



Microcontrollers
M16C Family M16C Tiny Series (Cont.)

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	128K	— 4K 4K	12K	27-ch. 10-bit	—	5 USART, 2 I ² C, 1 CAN	—/9/—	71	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C -40°C - 85°C -20°C - 85°C	80-LQFP 80-LQFP 80-LQFP 80-LQFP	M30290FCHP#U3A-ND◆ M30290FCHP#U5A-ND◆ M30290FCHP#U7A-ND◆ M30290FCHP#U9A-ND◆	14.01	12.59	11.16
													13.36	12.00	10.64
													14.23	12.78	11.34
													13.58	12.20	10.82
Flash	96K	— 4K 4K	8K	16-ch. 10-bit	—	4 USART, 2 I ² C, 1 CAN	—/9/—	55	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C -40°C - 85°C -20°C - 85°C	64-LQFP 64-LQFP 64-LQFP 64-LQFP	M30291FAHP#U3A-ND◆ M30291FAHP#U5A-ND◆ M30291FAHP#U7A-ND◆ M30291FAHP#U9A-ND◆	12.48	11.24	9.97
													11.85	10.67	9.46
													12.71	11.45	10.15
													12.09	10.86	9.63
Flash	96K	—	8K	16-ch. 10-bit	—	4 USART, 2 I ² C, 1 CAN	—/9/—	55	20MHz/4.2 - 5.5V	-40°C - 125°C	64-LQFP	M30291FAVHP#U3A-ND◆	15.20	14.19	13.17
Flash	128K	— 4K 4K	12K	16-ch. 10-bit	—	4 USART, 2 I ² C, 1 CAN	—/9/—	55	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C -40°C - 85°C -20°C - 85°C	64-LQFP 64-LQFP 64-LQFP 64-LQFP	M30291FCHP#U3A-ND◆ M30291FCHP#U5A-ND◆ M30291FCHP#U7A-ND◆ M30291FCHP#U9A-ND◆	13.58	12.20	10.82
													12.91	11.63	10.31
													13.81	12.41	11.00
													13.16	11.82	10.49

M32 Series

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
ROMless	—	—	8K	10-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C	—/11/—	48	32MHz/3 - 5.5V	-20°C - 85°C -20°C - 85°C -20°C - 85°C -20°C - 85°C	100-QFP 100-QFP 100-LQFP 100-LQFP	M30800SAP#U5-ND◆ M30800SAP#U5-ND◆ M30800SAGP#U5-ND◆ M30800SAGP#U5-ND◆	9.57	8.60	7.63
													10.02	9.00	7.98
													8.90	8.00	7.09
													9.35	8.40	7.45
Flash	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-QFP 100-LQFP	M30833FJGP#U3-ND◆ M30833FJGP#U5-ND◆	40.19	37.51	34.83
													38.27	35.72	33.17
													39.95	37.29	34.62
Flash	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30833FJGP#U3-ND◆ M30833FJGP#U5-ND◆	39.95	37.29	34.62
													38.00	35.47	32.93
													41.70	38.92	36.14
Flash	512K	—	31K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30835FJGP#U3-ND◆ M30835FJGP#U5-ND◆	41.70	38.92	36.14
													39.68	37.03	34.39
													—	—	—
ROMless	—	—	10K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-20°C - 85°C	100-LQFP	M30840SGP#U5-ND◆	8.87	8.28	7.69
													10.88	9.80	8.69
Flash	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-QFP 100-QFP	M30843FHGP#U3-ND◆ M30843FHGP#U5-ND◆	24.86	23.20	21.55
													22.61	21.10	19.60
Flash	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C	100-LQFP	M30843FHGP#U3-ND◆	24.20	22.59	20.97
													22.01	20.54	19.08
Flash	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-20°C - 85°C	100-LQFP 100-LQFP	M30843FHGP#D5-ND◆ M30843FHGP#U5-ND◆	22.01	20.54	19.08
													22.01	20.54	19.08
Flash	512K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -40°C - 85°C -20°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP 100-LQFP 100-LQFP	M30843FJGP#U3-ND◆ M30843FJGP#U5-ND◆ M30843FJGP#D5-ND◆ M30843FJGP#U5-ND◆	27.06	25.26	23.46
													26.40	24.64	22.88
													24.60	22.96	21.32
													24.00	22.40	20.80
Flash	512K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-20°C - 85°C -20°C - 85°C -40°C - 85°C -20°C - 85°C	100-QFP 100-LQFP 100-LQFP 100-LQFP	M30843FJGP#U5-ND◆ M30843FJGP#U5-ND◆ M30843FJGP#D5-ND◆ M30843FJGP#U5-ND◆	24.60	22.96	21.32
