

Device	Speed (MHz)	Flash (kB)	RAM (kB)	Ext Mem	IO	ADC chan/res /ksps	DAC chan/res /ksps	Timers chan/size	PWM timer/res/ch	SPI/UART I2C/CAN/USB	RTC	Core Volts	Power Full/Slp (mW)	Temp °C	Package	1K Price	Price Date
Analog Devices																	
ARM7TDMI																	
ADUC7019	45.5	62	8	—	14	5/12/1M	3/12/100	2/16-2/32	—	1/1/2/-/-	Y	3.3	150/1	-40+125	40LFCSP	\$6.34	06/02/19
ADUC7020	45.5	62	8	—	14	5/12/1M	4/12/100	2/16-2/32	—	1/1/2/-/-	Y	3.3	150/1	-40+125	40LFCSP	\$6.80	06/02/19
ADUC7021	45.5	62	8	—	13	8/12/1M	2/12/100	2/16-2/32	—	1/1/2/-/-	Y	3.3	150/1	-40+125	40LFCSP	\$5.47	06/02/19
ADUC7022xxxx32	45.5	32	4	—	13	10/12/1M	—	2/16-2/32	—	1/1/2/-/-	Y	3.3	150/1	-40+125	40LFCSP	\$3.98	06/02/19
ADUC7022xxxx62	45.5	62	8	—	13	10/12/1M	—	2/16-2/32	—	1/1/2/-/-	Y	3.3	150/1	-40+125	40LFCSP	\$4.58	06/02/19
ADUC7024	45.5	62	8	—	30	10/12/1M	2/12/100	2/16-2/32	3-Phase	1/1/2/-/-	Y	3.3	150/1	-40+125	64LFCSP 64LQFP	\$7.00	06/02/19
ADUC7025xxxx32	45.5	32	8	—	30	12/12/1M	—	2/16-2/32	3-Phase	1/1/2/-/-	Y	3.3	150/1	-40+125	64LFCSP 64LQFP	\$5.24	06/02/19
ADUC7025xxxx62	45.5	62	8	—	30	12/12/1M	—	2/16-2/32	3-Phase	1/1/2/-/-	Y	3.3	150/1	-40+125	64LFCSP 64LQFP	\$5.98	06/02/19
ADUC7026	45.5	62	8	Y	40	12/12/1M	4/12/100	2/16-2/32	3-Phase	1/1/2/-/-	Y	3.3	150/1	-40+125	80LQFP	\$8.80	06/02/19
ADUC7027	45.5	62	8	Y	40	16/12/1M	—	2/16-2/32	3-Phase	1/1/2/-/-	Y	3.3	150/1	-40+125	80LQFP	\$6.42	06/02/19
Common family features: PLL for running from a 32.768 kHz xtal with real time clock, temperature sensor, bandgap reference for analog, 4 timers and UART/SPI/2-I2C or UART with full modem control or primitive PLA; note that there are two versions for 7022																	
Atmel																	
ARM7TDMI																	
AT91SAM7S16	55	16	4	—	21	8/10/384	—	2/16	4/16	1/1/1/-/-	Y	1.8	55/0	-40+85	LQFP48		
AT91SAM7S161	55	16	4	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8	55/0	-40+85	LQFP64		
AT91SAM7S32	55	32	8	—	21	8/10/384	—	2/16	4/16	1/1/1/-/-	Y	1.8	55/0	-40+85	LQFP48	\$4.06	06/02/25
AT91SAM7S321	55	32	8	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8	55/0	-40+85	LQFP64	\$4.92	06/09/24
AT91SAM7S64	55	64	16	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8	55/0	-40+85	LQFP64	\$5.50	06/02/25
AT91SAM7S128	55	128	32	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8	61/0	-40+85	LQFP64	\$7.15	06/02/25
AT91SAM7S256	55	256	64	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8	61/0	-40+85	LQFP64	\$8.71	06/02/25
AT91SAM7S512	55	512	64	—	32	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8		-40+85	LQFP64		
AT91SAM7SE256	55	256	32	Y	?	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8		-40+85	LQFP128 LFBGA144		
AT91SAM7SE512	55	512	32	Y	?	8/10/384	—	3/16	4/16	1/2/1/-/1	Y	1.8		-40+85	LQFP128 LFBGA144		
AT91SAM7X128	55	128	32	—	62	8/10/384	—	3/16	4/16	2/2/1/1/1/**	Y	1.8	92/0	-40+85	LQFP100	\$13.88	06/02/25
AT91SAM7X256	55	256	64	—	62	8/10/384	—	3/16	4/16	2/2/1/1/1/**	Y	1.8	92/0	-40+85	LQFP100	\$18.18	06/02/25
AT91SAM7XC128	55	128	32	—	62	8/10/384	—	3/16	4/16	2/2/1/1/1/**	Y	1.8	92/0	-40+85	LQFP100	\$15.24	06/02/25
AT91SAM7XC256	55	256	64	—	62	8/10/384	—	3/16	4/16	2/2/1/1/1/**	Y	1.8	92/0	-40+85	LQFP100	\$17.81	06/02/25
