RAM (Bytes)	SRAM (Bytes)	Flash (Bytes)	Timer	Serial	A/D	PWM	Operating Voltage (V)	Oper. Freq. (MHz)	Temperature (°C)	Package	Digi-Key Part No.	Price Each 1	25	100	Freescale Part No.
	—	—	3-Ch.	SCP, DUART	—	—	5.0	20	-40 ~ 85	144-TQFP	MC68EN302AG20BT-ND◆	41.90	34.90	32.84	MC68EN302AG20BT
	—	—	3-Ch.	SCP, DUART	—	—	5.0	25	-40 ~ 85	144-TQFP	MC68EN302AG25BT-ND◆	50.27	41.87	39.39	MC68EN302AG25BT
	—	—	4-Ch.	UART, SPI, TDM	—	—	5.0	25	-40 ~ 85	357-PBGA	MC68EN360VR25L-ND◆	69.99	56.68	54.84	MC68EN360VR25L
	—	—	—	—	—	—	5.0	16	-40 ~ 85	68-PLCC	MC68HC000EI16-ND◆	13.23	12.15	10.48	MC68HC000EI16
—	—	—	—	—	—	—	5.0	16	0 ~ 70	68-PLCC	MC68HC000EI16R2CT-ND◆§	13.23	10.01	9.23	MC68HC000EI16R2
	—	—	—	—	—	—	5.0	16	0 ~ 70	68-PLCC	MC68HC000EI16R2TR-ND◆‡		2769.25/250		MC68HC000EI16R2
	—	—	—	—	—	—	5.0	16	0 ~ 70	68-PLCC	MC68HC000EI16-ND◆	23.17	21.15	19.00	MC68HC000EI16
	—	—	—	—	—	—	5.0	16	0 ~ 70	64-TQFP	MC68SEC000AA16R2CT-ND◆§	11.78	8.91	8.22	MC68SEC000AA16R2
	—	—	—	—	—	—	5.0	16	0 ~ 70	64-TQFP	MC68SEC000AA16R2TR-ND◆‡		6678.75/750		MC68SEC000AA16R2
i.MX™ Processors															
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	200	-40 ~ 85	256-PBGA	MC9328MX1DVH20-ND	27.41	21.50	20.25	MC9328MX1DVH20
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	200	-40 ~ 85	256-PBGA	MC9328MX1DVM20-ND◆	28.27	22.18	20.89	MC9328MX1DVM20
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	200	-40 ~ 85	256-PBGA	MC9328MX1DVM20R2CT-ND◆§	28.27	22.18	20.89	MC9328MX1DVM20R2
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	200	-40 ~ 85	256-PBGA	MC9328MX1DVM20R2TR-ND◆‡		19308.00/1,000		MC9328MX1DVM20R2
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	200	-40 ~ 85	256-PBGA	MC9328MX1VM20-ND◆	28.27	22.18	20.89	MC9328MX1VM20
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	150	-40 ~ 85	256-MAPBGA	MC9328MX1CVM15-ND◆	27.08	21.24	20.01	MC9328MX1CVM15
32K	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	266	-40 ~ 85	289-MAPBGA	MC9328MX21CVK-ND◆	24.30	19.06	17.96	MC9328MX21CVK
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	266	-40 ~ 85	289-MAPBGA	MC9328MX21CVM-ND◆	21.22	16.65	15.68	MC9328MX21CVM
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	266	-40 ~ 85	289-MAPBGA	MC9328MX21DVK-ND◆	21.14	16.58	15.62	MC9328MX21DVK
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	266	0 ~ 70	289-MAPBGA	MC9328MX21VK-ND◆	21.14	16.58	15.62	MC9328MX21VK
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	266	0 ~ 70	289-MAPBGA	MC9328MX21VM-ND◆	18.47	14.49	13.65	MC9328MX21VM
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	150	-40 ~ 85	256-MAPBGA	MC9328MXLCVM15-ND◆	16.70	12.63	11.65	MC9328MXLCVM15
	—	—	2-32 Bit	IIC, SPI, UART, USB	4-Ch., 9-Bit	4	2.7 ~ 3.3	150	-40 ~ 85	225-MAPBGA	MC9328MXLCVP15-ND◆	15.74	11.91	10.98	MC9328MXLCVP15

