

FREESCALE Accelerometers and Analog ICs



RoHS Compliant **This product is RoHS compliant.**



Analog ICs

Freescale

FREESCALE ACCELEROMETERS

Acceleration sensors are designed to detect changes in force resulting from tilt, motion, positioning, shock and vibration. For consumer electronics that require a fast response time, high sensitivity, low-current consumption, low-voltage operation and a standby mode in a small profile package, Freescale's acceleration sensors are an ideal solution.

Low g Three-Axis Analog Output Acceleration Sensors

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Acceleration Sensitivity			Rolloff Frequency (Typ)(Hz)	Zero g Output (Typ)(V)	Supply Voltage (Typ.)(V)	Price Each			
			Acceleration (g)	Sensing Axis	Sensitivity (Typ.)(mV/g)				1	25	50	100
841-MMA7331LT	MMA7331LT	LGA 14	Selectable (4 / 12)	X, Y, Z	308 / 83.6	400 (XY) / 300 (Z)	1.4	2.8	2.32	1.92	1.76	1.75
841-MMA7341LT	MMA7341LT	LGA 14	Selectable (3 / 11)	X, Y, Z	440 / 117.8	400 (XY) / 300 (Z)	1.65	3.3	3.35	2.13	2.08	2.01
841-MMA7361LT	MMA7361LT	LGA 14	Selectable (1.5 / 6)	X, Y, Z	800 / 206	400 (XY) / 300 (Z)	1.65	3.3	3.35	2.13	2.12	2.01
841-MMA7368LT	MMA7368LT	LGA 14	1.5	X, Y, Z	800	400 (XY) / 300 (Z)	1.65	3.3	2.66	2.42	2.20	2.00

Low Power, Low g Three-Axis Digital Output Acceleration Sensor

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Acceleration Sensitivity	Maximum Acceleration (g)	Digital Output	Output Data Rate	Low Power Current Consumption (µA)			Price Each			
							Off	Standby	Active	1	25	50	100
841-MMA7660FCR1	MMA7660FCR1	DFN 10	1.5	10,000	I2C	User Select.	0.4	2	47	2.36	1.42	1.38	1.36

Low g Three-Axis Digital Output Acceleration Sensors

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Acceleration Sensitivity		Maximum Acceleration (g)	Digital Output	Analog Supply Voltage (Typ) (V)	Supply Current Drain (Typ) (µA)	Price Each			
			8-bit Mode (g)	10-bit Mode					1	25	50	100
841-MMA7455LT	MMA7455LT	LGA 14	Selectable (2 / 4 / 8)	8	5000	I2C / SPI	2.8	400	2.60	1.66	1.62	1.57

Accelerometer Development Tools

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-KIT3376MMA7331L	KIT3376MMA7331L	3-Axis Low g Analog Output Accelerometer Evaluation Kit	38.50
841-KIT3376MMA7341L	KIT3376MMA7341L	3-Axis Low g Analog Output Accelerometer Evaluation Kit	38.50
841-KIT3376MMA7361L	KIT3376MMA7361L	3-Axis Low g Analog Output Accelerometer Evaluation Kit	38.50
841-KIT3376MMA7368L	KIT3376MMA7368L	3-Axis Low g Analog Output Accelerometer Evaluation Kit	55.44
841-KIT3468MMA7455L	KIT3468MMA7455L	3-Axis Low g Digital Output Accelerometer Evaluation Kit	55.44
841-RD3803MMA7660FC	RD3803MMA7660FC	RD3803MMA7660 Evaluation Kit Board	150.79

FREESCALE 9-18V FOUR OUTPUT, MULTI-PURPOSE SWITCHING POWER SUPPLY



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Regulators-Switching	Protection	Interface and Input Control	Supply Voltage-Max(V)	Supply Voltage-Min(V)	Price Each			
								1	25	50	100
841-MC34700EP	MC34700EP	QFN-EP 32	3	OV, OC, UVD, Short	Parallel	18	1.5	1.53	1.41	1.31	1.21

FREESCALE MULTI-CHANNEL POWER MANAGEMENT IC



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Regulators-Switching	Protection	Interface and Input Control	Supply Voltage-Max(V)	Supply Voltage-Min(V)	1	25	50	100
841-MC34704AEP	MC34704AEP	QFN-EP 56	8 DC/DC	OV, OC, UVD, SHORT	I2C,PARALLEL	5	2.7	4.60	3.84	3.81	3.45
841-MC34704BEP	MC34704BEP	QFN-EP 56	5 DC/DC	OV, OC, UVD, SHORT	I2C,PARALLEL	5	2.7	4.81	3.50	3.39	3.30