AT91SAM7A1	40	—	4	Y	32	2*8/10/45	—	9/16	4/16	1/3/-/1/-	Y	3.3		-40+85	LQFP144	\$7.37	06/02/25
AT91SAM7A2	30	—	16	Y	49	2*8/10/63	—	4/16	4/16	1/2/-/4/-	Y	3.3		-40+85	LQFP176	\$10.00	06/02/25
AT91SAM7A3	60	256	32	—	62	8/10/384	—	9/16	8/20	2/3/1/2/1	Y	1.8	231/1*	-40+85	LQFP100	\$16.13	06/02/25
Common family features: Pricing with grey background from Arrow web site and typically >= 40% high, other pricing is from Digikey qty 100, not manufacturer, RTC is run off an RC based clock, * power measurement on SAM7A3 does not separate 1.8 volt core current, ** Ethernet MAC																	

Device	Speed (MHz)	Flash (kB)	RAM (kB)	Ext Mem	IO	ADC chan/res /ksps	DAC chan/res /ksps	Timers chan/size	PWM timer/res/ch	SPI/UART I2C/CAN/USB	RTC	Core Volts	Power Full/Slp (mW)	Temp °C	Package	1K Price	Price Date
Freescale																	
ARM7TMDI																	
MAC7101	40/50	512	32	—	111	32/10/		10/24	16/16	2/4/1/4/-		2.5		-40+125	LQFP144	\$15.37	06/02/19
MAC7111	40/50	512	32	Y	111	16/10/		10/24	16/16	2/4/1/4/-		2.5		-40+125	LQFP144	\$15.12	06/02/19
MAC7121	40/50	512	32	—	84	16/10/		10/24	16/16	2/4/1/4/-		2.5		-40+125	LQFP112	\$15.03	06/02/19
MAC7131	40/50	512	32	Y	127	32/10/		10/24	16/16	2/4/1/4/-		2.5		-40+125	MAPBGA208	\$15.53	06/02/19
Common family features: 32 kB of Data Flash; 40 MHz at 3.3 volts, 50 MHz at 5 volt?; Many other family members available only to "Teir 1" automotive users																	
Luminary Micro																	
Cortex M3																	
LM3S101	20	8	2	—	18	—	—	2	—	1/1/-/-		2.5	116/?	-40+85	SO28		06/09/02
LM3S102	20	8	2	—	18	—	—	2	—	1/1/1/-		2.5	116/?	-40+85	SO28		06/09/02
LM3S301	20	16	2	—	33	3/10/250	—	2	2	1/1/-/-		2.5	116/?	-40+85	LQFP48		06/09/02
LM3S310	25	16	4	—	36	—	—	3	6	1/2/-/-		2.5	132/?	-40+85	LQFP48		06/09/02
LM3S315	25	16	4	—	32	4/10/250	—	3	2	1/2/-/-		2.5	132/?	-40+85	LQFP48		06/09/02
LM3S316	25	16	4	—	32	4/10/250	—	3	4	1/2/1/-		2.5	132/?	-40+85	LQFP48		06/09/02
LM3S328	25	16	4	—	28	8/10/500	—	3	—	1/2/1/-		2.5	132/?	-40+85	LQFP48		06/09/02
LM3S601	50	32	8	—	36	—	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S610	50	32	8	—	34	2/10/500	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S611	50	32	8	—	32	4/10/500	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S612	50	32	8	—	34	2/10/500	—	3	2	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S613	50	32	8	—	32	4/10/500	—	3	4	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S615	50	32	8	—	34	2/10/500	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S628	50	32	8	—	28	8/10/1000	—	3	—	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S801	50	64	8	—	36	—	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S811	50	64	8	—	32	4/10/500	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S812	50	64	8	—	34	2/10/250	—	3	2	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S815	50	64	8	—	34	2/10/500	—	3	6	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
LM3S828	50	64	8	—	28	8/10/1000	—	3	—	1/2/1/-		2.5	231/?	-40+85	LQFP48		06/09/02
Common family features: Cortex M3 ARM core with Serial Wire Debug (SWD), single clock multiply and hardware divide, MPU, programmable slew rate and strength on I/Os, analog comparators on some versions, quadrature encoder interface on some versions																	