													24.00	22.40	20.80
													24.60	22.96	21.32
													24.00	22.40	20.80
Flash	320K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30843FWGP#U3-ND◆ M30843FWGP#U5-ND◆	23.10	21.56	20.02
													21.00	19.60	18.20
Flash	384K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30845FHGP#U3-ND◆ M30845FHGP#U5-ND◆	27.50	25.67	23.83
													25.01	23.34	21.68
Flash	512K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30845FJGP#U3-ND◆ M30845FJGP#U5-ND◆	29.70	27.72	25.74
													27.00	25.20	23.40
Flash	320K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30845FWGP#U3-ND◆ M30845FWGP#U5-ND◆	26.40	24.64	22.88
													24.00	22.40	20.80
Flash	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C -20°C - 85°C	100-QFP 100-QFP 100-QFP 100-LQFP	M30853FHGP#D5-ND◆ M30853FHGP#U3-ND◆ M30853FHGP#U5-ND◆ M30853FHGP#U5-ND◆	23.60	22.03	20.45
													25.97	24.24	22.51
													23.60	22.03	20.45
													25.31	23.62	21.94
Flash	512K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C -40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP 100-QFP 100-QFP	M30853FJGP#U3-ND◆ M30853FJGP#U5-ND◆ M30853FJGP#U5-ND◆ M30853FJGP#U5-ND◆	27.50	25.67	23.83
													25.01	23.34	21.68
													28.17	26.30	24.42
													25.61	23.90	22.20
Flash	320K	—	24K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-20°C - 85°C -20°C - 85°C -40°C - 85°C -40°C - 85°C	100-QFP 100-LQFP 100-LQFP 100-LQFP	M30853FWGP#U5-ND◆ M30853FWGP#U5-ND◆ M30853FWGP#U3-ND◆ M30853FWGP#U5-ND◆	31.58	29.47	27.37
													31.34	29.25	27.16
													32.90	30.71	28.51
													28.61	26.70	24.80
Flash	384K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30855FHGP#U3-ND◆ M30855FHGP#U5-ND◆	28.61	26.70	24.80
													26.00	24.27	22.53
Flash	320K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30855FWGP#U3-ND◆ M30855FWGP#U5-ND◆	34.64	32.33	30.02
													33.00	30.80	28.60
Flash	512K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30855FJGP#U3-ND◆ M30855FJGP#U5-ND◆	30.80	28.75	26.69
													28.01	26.14	24.28
Flash	512K	—	24K	34-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 100-LQFP	M30855FJGP#U3-ND◆ M30855FJGP#D5-ND◆	31.91	29.78	27.66
													29.00	27.07	25.13
Flash	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30873FHGP#U3-ND◆ M30873FHGP#U5-ND◆	20.21	18.86	17.52
													18.36	17.14	15.92
	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30873FHGP#U3-ND◆ M30873FHGP#U5-ND◆	19.61	18.30	17.00
													17.82	16.64	15.45
	384K	—	24K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30873FHGP#U3-ND◆ M30873FHGP#U5-ND◆	20.81	19.42	18.04
													18.90	17.64	16.38
384K	—	24K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30875FHGP#U3-ND◆ M30875FHGP#U5-ND◆	22.02	20.56	19.09	
												20.18	18.83	17.49	
384K	—	24K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30875FHGP#U3-ND◆ M30875FHGP#U5-ND◆	21.42	20.00	18.57	
												19.64	18.33	17.02	
Flash	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30876FJAGP#U3-ND◆ M30876FJAGP#U5-ND◆	22.40	20.91	19.41
													20.36	19.00	17.65
	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30876FJAGP#U3-ND◆ M30876FJAGP#U5-ND◆	21.80	20.35	18.89
													19.82	18.50	17.18
	512K	—	31K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°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.	Price Each		
