



Memory Type	ROM Bytes	Data Flash Bytes	RAM Bytes	A/D	D/A	Serial Communication	Timers 8/16/32	GPIO	Operating Frequency/Supply Voltage	Temperature	Package	Digi-Key Part No.	Price Each		
													1	25	100
Flash	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30876FJBG#PU3-ND M30876FJBG#PU5-ND	21.80	20.35	18.89
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30876FJBG#PU3-ND M30876FJBG#PU5-ND	23.00	21.47	19.93
						7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30878FJAG#PU3-ND M30878FJAG#PU5-ND	24.23	22.61	21.00
				34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30878FJAG#PU3-ND M30878FJAG#PU5-ND	23.81	22.22	20.64
						7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30878FJAG#PU3-ND M30878FJAG#PU5-ND	21.65	20.21	18.76
						7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30878FJAG#PU3-ND M30878FJAG#PU5-ND	24.83	23.17	21.52
	768K	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	25.14	23.47	21.79
						6 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	24.09	22.49	20.88
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	21.83	20.37	18.92
				26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	25.20	23.52	21.84
						6 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	22.91	21.38	19.86
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	26.82	25.04	23.25
	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LAG#PU3-ND M30879LAG#PU5-ND	24.38	22.75	21.13
						6 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LAG#PU3-ND M30879LAG#PU5-ND	26.81	25.02	23.24
						6 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	24.36	22.74	21.12
						6 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	25.76	24.04	22.33
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	23.42	21.86	20.30
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	26.21	24.46	22.72
				34-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	27.77	25.92	24.07
						6 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	88	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LBF#PU3-ND M30879LBF#PU5-ND	25.28	23.59	21.91
						7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	27.41	25.58	23.76
						7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	24.90	23.24	21.58
						7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	27.20	25.43	23.61
						7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	24.77	23.12	21.47
768K	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	25.14	23.47	21.79	
					7 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	22.86	21.34	19.82	
					7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	27.20	25.39	23.57	
			34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	28.80	26.88	24.96	
					7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FKAG#PU3-ND M30879FKAG#PU5-ND	26.18	24.43	22.89	
					7 USART, IrDA, 5 I <sup>2</sup> C	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	28.02	26.16	24.29	
1M	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	25.64	23.93	22.22	
					7 USART, IrDA, 5 I <sup>2</sup> C, 1 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	29.22	27.28	25.33	
					7 USART, IrDA, 5 I <sup>2</sup> C, 2 CAN	—/11/—	124	32MHz/3.0 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FLGP#U3-ND M30879FLGP#U5-ND	26.72	24.94	23.16	
320K	—	18K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I <sup>2</sup> C, 3 CAN	—/11/—	88	32MHz/4.2 - 5.5V	-40°C - 85°C	100-LQFP	M30880FVTG#PU0-ND	38.28	35.73	33.18	

R8C Tiny Series

The R8C 16-bit microcontrollers are small in size, yet big in performance and value. They excel for 8-bit embedded system applications that need low-cost devices and deliver high performance, yet save space with small, low-pin count packages. These microcontrollers for general purpose applications deliver up to 20MHz speed, up to 96K of on-chip flash memory, offer versatile peripherals, and are packaged with 80 pins or less. Based on the MC16 family of 16-bit microcontrollers, the R8C Tiny inherits the same features of high performance, ROM code efficiency, low power consumption, and low noise, while its instruction compatibility allows the use of existing M16C family software resources.