OKI																	
ARM7TMDI																	
ML671000	24	—	4		62							3.3			QFP128		
ML67Q2301	No information available, but shows up on Nuhorizons web site, may be ARM with Ethernet																
ML674000	33	—	8	Y	32	8/10/	—	7/16	2/16	-/2/-/-	—	2.5	194/0	-40+85	TQFP128 LFBGA144	---- \$7.80	
ML674001	33	—	32	Y	42	4/10/200	—	7/16	2/16	-/2/1/-	—	2.5	159/0	-40+85	LQFP144 LFBGA144		
ML67Q4002	33	256	32	Y	42	4/10/200	—	7/16	2/16	-/2/1/-	—	2.5	159/0	-40+85	LQFP144 LFBGA144	--- \$9.69	
ML67Q4003	33	512	32	Y	42	4/10/200	—	7/16	2/16	-/2/1/-	—	2.5	159/0	-40+85	LQFP144 LFBGA144	--- \$11.54	

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ML675001	60	—	32	Y	42	4/10/201	—	7/17	2/17	-/2/1/-/	—	2.5	247/0	-40+86	LQFP144 LFBGA144	\$11.92 ---	
ML67Q5002	60	256	32	Y	42	4/10/202	—	7/18	2/18	-/2/1/-/	—	2.5	247/0	-40+87	LQFP144 LFBGA144		
ML67Q5003	60	512	32	Y	42	4/10/203	—	7/19	2/19	-/2/1/-/	—	2.5	247/0	-40+88	LQFP144 LFBGA144	\$13.69 \$13.06	
ML67Q4050	33	64	16	Y	108	4/10/50	—	6/16	timers	2/2/1/-/	Y	2.5		-40+85	LQFP144	\$10.49	06/03/05
ML67Q4051	33	128	16	Y	108	4/10/50	—	6/16	timers	2/2/1/-/	Y	2.5		-40+85	LQFP144 WCSP64	\$11.50 \$10.19	06/03/05
ML67Q4060	33	64	16	—	40	4/10/50	—	6/16	timers	2/2/1/-/	Y	2.5		-40+85	TQFP64 LFBGA84	\$7.97 \$10.18	06/03/05
ML67Q4061	33	128	16	—	40	4/10/50	—	6/16	timers	2/2/1/-/	Y	2.5		-40+85	WCSP64 TQFP64 LFBGA84	\$11.32 \$9.97 \$11.32	06/03/05
ARM9																	
ML696201	120	—	128	Y	88	4/10/166	—	4/16	1/1/6	-/1/1/-/1	Y	1.5	359/0	-30+70	LFBGA272		
ML69Q6203	120	512	128	Y	88	4/10/166	—	4/16	1/1/6	-/1/1/-/1	Y	1.5	359/0	-30+70	LFBGA272		
Common family features: Prices from Mouser or Nuhorizons, qty 100. Info on some devices is hard to get, OKI mainly supports high volume customers, other parts exist but are not openly documented																	
Philips																	
ARM7TMDI																	
LPC2101	70	8K	2K	—	32	8/10	—	6/32	1/32/14	2/2/2/-/	—	1.8	77/0*	-40+85	LQFP48	\$1.69	06/02/20
LPC2102	70	16K	4K	—	32	8/10	—	6/32	1/32/14	2/2/2/-/	—	1.8	77/0*	-40+85	LQFP48	\$2.13	06/02/20
LPC2103	70	32K	8K	—	32	8/10	—	6/32	1/32/14	2/2/2/-/	—	1.8	77/0*	-40+85	LQFP48	\$2.52	06/02/20
LPC2104	60	128K	16K	—	32	—	—	4/32	1/32/6	1/2/1/-/	—	1.8	57/0*	0+70	LQFP48	\$5.80	06/02/20
LPC2105	60	128K	32K	—	32	—	—	4/32	1/32/6	1/2/1/-/	—	1.8	57/0*	0+70	LQFP48	\$6.72	06/02/20
LPC2106	60	128K	64K	—	32	—	—	4/32	1/32/6	1/2/1/-/	—	1.8	57/0*	-40+85	LQFP48 HVQFN48	\$8.77	06/02/20
LPC2114	60	128K	16K	—	46	4/10	—	4/32	1/32/6	2/2/1/-/	Y	1.8	111/0*	-40+85	LQFP64	\$6.16	06/02/20
LPC2119	60	128K	16K	—	46	4/10	—	4/32	1/32/6	2/2/1/2/-	Y	1.8	111/0*	-40+85	LQFP64	\$7.02	06/02/20
LPC2124	60	256K	16K	—	46	4/10	—	4/32	1/32/6	2/2/1/-/	Y	1.8	111/0*	-40+85	LQFP64	\$6.72	06/02/20
LPC2129	60	256K	16K	—	46	4/10	—	4/32	1/32/6	2/2/1/2/-	Y	1.8	111/0*	-40+85	LQFP64	\$7.90	06/02/20
LPC2131	60	32K	8K	—	47	8/10	—	4/32	1/32/6	2/2/2/-/	Y	1.8	132/0	-40+85	LQFP64	\$3.73	06/02/20
LPC2132	60	64K	16K	—	47	8/10	1/10	4/32	1/32/6	2/2/2/-/	Y	1.8	132/0	-40+85	LQFP48 HVQFN48	\$4.67	06/02/20
LPC2134	60	128K	16K	—	47	2*8/10	1/10	4/32	1/32/6	2/2/2/-/	Y	1.8	132/0	-40+85	LQFP64	\$5.53	06/02/20