◆ ***RoHS Compliant*** † 4-Channel DMA § Cut Tape ‡ Tape and Reel

C

32-Bit Development Tools

Device Numbers	Series	Digi-Key Part No.	Price Each	Freescale Part No.
MCIMX31	i.MX	MCIMX31LITEKITC-ND◆	688.50	MCIMX31LITEKITC
MCF5211	ColdFire™	M5211DEMO-ND◆	106.92	M5211DEMO
MCF5213	ColdFire	M5213EVBE-ND◆	323.04	M5213EVBE
MCF5270	ColdFire	M5270PROMO-ND	281.61	M5270PROMO
MCF5307	ColdFire	M5307C3-ND	609.46	M5307C3
MCF537X	ColdFire	M5373EVB-ND	754.92	M5373EVB
MCF5280/81/82	ColdFire	M5282LITEE-ND◆	193.44	M5282LITEE
MCF5270/71	ColdFire	M5271EVBE-ND◆	700.92	M5271EVBE
MCF547X	ColdFire	M5474LITEKIT-ND	378.00	M5474LITEKIT
MCF548X	ColdFire	M5484LITEKITE-ND◆	378.00	M5484LITEKITE
MCF5253	ColdFire	M5253EVBE-ND◆	680.86	M5253EVBE
MCF523X	ColdFire	M523XEVBE-ND◆	750.72	M523XEVBE
MCF5282 with MC9S08GT60, MC13192, MMA6261, MPXM2053	ColdFire	M5282ZIGBEE-ND	510.00	M5282ZIGBEE
MPC555	PowerPC™	MPC555CME-ND	734.83	MPC555CME
MPC561/62/63/64	PowerPC	MPC564EVB-ND	1011.92	MPC564EVB
MPC8313E	PowerQUICC™ II Pro	MPC8313E-RDB-ND◆	338.02	MPC8313E-RDB
MPC8323E	PowerQUICC II Pro	MPC8323E-RDB-ND◆	451.07	MPC8323E-RDB
MPC8349E	PowerQUICC II Pro	MPC8349E-MITXE-ND◆	790.22	MPC8349E-MITXE
MPC8360E	PowerQUICC II Pro	MPC8360E-RDK-ND◆	1129.37	MPC8360E-RDK

◆ ***RoHS Compliant***

CAN	A/D Converter	Oper. Freq. MHz	Internal Flash (Bytes)	Internal RAM (Bytes)	Package	Serial	Supply Voltage (V) Min. ~ Max.	Timers - Channels	Timers - Number of	Timers - Size (Bit)	Temperature (°C)	Digi-Key Part No.	Price Each 1	25	100	Freescale Part No.
NEW! Felix™ JM USB Microcontroller Family — RoHS Compliant NEW!																
CAN	12-Ch., 12-Bit				L-PQFP-G80			6, 2				MCF51JM64EVLK-ND	9.09	6.20	5.90	MCF51JM64EVLK
CAN	12-Ch., 12-Bit				L-PQFP-G44			6, 2				MCF51JM64VLD-ND	7.86	5.78	5.10	MCF51JM64VLD
—	8-Ch., 12-Bit	50	64K	8K	FL-PQFP-G64	SCI, SPI, I²C, USB, CAN	2.7 ~ 5.5	4, 2	1, 1	16, 16	-40 ~ 85	MCF51JM64VLH-ND	8.15	6.00	5.30	MCF51JM64VLH
CAN	12-Ch., 12-Bit				L-PQFP-G80			6, 2				MCF51JM64VLK-ND	8.39	6.17	5.45	MCF51JM64VLK
CAN	12-Ch., 12-Bit				PQFP-G64			6, 2				MCF51JM64VQH-ND	8.15	6.00	5.30	MCF51JM64VQH
CAN	12-Ch., 12-Bit				L-PQFP-G80			6, 2				MCF51JM128EVLK-ND	9.79	6.68	6.36	MCF51JM128EVL
CAN	12-Ch., 12-Bit				L-PQFP-G44			6, 2				MCF51JM128VLD-ND	8.53	5.83	5.54	MCF51JM128VLD
—	8-Ch., 12-Bit	50	128K	16K	FL-PQFP-G64	SCI, SPI, I²C, USB, CAN	2.7 ~ 5.5	4, 2	1, 1	16, 16	-40 ~ 85	MCF51JM128VLH-ND	8.85	6.04	5.75	MCF51JM128VLH
CAN	12-Ch., 12-Bit				L-PQFP-G80			6, 2				MCF51JM128VLK-ND	9.09	6.20	5.90	MCF51JM128VLH
CAN	12-Ch., 12-Bit				PQFP-G64			6, 2				MCF51JM128VQH-ND	8.85	6.04	5.75	MCF51JM128VQH

Flexis™ Microcontroller Series

The DEMOQE128 is a low-cost development system designed for demonstrating, evaluating and debugging the Freescale MC9S08QE128 and MCF51QE128 microcontrollers. The board supports two interchangeable plug-in daughter cards to quickly evaluate the 8-bit S08 and 32-bit ColdFire™ V1QE128 microcontrollers.

DEMOQE128-ND **$107.68**

The EVBQE128 Evaluation Board has been designed for the evaluation, demonstration and debugging of the Freescale Flexis QE128 Microcontrollers (MC9S08QE128 and MCF51QE128). The EVBQE128 can be used as a standalone application or can be controlled by a host PC via its built-in microDART™ interface.

EVBQE128-ND **$352.21**

NEW! Flexis™ JM Development Tools

The DEMOJM is a cost-effective kit enabling quick microcontroller evaluation. The kit includes a DEMOJM base board, a red MCF51JM128 daughter card, and a green MC9S08JM60 daughter card. The included kit can first be used to demonstrate the features of the MC9S08JM60 devices, starting with an on-chip USB device controller and transceiver. Then, move to MCF51JM128 with an on-chip USB host and device dual-role controller.

DEMOJM-ND **$111.92**

The EVB51JM128 is a low-cost development system for the Freescale MCF51JM128 ColdFire® microcontroller, which is a part of the Freescale FLEXIS Microcontroller Continuum.

CodeWarrior Development Tools provide support for quick and easy application development and debug.

EVB51JM128-ND **$367.41**