Memory Type	ROM Bytes	Data Flash Bytes	RAM Bytes	A/D	D/A	Serial Communication	Timers 8/16/32	GPIO	Operating Frequency/Supply Voltage	Temperature	Package	Digi-Key Part No.	Price Each		
													1	25	100
Flash	4K	—	375	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211A1DD#U0-ND R5F211A1DSP#U0-ND R5F211A1SP#U0-ND	3.71	2.97	2.31
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211A2DD#U0-ND R5F211A2DSP#U0-ND R5F211A2SP#U0-ND	3.98	3.19	2.48
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211A3DD#U0-ND R5F211A3DSP#U0-ND R5F211A3SP#U0-ND	4.30	3.44	2.68
	8K	—	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4DD#U0-ND R5F211A4DSP#U0-ND R5F211A4SP#U0-ND	4.57	3.66	2.85
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4DD#U0-ND R5F211A4DSP#U0-ND R5F211A4SP#U0-ND	4.30	3.44	2.68
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4NP#U0-ND R5F211A4SP#U0-ND R5F211A4SP#U0-ND	4.70	3.77	2.93
	12K	—	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A3DD#U0-ND R5F211A3DSP#U0-ND R5F211A3SP#U0-ND	3.98	3.19	2.48
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A3DD#U0-ND R5F211A3DSP#U0-ND R5F211A3SP#U0-ND	4.43	3.55	2.76
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A3NP#U0-ND R5F211A3SP#U0-ND R5F211A3SP#U0-ND	3.71	2.97	2.31
	16K	—	1K	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4DD#U0-ND R5F211A4DSP#U0-ND R5F211A4SP#U0-ND	4.57	3.66	2.85
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4DD#U0-ND R5F211A4DSP#U0-ND R5F211A4SP#U0-ND	4.30	3.44	2.68
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A4NP#U0-ND R5F211A4SP#U0-ND R5F211A4SP#U0-ND	4.70	3.77	2.93
	4K	2K	375	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211B1DD#U0-ND R5F211B1DSP#U0-ND R5F211B1SP#U0-ND	3.87	3.10	2.41
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211B1DD#U0-ND R5F211B1DSP#U0-ND R5F211B1SP#U0-ND	3.58	2.87	2.23
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 20-LSSOP	R5F211B2DD#U0-ND R5F211B2DSP#U0-ND R5F211B2SP#U0-ND	4.43	3.55	2.76
	8K	2K	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B1DD#U0-ND R5F211B1DSP#U0-ND R5F211B2NP#U0-ND	4.14	3.32	2.58
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B1DD#U0-ND R5F211B1DSP#U0-ND R5F211B2NP#U0-ND	4.57	3.66	2.85
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B2SP#U0-ND R5F211B2SP#U0-ND R5F211B3NP#U0-ND	3.87	3.10	2.41
	12K	2K	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B3DD#U0-ND R5F211B3DSP#U0-ND R5F211B3NP#U0-ND	4.70	3.77	2.93
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B3DD#U0-ND R5F211B3DSP#U0-ND R5F211B3NP#U0-ND	4.43	3.55	2.76
						2 USART, 1 SSU*, 1 I <sup>2</sup> C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211B3NP#U0-ND R5F			

Memory Type	ROM Bytes	Data Flash Bytes	RAM Bytes	A/D	D/A	Serial Communication	Timers 8/16/32	GPIO	Operating Frequency/Supply Voltage	Temperature	Package	Digi-Key Part No.	Price Each		
													1	25	100
Flash	8K	4K	500	12-ch. 10-bit	—	2 USART	3/1/—	24	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP 32-LQFP	R5F21132DFP#UO-ND R5F21132FP#UO-ND	5.15 4.86	4.13 3.89	3.21 3.03
	12K	4K	750	12-ch. 10-bit	—	2 USART	3/1/—	24	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP 32-LQFP	R5F21133DFP#UO-ND R5F21133FP#UO-ND	4.82 5.13	3.86 4.11	3.26 3.20
	16K	4K	1K	12-ch. 10-bit	—	2 USART	3/1/—	24	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	32-LQFP 32-LQFP	R5F21134FP#UO-ND R5F21134DFP#UO-ND	5.42 5.10	4.34 4.08	3.38 3.45
	8K	—	500	4-ch. 10-bit	—	1 USART, 1 SSU*	3/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21142DSP#UO-ND R5F21142SP#UO-ND	3.98 3.71	3.19 2.97	2.48 2.31
	12K	—	750	4-ch. 10-bit	—	1 USART, 1 SSU*	3/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21143DSP#UO-ND R5F21143SP#UO-ND	4.30 3.98	3.44 3.19	2.68 2.48