LPC2136	60	256K	32K	—	47	2*8/10	1/10	4/32	1/32/6	2/2/2/-/	Y	1.8	132/0	-40+85	LQFP64	\$6.89	06/02/20
LPC2138	60	512K	32K	—	47	2*8/10	1/10	4/32	1/32/6	2/2/2/-/	Y	1.8	132/0	-40+85	LQFP48 HVQFN48	\$8.26	06/02/20
LPC2141	60	32K	8K	—	45	6/10	—	4/32	1/32/6	2/2/2/-/1	Y	1.8	132/0	-40+85	LQFP64	\$4.49	06/02/20
LPC2142	60	64K	16K	—	45	6/10	1/10	4/32	1/32/6	2/2/2/-/1	Y	1.8	132/0	-40+85	LQFP64	\$5.42	06/02/20
LPC2144	60	128K	16K	—	45	14/10	1/10	4/32	1/32/6	2/2/2/-/1	Y	1.8	132/0	-40+85	LQFP64	\$6.28	06/02/20
LPC2146	60	256K	40K	—	45	14/10	1/10	4/32	1/32/6	2/2/2/-/1	Y	1.8	132/0	-40+85	LQFP64	\$7.65	06/02/20
LPC2148	60	512K	40K	—	45	14/10	1/10	4/32	1/32/6	2/2/2/-/1	Y	1.8	132/0	-40+85	LQFP64	\$9.01	06/02/20

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LPC2194	60	256K	16K	—	46	4/10		4/32	1/32/6	2/2/1/4/-		1.8	111/0*	-40+85	LQFP64	\$9.65	06/02/20
LPC2210	60	—	16K	Y	76	8/10		4/32	1/32/6	2/2/1/-/-		1.8	93/0*	-40+85	LQFP144	\$3.81	06/02/20
LPC2212	60	128K	16K	Y	112	8/10		4/32	1/32/6	2/2/1/-/-		1.8	111/0*	-40+85	LQFP144	\$8.19	06/02/20
LPC2214	60	256K	16K	Y	112	8/10		4/32	1/32/6	2/2/1/-/-		1.8	111/0*	-40+85	LQFP144	\$9.05	06/02/20
LPC2220	75	—	64K	Y	76	8/10		4/32	1/32/6	2/2/1/-/-		1.8	93/0*	-40+85	LQFP144	\$5.29	06/02/20
LPC2290	75	Ext.	16K	Y	76	8/10		4/32	1/32/6	2/2/1/2/-		1.8	93/0*	-40+85	TFBGA144	\$5.70	06/02/20
LPC2292	60	256K	16K	Y	112	8/10		4/32	1/32/6	2/2/1/2/-		1.8	93/0*	-40+85	LQFP144	\$9.91	06/02/20
LPC2294	60	256K	16K	Y	112	8/10		4/32	1/32/6	2/2/1/4/-		1.8	93/0*	-40+125	TFBGA144?	\$10.16**	06/02/20
Common family features: All devices with internal flash feature 128 bit wide fetches to provide instructions at full CPU speed; * No internal LDO for core 1.8 V power; ** Digikey prices, none available at Philips																	
ST Micro	ARM7TMDI																
STA2059		4 Mask	16	—	35	4/11/0.95	1/24/	2/16		2/2/-/1/1		1.8			PQFP 208	-	-
STR710FZ1	66	128	32	Y	48	4/12/1	—	4/16	—	2/4/2/1/1		1.8/3.3	99/-	-40+85	LFBGA144 TQFP144	\$9.06	
STR710FZ2	66	256	64	Y	48	4/12/1	—	4/16	—	2/4/2/1/1		1.8/3.3	99/-	-40+85	LFBGA144 TQFP144	\$10.06	
STR711FR0	66	64	16	—	30	4/12/1	—	4/16	—	2/4/2/-/1		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$5.67	
STR711FR1	66	128	32	—	30	4/12/1	—	4/16	—	2/4/2/-/1		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$7.19	
STR711FR2	66	256	64	—	30	4/12/1	—	4/16	—	2/4/2/-/1		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$8.19	
STR712FR0	66	64	16	—	32	4/12/1	—	4/16	—	2/4/2/1/-		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$5.67	
STR712FR1	66	128	32	—	32	4/12/1	—	4/16	—	2/4/2/1/-		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$6.31	
STR712FR2	66	256	64	—	32	4/12/1	—	4/16	—	2/4/2/1/-		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$7.37	
STR715FR0	66	64	16	—	32	4/12/1	—	4/16	—	2/4/2/-/1		1.8/3.3	99/-	-40+85	BGA 64 TQFP64	\$4.97	
STR720R	70	—	16	Y	34	4/12*/1.95	—	2/16	(2 timers)	2/2/-/1/1		1.8/3.3	160/0	-40+85	QFP208		
STR730FZ1	36	128	16	—	112	16/10/300	—	6/16	6/16/-	3/4/2/3/-		1.8/5	163/-	-40+105	TQFP 144		
STR730FZ2	36	256	16	—	112	16/10/300	—	6/16	6/16/-	3/4/2/3/-		1.8/5	163/-	-40+105	BGA 144 TQFP 144		
STR731FV0	36	64	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/3/-		1.8/5	163/-	-40+105	TQFP 100		