													1	25	100
Flash	768K	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FKBGP#U3-ND M30879FKBGP#U5-ND	24.09	22.49	20.88
Flash	768K	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879KFGP#U3-ND M30879KFGP#U5-ND	25.20	23.52	21.84
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-QFP 100-QFP	M30879FLAFP#U3-ND M30879FLAFP#U5-ND	26.82	25.04	23.25
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879FLAGP#U3-ND M30879FLAGP#U5-ND	26.81	25.02	23.24
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-QFP 100-QFP	M30879LFBFP#U3-ND M30879LFBFP#U5-ND	25.76	24.04	22.33
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LFBGP#U3-ND M30879LFBGP#U5-ND	26.21	24.46	22.72
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-QFP 100-QFP	M30879LFFP#U3-ND M30879LFFP#U5-ND	27.77	25.92	24.07
Flash	1M	—	48K	26-ch. 10-bit	2-ch. 8-bit	6 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	88	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	100-LQFP 100-LQFP	M30879LFGP#U3-ND M30879LFGP#U5-ND	27.41	25.58	23.76
Flash	768K	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FBKGP#U3-ND M30879FBKGP#U5-ND	27.24	25.43	23.61
Flash	768K	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FBKGP#U3-ND M30879FBKGP#U5-ND	25.14	23.47	21.79
Flash	768K	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879FBKGP#U3-ND M30879FBKGP#U5-ND	22.86	21.34	19.82
Flash	1M	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C, 1 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879LFBGP#U3-ND M30879LFBGP#U5-ND	28.80	26.88	24.96
Flash	1M	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879LFBGP#U3-ND M30879LFBGP#U5-ND	26.18	24.43	22.69
Flash	1M	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879LFBGP#U3-ND M30879LFBGP#U5-ND	28.02	26.16	24.29
Flash	1M	—	48K	34-ch. 10-bit	2-ch. 8-bit	7 USART, IrDA, 5 I ² C, 2 CAN	—/11/—	124	32MHz/3 - 5.5V	-40°C - 85°C -20°C - 85°C	144-LQFP 144-LQFP	M30879LFBGP#U3-ND M30879LFBGP#U5-ND	29.22	27.28	25.23
Flash	320K	—	18K	26-ch. 10-bit	2-ch. 8-bit	5 USART, 5 I ² C, 3 CAN	—/11/—	88	32MHz/4.2 - 5.5V	-40°C - 85°C	100-LQFP	M30880FWTGP#U0-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 ² C	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C	20-SDIP	R5F211A1DD#U0-ND	3.71	2.97	2.31
Flash	4K	—	375	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-LSSOP	R5F211A1DSP#U0-ND R5F211A1DSP#U0-ND	3.44	2.76	2.15
Flash	4K	2K	375	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP	R5F211B1DD#U0-ND R5F211B1DSP#U0-ND	4.14	3.32	2.58
Flash	4K	2K	375	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F211B1DSP#U0-ND	3.87	3.10	2.41
Flash	4K	—	375	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C	20-SSOP	R5F21181SP#U0-ND	2.99	2.40	1.87
Flash	4K	2K	375	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -20°C - 85°C -40°C - 85°C	20-SDIP 20-SSOP 20-LSSOP	R5F21191DD#U0-ND R5F21191SP#U0-ND R5F21191DSP#U0-ND	3.98	3.19	2.48
Flash	8K	—	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² 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	R5F211A2DD#U0-ND R5F211A2DSP#U0-ND R5F211A2NP#U0-ND	3.71	2.97	2.31
Flash	8K	—	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² 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	R5F211B2DD#U0-ND R5F211B2DSP#U0-ND R5F211B2NP#U0-ND	4.43	3.55	2.76
Flash	8K	2K	500	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C -20°C - 85°C	20-LSSOP 28-HWQFN 20-LSSOP	R5F211B2SP#U0-ND R5F211B2SP#U0-ND R5F211B2SP#U0-ND	4.16	3.33	2.59