	16K	—	1K	4-ch. 10-bit	—	1 USART, 1 SSU*	3/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21144DSP#UO-ND R5F21144SP#UO-ND	4.57 4.30	3.66 3.44	2.85 2.68
	8K	2K	500	4-ch. 10-bit	—	1 USART, 1 SSU*	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-SSOP 20-SSOP	R5F21152DSP#UO-ND R5F21152SP#UO-ND	4.43 4.14	3.55 3.32	2.76 2.58
	12K	2K	750	4-ch. 10-bit	—	1 USART, 1 SSU*	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-LSSOP	R5F21153DSP#UO-ND R5F21153SP#UO-ND	4.70 4.40	3.77 3.77	2.93 2.93
	16K	2K	1K	4-ch. 10-bit	—	1 USART, 1 SSU*	2/1/—	15	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SSOP 20-LSSOP	R5F21154SP#UO-ND R5F21154DSP#UO-ND	4.70 5.02	3.77 4.02	2.93 3.13
	8K	—	500	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21162DSP#UO-ND R5F21162SP#UO-ND	4.14 3.87	3.32 3.10	2.58 2.41
	12K	—	750	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21163DSP#UO-ND R5F21163SP#UO-ND	4.43 4.14	3.55 3.32	2.76 2.58
	16K	—	1K	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21164DSP#UO-ND R5F21164SP#UO-ND	4.70 4.43	3.77 3.55	2.93 2.76
	8K	2K	500	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-20°C - 85°C	20-SSOP	R5F21172SP#UO-ND	4.30	3.44	2.68
	12K	2K	750	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SSOP 20-LSSOP	R5F21173SP#UO-ND R5F21173SP#UO-ND	4.57 4.86	3.66 3.89	2.85 3.03
	16K	2K	1K	4-ch. 10-bit	—	1 USART, 1 I2C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C	20-LSSOP	R5F21174DSP#UO-ND	5.13	4.11	3.20
	4K	—	375	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21181DD#UO-ND R5F21181DS#UO-ND	3.58 3.44	2.87 2.76	2.23 2.15
										-20°C - 85°C	20-SSOP	R5F21181SP#UO-ND	2.99	2.40	1.87
	8K	—	500	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21182DD#UO-ND R5F21182DS#UO-ND	3.87 3.60	3.10 2.88	2.41 2.24
										-20°C - 85°C	28-HWQFN	R5F21182NP#UO-ND	3.98	3.19	2.48
										-20°C - 85°C	20-SSOP	R5F21182SP#UO-ND	3.44	2.76	2.15
	12K	—	750	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21183DD#UO-ND R5F21183DS#UO-ND	4.14 3.87	3.32 3.10	2.58 2.41
										-20°C - 85°C	28-HWQFN	R5F21183NP#UO-ND	4.30	3.44	2.68
										-20°C - 85°C	20-SSOP	R5F21183SP#UO-ND	3.58	2.87	2.23
	16K	—	1K	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21184DD#UO-ND R5F21184DS#UO-ND	4.43 4.16	3.55 3.33	2.76 2.59
										-20°C - 85°C	28-HWQFN	R5F21184NP#UO-ND	4.57	3.66	2.85
										-20°C - 85°C	20-SSOP	R5F21184SP#UO-ND	3.87	3.10	2.41
	4K	2K	375	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-SSOP	R5F21191DD#UO-ND R5F21191DS#UO-ND	3.98 3.42	3.19 2.74	2.48 2.13
										-40°C - 85°C	20-LSSOP	R5F21191SP#UO-ND	3.71	2.97	2.31
	8K	2K	500	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21192DD#UO-ND R5F21192DS#UO-ND	4.30 4.03	3.44 3.23	2.68 2.51
										-20°C - 85°C	28-HWQFN	R5F21192NP#UO-ND	4.43	3.55	2.76
										-20°C - 85°C	20-SSOP	R5F21192SP#UO-ND	3.71	2.97	2.31
	12K	2K	750	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21193DD#UO-ND R5F21193DS#UO-ND	4.57 4.30	3.66 3.44	2.85 2.68
										-20°C - 85°C	28-HWQFN	R5F21193NP#UO-ND	4.70	3.77	2.93
										-20°C - 85°C	20-SSOP	R5F21193SP#UO-ND	3.98	3.19	2.48
	16K	2K	1K	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C	20-SDIP 20-LSSOP	R5F21194DD#UO-ND R5F21194DS#UO-ND	4.86 4.59	3.89 3.68	3.03 2.86
										-20°C - 85°C	28-HWQFN	R5F21194NP#UO-ND	5.02	4.02	3.13
										-20°C - 85°C	20-LSSOP	R5F21194SP#UO-ND	4.30	3.44	2.68
	96K	—	7K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 I2C	3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212AASDFA#UO-ND	6.94	5.56	4.69
						3 USART, 1 SSU*, 1 I2C	3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212AASDFP#UO-ND	6.94	5.56	4.69
	128K	—	7.5K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 I2C	3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212AASNFF#UO-ND	6.66	5.33	4.50
						UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212ACSNFF#UO-ND	7.20	5.76	4.86
							3/4/—	57	20MHz/2.2 - 5.5V	-40°C - 85°C	64-TLGA	R5F212ACSNLGA#UO-ND <b>NEW!</b>	8.80	7.04	5.94
	48K	—	2.5K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212A7SDFP#UO-ND	6.14	4.92	4.15
							3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212A7SNFF#UO-ND	5.86	4.69	3.96
							3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212A7SNFA#UO-ND	5.86	4.69	3.96
	64K	—	3K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212A8SNFF#UO-ND	6.14	4.92	4.15
							3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212A8SNFA#UO-ND	6.14	4.92	4.15
	96K	1K	7K	12-ch. 10-bit	2-ch. 8-bit	UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-40°C - 85°C	64-LQFP	R5F212BASDFA#UO-ND <b>NEW!</b>	7.34	5.88	4.96
	2K	7K	12-ch. 10-bit	2-ch. 8-bit	3 USART, I2C	3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212BASNFA#UO-ND	7.06	5.65	4.77	
128K	1K	7.5K	12-ch. 10-bit	2-ch. 8-bit	UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-40°C - 85°C	64-LQFP	R5F212BCSDFA#UO-ND <b>NEW!</b>	7.86	6.29	5.31	
						3/4/—	55	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212BCSDFP#UO-ND <b>NEW!</b>	7.86	6.29	5.31	
						3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212BCSNFA#UO-ND <b>NEW!</b>	7.60	6.08	5.13	
	2K	7.5K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 I2C	3/4/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212BCSNFF#UO-ND	7.60	6.08	5.13	
48K	1K	2.5K	12-ch. 10-bit	2-ch. 8-bit	UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-40°C - 85°C	64-LQFP	R5F212B7SDFP#UO-ND <b>NEW!</b>	6.54	5.24	4.42	
						3/4/—	55	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B7SDFF#UO-ND <b>NEW!</b>	6.54	5.24	4.42	
						3/4/—	55	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B7SNFA#UO-ND <b>NEW!</b>	6.26	5.01	4.23	
	2K	2.5K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B7SNFF#UO-ND	6.26	5.01	4.23	
64K	1K	3K	12-ch. 10-bit	2-ch. 8-bit	UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-40°C - 85°C	64-LQFP	R5F212B8SDFP#UO-ND <b>NEW!</b>	6.80	5.44	4.59	
	2K	3K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B8SNFA#UO-ND <b>NEW!</b>	6.54	5.24	4.42	
	1K	3K	12-ch. 10-bit	2-ch. 8-bit	UART, SSU, SIO, I2C	3/4/—	55	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B8SNFF#UO-ND <b>NEW!</b>	6.54	5.24	4.42	
	2K	3K	12-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/2/—	57	20MHz/2.2 - 5.5V	-20°C - 85°C	64-LQFP	R5F212B8SNFF#UO-ND	6.54	5.24	4.42	
96K	2K	7K	20-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/4/—	73	20MHz/2.2 - 5.5V	-40°C - 85°C	80-LQFP	R5F212DASDFF#UO-ND	7.86	6.29	5.31	
128K	2K	7.5K	20-ch. 10-bit	2-ch. 8-bit	3 USART, I2C	3/4/—	73	20MHz/2.2 - 5.5V	-20°C - 85°C	80-LQFP	R5F212DCSNFF#UO-ND	8.14	6.52	5.50	
48K	2K	2.5K	20-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/4/—	73	20MHz/2.2 - 5.5V	-20°C - 85°C	80-LQFP	R5F212D7SNFF#UO-ND	6.80	5.44	4.59	
64K	2K	3K	20-ch. 10-bit	2-ch. 8-bit	3 USART, 1 SSU*, 1 I2C	3/4/—	73	20MHz/2.2 - 5.5V	-20°C - 85°C	80-LQFP	R5F212D8SNFF#UO-ND	7.06	5.65	4.77	
16K	—	512	—	—	2 UART	3/1/—	27	8MHz/2.7 - 5.5V	-20°C - 85°C	32-LQFP	R5F212G4SNFF#UO-ND	4.50	3.60	2.80	
24K	—	1K	—												

C

Memory Type	ROM Bytes	Data Flash Bytes	RAM Bytes	A/D	D/A	Serial Communication	Timers 8/16/32	GPIO	Operating Frequency/Supply Voltage	Temperature	Package	Digi-Key Part No.	1	Price Each 25	100
Flash	8K	1K	1K	9-ch. 10-bit	—	UART, SSI	2/3/—	25	20MHz/3.0 - 5.5V	-20°C - 85°C	32-LQFP	R5F212L2SNFP#U0-ND <b>NEW!</b>	5.24	4.66	3.50
	16K	1K	1.5K	9-ch. 10-bit	—	UART, SSI	2/3/—	25	20MHz/3.0 - 5.5V	-20°C - 85°C	32-LQFP	R5F212L4SNFP#U0-ND <b>NEW!</b>	5.56	4.94	3.71
	32K	—	2K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21206JFP#U1-ND <b>NEW!</b>	5.34	4.28	3.61