STR731FV1	36	128	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/3/-		1.8/5	163/-	-40+105	TQFP 100		
STR731FV2	36	256	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/3/-		1.8/5	163/-	-40+105	TQFP 100		
STR735FZ1	36	128	16	—	112	16/10/300	—	6/16	6/16/-	3/4/2/-/1		1.8/5	163/-	-40+105	TQFP 144		

Device	Speed (MHz)	Flash (kB)	RAM (kB)	Ext Mem	IO	ADC chan/res /ksps	DAC chan/res /ksps	Timers chan/size	PWM timer/res/ch	SPI/UART I2C/CAN/USB	RTC	Core Volts	Power Full/Slp (mW)	Temp °C	Package	1K Price	Price Date																																																																																																																																									
STR735FZ2	36	256	16	—	112	16/10/300	—	6/16	6/16/-	3/4/2/-/-		1.8/5	163/-	-40+105	BGA 144																																																																																																																																											
STR736FV0	36	64	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/-/-		1.8/5	163/-	-40+105	TQFP 144																																																																																																																																											
STR736FV1	36	128	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/-/-		1.8/5	163/-	-40+105	TQFP 100																																																																																																																																											
STR736FV2	36	256	16	—	72	12/10/300	—	6/16	6/16/-	3/4/2/-/-		1.8/5	163/-	-40+105	TQFP 100																																																																																																																																											
Common family features: ST71x all have 16 kB of data flash; ST73x all have 16 channels of DMA and RC timer; Parts with 105C Ta max are 125C Tj max, 85C Ta max are 105C Tj max; Pricing from Digikey, qty 1000;																																																																																																																																																										
TI	ARM7TMDI																																																																																																																																																									
TMS470R1A64	48	64	8	—	40	8/10/600	—	13	13	2/2/-/1/-		1.88	214/6	-40+105	LQFP80	\$4.95	05/12/09																																																																																																																																									
TMS470R1A128	48	128	8	—	50	16/10/600	—	16	16	2/2/-/1/-		1.93	218/6	-40+105	LQFP100	\$5.95	05/12/09																																																																																																																																									
TMS470R1A256	48	256	12	—	50	16/10/600	—	16	16	2/2/-/1/-		1.93	218/6	-40+105	LQFP100	\$6.95	05/12/09																																																																																																																																									
TMS470R1A288	48	288	16	Y	93	12/10/600	—	12	12	2/2/1/2/-		1.93	354/1	-40+105	LQFP100 LQFP144	\$7.95	05/12/09																																																																																																																																									
