

TMS320C2000™ Microcontrollers																																
Device	Processor				Memory			Control Interfaces										Communication Ports						External memory interface	Core supply (V)	GPIO pins	On-chip oscillator	Voltage regulator	Package pin counts	1 KU pricing (U.S. \$)		
	Speed (MHz)	FPU	CLA co-processor	VCU accelerator	DMA	Flash (KB)	RAM (KB)	ROM (KB)	PWM ch.	High-resolution PWM ch.	Quadrature encoder	Event captures	HRCAP	Timers*	12-bit ADC ch.	ADC conversion time (ns)	Comparators	OpAmp/PGA	USB	McBSP	FC	UART/SCI	SPI								CAN	LIN
<b>Piccolo™ MCU generation</b>																																
<b>TMS320F2802x MCUs</b>																																
TMS320F280220	40	-	-	-	-	16	6	Boot	7	-	-	1	-	8	13	1000	-	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	1.50
TMS320F280230	40	-	-	-	-	32	8	Boot	7	-	-	1	-	8	13	1000	-	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	1.62
TMS320F280260	50	-	-	-	-	16	6	Boot	7	-	-	1	-	8	13	800	-	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.08
TMS320F280270	50	-	-	-	-	32	8	Boot	7	-	-	1	-	8	13	800	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.23
TMS320F280200	40	-	-	-	-	16	6	Boot	9	-	-	-	-	8	13	500	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	1.85
TMS320F28020	40	-	-	-	-	32	6	Boot	9	-	-	1	-	9	13	500	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	1.99
TMS320F28021	40	-	-	-	-	64	10	Boot	9	-	-	1	-	9	13	500	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.20
TMS320F28022	50	-	-	-	-	32	12	Boot	9	-	-	1	-	9	13	260	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.25
TMS320F28023	50	-	-	-	-	64	12	Boot	9	4	-	1	-	9	13	260	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.45
TMS320F28026	60	-	-	-	-	32	12	Boot	9	4	-	1	-	9	13	217	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.65
TMS320F28027	60	-	-	-	-	64	12	Boot	9	4	-	1	-	9	13	217	2	-	-	-	1	1	1	-	-	-	3.3	22	2	Yes	38, 48	2.85
<b>TMS320F2803x MCUs</b>																																
TMS320F28030	60	-	-	-	-	32	12	Boot	15	-	1	1	1	12	16	500	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	2.79
TMS320F28031	60	-	-	-	-	64	16	Boot	15	-	1	1	1	12	16	500	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	2.97
TMS320F28032	60	-	-	-	-	64	20	Boot	15	7	1	1	1	12	16	217	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	3.49
TMS320F28033	60	-	Yes	-	-	64	20	Boot	15	7	1	1	1	12	16	217	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	4.11
TMS320F28034	60	-	-	-	-	128	20	Boot	15	7	1	1	1	12	16	217	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	3.75
TMS320F28035	60	-	Yes	-	-	128	20	Boot	15	7	1	1	1	12	16	217	3	-	-	-	1	1	2	1	1	-	3.3	44	2	Yes	56, 64, 80	4.41
<b>TMS320F2805x MCUs</b>																																
TMS320F28050	60	-	-	-	-	32	12	Boot	15	7	1	1	-	12	16	500	6	3	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	3.25
TMS320F28051	60	-	-	-	-	64	16	Boot	15	7	1	1	-	12	16	500	7	4	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	3.55
TMS320F28052	60	-	-	-	-	64	20	Boot	15	7	1	1	-	12	16	267	7	4	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	4.05
TMS320F28053	60	-	Yes	-	-	64	20	Boot	15	7	1	1	-	12	16	267	7	4	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	4.80
TMS320F28054	60	-	-	-	-	128	20	Boot	15	7	1	1	-	12	16	267	7	4	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	4.55
TMS320F28055	60	-	Yes	-	-	128	20	Boot	15	7	1	1	-	12	16	267	7	4	-	-	1	3	1	1	-	-	3.3	42	2	Yes	80	5.30
<b>TMS320F2806x MCUs</b>																																
TMS320F28062	90	Yes	-	-	Yes	128	52	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	4.95
TMS320F28063	90	Yes	-	-	Yes	128	68	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	5.40
TMS320F28064	90	Yes	-	Yes	Yes	128	100	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	6.20
TMS320F28065	90	Yes	Yes	Yes	Yes	128	100	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	7.10
TMS320F28066	90	Yes	-	-	Yes	256	68	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	6.20
TMS320F28067	90	Yes	-	-	Yes	256	100	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	6.60
TMS320F28068	90	Yes	-	Yes	Yes	256	100	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	7.00
TMS320F28069	90	Yes	Yes	Yes	Yes	256	100	Boot	19	8	2	7	4	17	16	325	3	-	1	1	1	2	2	1	-	-	3.3	54	2	Yes	80, 100	7.90

\*Timers include CPU timers, PWM timers, eCAP timers and Watchdog timers

†Prices are quoted in U.S. dollars and represent 2012 suggested retail pricing for baseline packages and device configurations. All prices are subject to change.