

# FREESCALE Sensors and Analog ICs



RoHS Compliant This product is RoHS compliant.

## INTELLIGENT MOTION SENSING PLATFORM

### Development Tools

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-KITMMA9550LEVM	KITMMA9550LEVM	For Development of MMA9550L Series - Includes 1 MMA9550L development board, 1 interface board, USB cable & Quickstart Guide	106.92
841-KITMMA9551LEVM	KITMMA9551LEVM	For Development of MMA9551L Series - Includes 1 MMA9551L development board, 1 interface board, USB cable & Quickstart Guide	106.92
841-MMA9559LKUBE	MMA9559LKUBE	For Development of MMA9559L Series	30.81



For quantities greater than listed, call for quote.

## 3-AXIS ACCELEROMETERS

MOUSER STOCK NO.	Freescale Part No.	Package	Acceleration Sensitivity (g)	Maximum Acceleration (g)	Digital Output (bits)	Interface	Output Data Rate	Price Each		
								1	25	100
841-MMA7660FCR1	MMA7660FCR1	DFN-10	1.5	10,000	6	I2C	User Select.	1.32	1.10	1.06
841-MMA8453QT	MMA8453QT	QFN-16	2, 4, 8	5000	8, 10	I2C	1.563-800	1.31	1.16	.73
841-MMA7455LT	MMA7455LT	LGA-14	2, 4, 8	5000	8, 10	I2C/SPI	125, 250 Hz	3.36	2.70	2.46
841-MMA7455LR1	MMA7455LR1	LGA-14	2, 4, 8	5000	8, 10	I2C/SPI	125, 250 Hz	3.36	2.70	2.46
841-MMA8453QR1	MMA8453QR1	QFN-16	2, 4, 8	5000	10	I2C	1.563-800	1.43	1.20	1.15
841-MMA8452QR1	MMA8452QR1	QFN-16	2, 4, 8	5000	12	I2C	1.563-800	1.43	1.20	1.15
841-MMA8451QT	MMA8451QT	QFN-16	2, 4, 8	5000	14	I2C	1.563-800	1.67	1.48	.93
841-MMA8451QR1	MMA8451QR1	QFN-16	2, 4, 8	5000	14	I2C	1.563-800	1.82	1.53	1.46
841-MMA8652FCR1	MMA8652FCR1	DFN-10	2, 4, 8	10,000	12	I2C	1.56Hz to 800Hz	1.20	1.01	.966
841-MMA8653FCR1	MMA8653FCR1	DFN-10	2, 4, 8	10,000	12	I2C	1.56Hz to 800Hz	1.12	.939	.899
841-MMA8450QT	MMA8450QT	QFN-16	2, 4, 8	10,000	12	I2C	User Select.	2.10	1.87	1.17
841-MMA8450QR1	MMA8450QR1	QFN-16	2, 4, 8	10,000	12	I2C	User Select.	2.27	1.90	1.82



For quantities greater than listed, call for quote.

### Accelerometer Development Tools

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-EVBCRTOUCH	EVBCRTOUCH	CRTouch Development Board	90.31
841-RD3803MMA7660FC	RD3803MMA7660FC	MMA7660 Evaluation Kit Board	119.00
841-RD3924MMA8450Q	RD3924MMA8450Q	MMA8450Q Sensor Toolbox Kit	99.00
841-LFSTBEB8450	LFSTBEB8450	MMA8450Q Evaluation Development Board	75.00
841-KIT3803MMA7660FC	KIT3803MMA7660FC	MMA7660 Evaluation Kit Daughter Board	35.00
841-LFSTBEB845X	LFSTBEB845X	MMA8450Q TripleAxis Digital Evaluation Kit	75.00
841-RDMMMA845X	RDMMMA845X	Acceleration Sensor Development Tool Kit for LFSTBUS/EB45X	99.00



## HIGH ACCURACY, THREE AXIS XTRINSIC DIGITAL MAGNETOMETER

MOUSER STOCK NO.	Freescale Part No.	Magnetic Field Sensitivity (Gauss)	Maximum Applied Magnetic Field (μT)	Sampling Rate	Bus	Supply Current Max (μA)	Voltage Supply (V)	Price Each		
								1	25	100
841-MAG3110FCR1	MAG3110FCR1	10	100000	80	I2C	900	.95 - 3.6	1.37	1.30	1.06



For quantities greater than listed, call for quote.