TMS470R1A384	48	384	32	Y	94	12/10/600	—	12	12	2/2/3/2/-		1.93	337/2	-40+105	LQFP100 LQFP144	\$8.95	05/12/09																																																																																																																																									
TMS470R1B512	60	512	32	—	87	16/10/600	—	32	32	3/2/-/2/-		1.93	324/8	-40+105	LQFP144	\$9.95	05/12/09																																																																																																																																									
TMS470R1B768	60	768	48	—	87	16/10/600	—	32	32	5/2/-/3/-		1.93	343/8	-40+105	LQFP144	\$12.95	05/12/09																																																																																																																																									
TMS470R1B1M	60	1024	64	Y	93	12/10/600	—	12	12	2/3/1/2/-		1.93	340/3	-40+105	LQFP144	\$14.95	05/12/09																																																																																																																																									
Common family features: I/Os are NOT 5 volt tolerant , pricing is for very high quantities, HET (high end timer) are user programmable RISC processors, power is calculated from max current data, pricing data is from marketing brochure																																																																																																																																																										
Packaging	<table border="0"> <thead> <tr> <th></th> <th colspan="7">Thermal °C/W</th> </tr> <tr> <th>Dimensions</th> <th>ADuC</th> <th>Atmel</th> <th>Freescall</th> <th>LM</th> <th>OKI</th> <th>Philips</th> <th>Stmicro</th> <th>TI</th> </tr> </thead> <tbody> <tr> <td>HVQFN48</td> <td colspan="7">7 x 7 x 1 P0.5</td> </tr> <tr> <td>LFCSP40</td> <td colspan="7">6 x 6 x 1</td> </tr> <tr> <td>LFCSP64</td> <td colspan="7">9 x 9 x 1</td> </tr> <tr> <td>LQFP48</td> <td colspan="7">9 x 9 x 1.6 P0.5</td> </tr> <tr> <td>LQFP64/TQFP64</td> <td colspan="7">12 x 12 x 1.6 P0.5</td> </tr> <tr> <td>LQFP80</td> <td colspan="7">14 x 14 x 1.6 P0.5</td> </tr> <tr> <td>LQFP/TQFP100</td> <td colspan="7">16 x 16 x 1.6 P0.5</td> </tr> <tr> <td>LQFP112</td> <td colspan="7">22 x 22 x 1.6 P0.65</td> </tr> <tr> <td>LQFP144/TQFP144</td> <td colspan="7">22 x 22 x 1.6 P0.5</td> </tr> <tr> <td>LQFP176</td> <td colspan="7">26 x 26 x 1.6 P0.5</td> </tr> <tr> <td>LFBGA64</td> <td colspan="7">8 x 8 x 1.7 P0.8</td> </tr> <tr> <td>LFBGA144</td> <td colspan="7">10 x 10 x 1.7 P0.8</td> </tr> <tr> <td>MAPBGA208</td> <td colspan="7">17 x 17 x 0.8 P1.0</td> </tr> <tr> <td>MAPBGA256</td> <td colspan="7">14 x 14 x 1.6 P0.8</td> </tr> <tr> <td>SO28</td> <td colspan="7">18 x 10 x 2.6 P1.27</td> </tr> </tbody> </table>																		Thermal °C/W							Dimensions	ADuC	Atmel	Freescall	LM	OKI	Philips	Stmicro	TI	HVQFN48	7 x 7 x 1 P0.5							LFCSP40	6 x 6 x 1							LFCSP64	9 x 9 x 1							LQFP48	9 x 9 x 1.6 P0.5							LQFP64/TQFP64	12 x 12 x 1.6 P0.5							LQFP80	14 x 14 x 1.6 P0.5							LQFP/TQFP100	16 x 16 x 1.6 P0.5							LQFP112	22 x 22 x 1.6 P0.65							LQFP144/TQFP144	22 x 22 x 1.6 P0.5							LQFP176	26 x 26 x 1.6 P0.5							LFBGA64	8 x 8 x 1.7 P0.8							LFBGA144	10 x 10 x 1.7 P0.8							MAPBGA208	17 x 17 x 0.8 P1.0							MAPBGA256	14 x 14 x 1.6 P0.8							SO28	18 x 10 x 2.6 P1.27						
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