FREESCALE 10 CHANNEL LED BACKLIGHT DRIVER W/ INTEGRATED POWER SUPPLY



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Regulators-Switching	Protection	Interface and Input Control	Supply Voltage-Max(V)	Supply Voltage-Min(V)	1	25	50	100
841-MC34844EP	MC34844EP	QFN-EP 32	1	60	3	30	7	3.35	2.14	2.07	2.01

FREESCALE H-BRIDGES AND CONFIGURABLE SWITCHES

Freescale's H-Bridge and Configurable switches are a selection of devices that provide Half Bridge, Full H-Bridge and configurable High and Low side switch capabilities. The devices are designed to service automotive as well as consumer/battery power loads. SMARTMOS™ technology provides the low RDS(on) MOSFET switches and control logic.

For quantities 250 and up, call for quote.

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	50	100
841-MC33886VW	MC33886VW	HSOP 20	0 to 30	5 to 30	3	2	-	-	Parallel	5.36	3.73	3.63	3.49
841-MC33887PNB	MC33887PNB	PWR QFN 36	0 to 30	5 to 30	3	2	0.24	5.2	Parallel	5.05	3.23	3.13	3.03
841-MC34920EI	MC34920EI	PLCC 44	21 to 42	3.3 to 5	-	-	-	-	SPI,Parallel	8.54	6.18	6.02	5.85
841-MC34923EG	MC34923EG	SOIC 24W	20 to 45	2.9 to 5.5	2	1	0.3	8	SPI,Parallel	6.03	4.99	4.56	4.17
841-MPC17510EJ	MPC17510EJ	TSSOP 24	0 to 15	2 to 15	3	1	-	-	Parallel	3.31	2.22	2.20	2.10
841-MPC17511AEP	MPC17511AEP	QFN 24	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.24	.91	.87	.76
841-MPC17511AEV	MPC17511AEV	S MFP16	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.48	.99	.97	.94
841-MPC17511AEVEL	MPC17511AEVEL	S MFP16	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.48	1.32	1.27	1.12
841-MPC17529EV	MPC17529EV	S MFP 20	0 to 11	0 to 5	0.7	2	-	-	Parallel	1.54	1.14	1.04	1.01
841-MPC17529EVEL	MPC17529EVEL	S MFP20	0 to 11	0 to 5.5	0.7	2	-	-	Parallel	1.54	1.15	1.05	1.04
841-MPC17531AEV	MPC17531AEV	S MFP20	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.69	1.25	1.13	1.10
841-MPC17531AEVEL	MPC17531AEVEL	S MFP20	0 to 11	2 to 6.8	0.7	2	-	-	Parallel	1.69	1.25	1.13	1.10
841-MPC17533EV	MPC17533EV	S MFP16	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.57	1.05	1.03	1.00
841-MPC17533EVEL	MPC17533EVEL	S MFP16	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.57	1.22	1.05	1.00
841-MPC17C724EP	MPC17C724EP	QFN 16	2.7 to 5.5	2.7 to 5.5	0.4	2	-	-	Parallel	.92	.656	.64	.60

FREESCALE H-BRIDGE STEPPER MOTORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage Max. (V)	Supply Voltage (V)	Power Output Channels	Interface Control	Price Each			
							1	25	50	100
841-MCZ33970EG	MCZ33970EG	SOIC 24W	26	4.5 to 5.5	4	SPI	3.16	2.33	2.29	2.13
841-MCZ33976EG	MCZ33976EG	SOIC 24W	26	4.5 to 5.5	4	SPI	3.39	2.49	2.44	2.28

FREESCALE ANALOG AND MIXED SIGNAL DEVELOPMENT TOOLS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-KIT34700EPEVBE	KIT34700EPEVBE	Evaluation Kit - 34700 Four Output, Integrated P/S	149.46
841-KIT34704AEPEVBE	KIT34704AEPEVBE	Evaluation Kit -34704A - 8 Channel DC-DC Power Management IC	182.04
841-KIT34704BEPEVBE	KIT34704BEPEVBE	Evaluation Kit -34704B - 5 Channel DC-DC Power Management IC	182.04
841-KIT34844EPEVME	KIT34844EPEVME	Evaluation Kit - 34844, 10 Ch LED Backlight Driver with Integrated Power Supply	110.31
841-KITLEDKLT16EVBE	KITLEDKLT16EVBE	Evaluation KIT-16 Ch LED driver board (256 LEDs)	470.16