## PROXIMITY AND CAPACITIVE TOUCH SENSOR CONTROLLERS

MOUSER STOCK NO.	Freescale Part No.	Package	Touch Pads	Response Time (ms)	Interface and Input Control	Supply Current (μA)	Shut Down Current (μA)	Supply Voltage (V)	Price Each		
									1	25	100
841-MPR031EPR2	MPR031EPR2	QFN-D8	3	32	I2C	8	4	1.71 - 2.75	.87	.82	.787
841-MPR121QR2	MPR121QR2	QFN-20	12	64	I2C	29	3	1.71 - 3.6	1.15	.96	.90

For quantities greater than listed, call for quote.

### Development Tools

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-DEMOMPR031	DEMOMPR031	Demo board for MPR031	25.00
841-KITMPR03XEVM	KITMPR03XEVM	Evaluation Kit for MPR03X series	99.00
841-TSSEVB	TSSEVB	Touch Sensing Software Evaluation Board	99.99
841-KITMPR121EVM	KITMPR121EVM	Sensor Toolbox MPR121 Evaluation Kit	99.00

## ENGINE CONTROL ANALOG POWER IC

MOUSER STOCK NO.	Freescale Part No.	Package	Power Output Load - Current Typ(A)	Supply Voltage (V)	Power Output Load - Current Limit per Output - Min (A)	Power Output Load - Number of Channels	Drain-to-Source On Resistance Typ (Ω)	Price Each		
								1	25	100
841-MCZ33812EK	MCZ33812EK	SOIC-32	1, 0.3	4.9/36	3, 1	2, 1	0.25	4.06	3.61	2.78

For quantities greater than listed, call for quote.

## SYSTEM BASIS CHIP - GEN 2

MOUSER STOCK NO.	Freescale Part No.	VDD Output Voltage	LIN Interface(s)	Wake-up Input/LIN Master Termination	V <sub>AX</sub>	V <sub>SENSE</sub>	MUX	Price Each		
								1	25	100
841-MCZ33903CP5EK	MCZ33903CP5EK	5.0V	0	3 Wake-up	No	Yes	Yes	2.87	2.71	1.60
841-MCZ33903CS5EK	MCZ33903CS5EK	3.3V	1	2 Wake-up + 1 LIN or 3 Wake-up + no LIN	No	Yes	Yes	3.20	3.01	1.78
841-MCZ33903CD5EK	MCZ33903CD5EK	5.0V	2	1 Wake-up + 2 LIN or 2 Wake-Up + 1 LIN or 3 Wake-up + no LIN	No	Yes	Yes	3.50	3.30	1.95

For quantities greater than listed, call for quote.

## FREESCALE H-BRIDGES AND CONFIGURABLE SWITCHES

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage (V)	Supply Voltage (V)	Power Output Load Current (A)	Power Output Channels	Drain-to-Source On Resistance Typ (Ω)	Current Limit per Output Min. (A)	Interface Control	Price Each		
										1	25	100
841-MPC17C724EP	MPC17C724EP	QFN-16	2.7 to 5.5	2.7 to 5.5	0.4	2	-	-	Parallel	1.01	.95	.594

For quantities greater than listed, call for quote.

## FREESCALE ANALOG AND MIXED SIGNAL DEVELOPMENT TOOLS

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-KIT34704AEPEVBE	KIT34704AEPEVBE	Evaluation Kit -34704A - 8 Channel DC-DC Power Management IC	206.87
841-KIT34704BEPEVBE	KIT34704BEPEVBE	Evaluation Kit -34704B - 5 Channel DC-DC Power Management IC	206.87
841-KITLEDDBKLT16EVBE	KITLEDDBKLT16EVBE	Evaluation Kit -KIT-16 Ch LED driver board (256 LEDs)	470.16
841-KIT33812EKEVBE	KIT33812EKEVBE	Multifunctional Ignition and Injector Driver Evaluation board	97.46
841-KIT33812ECUEVME	KIT33812ECUEVME	Small Engine Control Reference Design featuring the 33812 and the S12P	249.91
841-KIT33903BD5EVBE	KIT33903BD5EVBE	MC33903 Evaluation board allows the user to implement the functionality of the MCZ33903D3 System Basic Chip (SBC)	107.96