Flash	8K	—	500	8-ch. 10-bit	—	2 USART	2/1/—	24	16MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP 32-LQFP	R5F21102DFF#U0-ND R5F21102FFP#U0-ND	4.57	3.66	2.85
Flash	16K	—	1K	8-ch. 10-bit	—	2 USART	3/1/—	24	16MHz/2.7 - 5.5V	-40°C - 85°C	32-LQFP	R5F21104DFF#U0-ND	4.30	3.44	2.68
Flash	8K	—	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	R5F21120DFF#U0-ND R5F21120FFP#U0-ND	5.13	4.11	3.20
Flash	12K	—	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	R5F21120DFF#U0-ND R5F21120FFP#U0-ND	4.75	3.80	2.96
Flash	16K	—	1K	12-ch. 10-bit	—	2 USART	3/1/—	24	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP	R5F21122DFF#U0-ND	4.43	3.55	2.76
Flash	8K	4K	500	8-ch. 10-bit	—	2 USART	3/1/—	24	16MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP	R5F21122FFP#U0-ND	5.02	4.02	3.13
Flash	12K	4K	750	8-ch. 10-bit	—	2 USART	3/1/—	24	16MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP	R5F21122FFP#U0-ND	4.70	3.77	2.93
Flash	8K	4K	500	12-ch. 10-bit	—	2 USART	3/1/—	24	16MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	32-LQFP	R5F21123DFF#U0-ND	5.29	4.23	3.29
Flash	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	32-LQFP 32-LQFP	R5F21132DFF#U0-ND R5F21132FFP#U0-ND	5.15	4.13	3.21
Flash	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#U0-ND R5F21142SP#U0-ND	4.86	3.89	3.03
Flash	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	R5F21143DSP#U0-ND	3.98	3.19	2.48
Flash	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-SSOP	R5F21142SP#U0-ND	3.71	2.97	2.31
Flash	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-LSSOP 20-SSOP	R5F21144DSP#U0-ND R5F21152SP#U0-ND	4.30	3.44	2.68
Flash	8K	—	500	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21162DSP#U0-ND R5F21162SP#U0-ND	4.57	3.66	2.85
Flash	8K	—	500	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP 20-SSOP	R5F21152SP#U0-ND R5F21162SP#U0-ND	4.43	3.55	2.76
Flash	12K	—	750	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F21163DSP#U0-ND	4.14	3.32	2.58
Flash	16K	—	1K	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F21162SP#U0-ND	3.87	3.10	2.41
Flash	8K	2K	500	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F21164DSP#U0-ND	4.43	3.55	2.76
Flash	8K	—	500	4-ch. 10-bit	—	1 USART, 1 I ² C	2/1/—	15	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-SSOP	R5F21172SP#U0-ND	4.70	3.77	2.93
Flash	8K	—	500	4-ch. Comparator	—	2 USART	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	R5F21182DD#U0-ND R5F21182DSP#U0-ND R5F21182NP#U0-ND	3.87	3.10	2.41
Flash	8K	—	500	4-ch. Comparator	—	2 USART	2/1/—	16	20MHz/2.7 - 5.5V	-20°C - 85°C -40°C - 85°C -20°C - 85°C	20-LSSOP 28-HWQFN 20-SSOP	R5F21182NP#U0-ND R5F21182NP#U0-ND R5F21182SP#U0-ND	3.60	2.88	2.24
Flash	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°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F21192DD#U0-ND R5F21192DSP#U0-ND R5F21192NP#U0-ND	4.30	3.44	2.68
Flash	12K	—	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-SDIP 20-LSSOP 28-HWQFN	R5F211A3DD#U0-ND R5F211A3DSP#U0-ND R5F211A3NP#U0-ND	4.03	3.23	2.51
Flash	12K	—	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F211A3SP#U0-ND	4.43	3.55	2.76
Flash	12K	—	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² 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 R5F211A3NP#U0-ND	3.71	2.97	2.31
Flash	12K	—	750	4-ch. 10-bit	—	2 USART, 1 SSU*, 1 I ² C	2/1/—	16	20MHz/2.7 - 5.5V	-40°C - 85°C -20°C - 85°C	20-LSSOP	R5F211B3DD#U0-ND	4.70	3.77	2.93
Flash	12K	—	750	8-ch. 10-bit	—	2 USART	3/1/—	24	16MHz/2.7 - 5.5V	-40					