	48K	—	2.5K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21206KFP#U1-ND <b>NEW!</b>	5.84	4.68	3.95
									16MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21207JFP#U1-ND <b>NEW!</b>	5.84	4.68	3.95
	64K	—	3K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21207KFP#U1-ND <b>NEW!</b>	6.34	5.08	4.28
									16MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21208JFP#U1-ND <b>NEW!</b>	6.34	5.08	4.28
	32K	1K	2K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21216JFP#U1-ND <b>NEW!</b>	6.34	5.08	4.28
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21216KFP#U1-ND <b>NEW!</b>	6.86	5.49	4.64
	48K	1K	2.5K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21217KFP#U1-ND <b>NEW!</b>	7.36	5.89	4.97
	64K	1K	3K	12-ch. 10-bit	—	UART, SIO, I2C	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21218JFP#U1-ND <b>NEW!</b>	7.36	5.89	4.97
	96K	—	5K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F2122AJFP#U0-ND <b>NEW!</b>	7.52	6.02	5.08
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2122AKFP#U0-ND <b>NEW!</b>	8.00	6.40	5.40
	128K	—	6K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F2122CJFP#U0-ND <b>NEW!</b>	8.00	6.40	5.40
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2122CKFP#U0-ND <b>NEW!</b>	8.48	6.79	5.73
	32K	—	2K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21226DFP#U0-ND <b>NEW!</b>	6.14	4.92	4.15
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21226JFP#U1-ND <b>NEW!</b>	6.34	5.08	4.28
	48K	—	2.5K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21226KFP#U1-ND <b>NEW!</b>	6.86	5.49	4.64
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21227DFP#U0-ND <b>NEW!</b>	6.40	5.12	4.32
	64K	—	3K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21227JFP#U1-ND <b>NEW!</b>	6.86	5.49	4.64
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21227KFP#U1-ND <b>NEW!</b>	7.36	5.89	4.97
	96K	1K	5K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21228DFP#U0-ND <b>NEW!</b>	6.66	5.33	4.50
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21228JFP#U1-ND <b>NEW!</b>	7.36	5.89	4.97
	128K	1K	6K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F21228KFP#U1-ND <b>NEW!</b>	7.86	6.29	5.31
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2123AJFP#U0-ND <b>NEW!</b>	8.48	6.79	5.73
	32K	1K	2K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F2123AKFP#U0-ND <b>NEW!</b>	8.96	7.17	6.05
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2123CJFP#U0-ND <b>NEW!</b>	8.96	7.17	6.05
	48K	1K	2.5K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F2123CKFP#U0-ND <b>NEW!</b>	8.96	7.17	6.05
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2123DJFP#U0-ND <b>NEW!</b>	9.46	7.57	6.39
	64K	1K	3K	12-ch. 10-bit	—	UART, SIO, I2C, CAN	3/2/—	41	20MHz/3.0 - 5.5V	-40°C - 85°C	48-LQFP	R5F2123DFP#U0-ND <b>NEW!</b>	6.54	5.24	4.42
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F2123EJFP#U1-ND <b>NEW!</b>	7.36	5.89	4.97
	8K	—	500	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21237DFP#U0-ND <b>NEW!</b>	6.80	5.44	4.59
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21237JFP#U1-ND <b>NEW!</b>	7.86	6.29	5.31
	16K	—	1K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21238DFP#U0-ND <b>NEW!</b>	7.06	5.65	4.77
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21238JFP#U1-ND <b>NEW!</b>	8.38	6.71	5.66
	32K	—	2K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21244SDFP#U0-ND <b>NEW!</b>	4.82	3.86	3.26
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21244SNFP#U0-ND <b>NEW!</b>	5.13	4.11	3.20
	48K	—	2.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21246SDFP#U0-ND <b>NEW!</b>	5.10	4.08	3.45
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21246SNFP#U0-ND <b>NEW!</b>	4.82	3.86	3.26
	64K	—	3K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21247SDFP#U0-ND <b>NEW!</b>	5.60	4.48	3.78
