P	\$4.96	FLASH	16	66	4	1024	64	120	30				2-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	2 - UART 2 - SPI 1 - I2C	Code Guard: ADVANCED	8 - Input Capture 8 - Std. PWM	1 A/D 16 x 12 - bit @200ksps	2.5V to 5.5V	64/TQFP
DSPIC30F5013	P	\$5.47	FLASH	16	66	4	1024	80	120	30				2-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	2 - UART 2 - SPI 1 - I2C	Code Guard: ADVANCED	8 - Input Capture 8 - Std. PWM	1 A/D 16 x 12 - bit @200ksps	2.5V to 5.5V	80/TQFP
DSPIC30F5015	P	\$5.08	FLASH	16	66	2	1024	64	120	30				1-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	1 - UART 2 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 8 QEI: 1	4 - Input Capture 4 - Std. PWM	1 A/D 16 x 10 - bit @100ksps	2.5V to 5.5V	64/TQFP
DSPIC30F5016	P	\$5.59	FLASH	16	66	2	1024	80	120	30				1-CAN	FW, APM	GPIO PBOR POR WDT	5 x 16-bit 2 x 32-bit	1 - UART 2 - SPI 1 - I2C	Code Guard: BASIC MtrCntrl Ch.: 8 QEI: 1	4 - Input Capture 4 - Std. PWM	1 A/D 16 x 10 - bit @100ksps	2.5V to 5.5V	80/TQFP