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21247SNFP#U0-ND <b>NEW!</b>	5.34	4.28	3.61
	8K	—	500	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21248SDFP#U0-ND <b>NEW!</b>	5.80	4.64	3.92
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21248SNFP#U0-ND <b>NEW!</b>	5.60	4.48	3.78
	16K	—	1K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21254SDFP#U0-ND <b>NEW!</b>	5.22	4.18	3.53
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21254SNFP#U0-ND <b>NEW!</b>	4.96	3.97	3.35
	32K	2K	2K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21256SDFP#U0-ND <b>NEW!</b>	5.46	4.37	3.69
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21256SNFP#U0-ND <b>NEW!</b>	5.20	4.16	3.51
	48K	2K	2.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21257SDFP#U0-ND <b>NEW!</b>	6.00	4.80	4.05
									16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21257SNFP#U0-ND <b>NEW!</b>	5.74	4.60	3.88
	64K	2K	3K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/2/—	44	20MHz/2.2 - 5.5V	-40°C - 85°C	52-LQFP	R5F21258SDFP#U0-ND <b>NEW!</b>	6.26	5.01	4.23
16MHz/3.0 - 5.5V									-40°C - 125°C	48-LQFP	R5F21258SNFP#U0-ND <b>NEW!</b>	6.00	4.80	4.05	
8K	—	500	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21262SDFP#U0-ND <b>NEW!</b>	4.79	3.84	2.99	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21262SNFP#U0-ND <b>NEW!</b>	4.50	3.60	2.80	
16K	—	1K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21264SDFP#U0-ND <b>NEW!</b>	5.11	4.09	3.18	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21264SNFP#U0-ND <b>NEW!</b>	4.79	3.84	2.99	
24K	—	1.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21264YFP#U0-ND <b>NEW!</b>	5.04	4.04	3.41	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21265SDFP#U0-ND <b>NEW!</b>	5.40	4.32	3.36	
32K	—	1.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21265SNFP#U0-ND <b>NEW!</b>	5.11	4.09	3.18	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21266SDFP#U0-ND <b>NEW!</b>	5.06	4.05	3.42	
8K	2K	500	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21272SDFP#U0-ND <b>NEW!</b>	5.40	4.32	3.36	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21272SNFP#U0-ND <b>NEW!</b>	5.06	4.05	3.42	
16K	2K	1K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21274SDFP#U0-ND <b>NEW!</b>	5.56	4.45	3.46	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21274SNFP#U0-ND <b>NEW!</b>	5.24	4.20	3.27	
24K	2K	1.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21274YFP#U0-ND <b>NEW!</b>	5.60	4.48	3.78	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21275SDFP#U0-ND <b>NEW!</b>	5.20	4.16	3.51	
32K	2K	1.5K	12-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	28	20MHz/2.2 - 5.5V	-40°C - 85°C	32-LQFP	R5F21275SNFP#U0-ND <b>NEW!</b>	5.56	4.45	3.46	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21276SDFP#U0-ND <b>NEW!</b>	5.46	4.37	3.69	
8K	—	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	16	20MHz/2.2 - 5.5V	-40°C - 85°C	20-LSSOP	R5F21276SNFP#U0-ND <b>NEW!</b>	5.20	4.16	3.51	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21276YFP#U0-ND <b>NEW!</b>	5.80	4.64	3.92	
16K	1K	1K	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	16	20MHz/2.2 - 5.5V	-40°C - 85°C	20-LSSOP	R5F21282SDSP#U0-ND <b>NEW!</b>	4.21	3.37	2.62	
								16MHz/3.0 - 5.5V	-40°C - 125°C	48-LQFP	R5F21284SDSP#U0-ND <b>NEW!</b>	4.50	3.60	2.80	
Flash	60K	—	2K	8-ch. 10-bit	—	2 USART, 1 SSU*, 1 I2C	3/1/—	16	20MHz/2.2 - 5.5V	-40°C - 85°C	20-LSSOP	R5F21294SDSP#U0-ND <b>NEW!</b>	4.95	3.96	3.08

RoHS Compliant \*SSU = SPI\*

740 Family

Memory Type	ROM Bytes	Data Flash Bytes	RAM Bytes	A/D	D/A	Serial Communication	Timers 8/16/32	GPIO	Operating Frequency/Supply Voltage	Temperature	Package	Digi-Key Part No.	1	Price Each 25	100
Flash	36K	—	1K												