

LUMINARY MICRO Development Kits & Microcontrollers

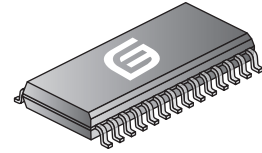


LUMINARY MICRO®
is now a part of TEXAS INSTRUMENTS

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STELLARIS™ FAMILY OF ARM® CORTEX-M3™ MICROCONTROLLERS

Luminary Micro, Inc. designs, markets, and sells ARM® Cortex™-M3-based microcontrollers (MCUs). The Stellaris family of microcontrollers incorporates the ARM Cortex-M3 MCU core running up to 50 MHz, embedded Flash and SRAM, a low-dropout voltage regulator, integrated brown-out reset and power-on reset functions, analog comparators, 10-bit ADC, SSI, GPIOs, watchdog and general purpose timers, UARTs, I/C, motion control PWMs, and quadrature encoder inputs. This core brings high-performance 32-bit computing to cost-sensitive embedded microcontroller applications, such as motion control, process control, and medical instrumentation. The Stellaris family is your only source for ARM-based microcontrollers featuring 32-bit performance for the same price as current 8/16-bit microcontroller designs!



MCU / MPU / DSP

Luminary Micro

MOUSER STOCK NO.	Luminary Micro Part No.	Flash (KB)	SRAM (KB)	UARTs	GPIOs	SSI	I2C	Analog Comparators	Watchdog Timer	General-Purpose Timer	LDO Voltage Regulator	PWM	CCP	Operating Temperature	Price Each		
															1	25	100
868-LM3S101-IRN20	LM3S101-IRN20	8	2	1	2-18	1	-	2	Yes	2	Yes	-	1	-40°C to 85°C	2.74	2.61	2.48
868-LM3S102-IRN20	LM3S102-IRN20	8	2	1	2-18	1	1	1	Yes	2	Yes	-	2	-40°C to 85°C	2.75	2.61	2.48
868-LM3S300-IQN25	LM3S300-IQN25	256	64	3	3-56	2	2	3	Yes	4	Yes	6	6	-40°C to 85°C	3.88	3.24	2.98
868-LM3S301-IQN20	LM3S301-IQN20	16	4	1	12-33	2	2	2	Yes	2	Yes	2	2	-40°C to 85°C	4.64	3.88	3.58
868-LM3S317-IQN25	LM3S317-IQN25	16	4	1	3-30	2	2	1	Yes	3	Yes	6	6	-40°C to 85°C	4.64	3.88	3.58
868-LM3S600-IQN50	LM3S600-IQN50	128	64	2	0-61	2	2	2	Yes	4	Yes	8	5	-40°C to 85°C	3.88	3.24	2.98
868-LM3S608-IQN50	LM3S608-IQN50	128	64	2	0-61	2	2	2	Yes	4	Yes	8	5	-40°C to 85°C	3.92	3.28	3.02
868-LM3S615-IQN50	LM3S615-IQN50	32	8	2	0-34	1	-	3	Yes	3	Yes	6	6	-40°C to 85°C	4.64	3.88	3.58
868-LM3S800-IQN50	LM3S800-IQN50	256	64	3	0-42	1	2	2	Yes	4	Yes	6	4	-40°C to 85°C	4.47	3.72	3.44
868-LM3S808-IQN50	LM3S808-IQN50	256	64	3	0-42	1	2	2	Yes	4	Yes	6	4	-40°C to 85°C	4.54	3.80	3.50
868-LM3S811-IQN50	LM3S811-IQN50	64	8	2	1-32	1	2	1	Yes	3	Yes	6	6	-40°C to 85°C	5.45	4.55	4.20
868-LM3S815-IQN50	LM3S815-IQN50	256	64	3	0-42	1	2	2	Yes	4	Yes	6	4	-40°C to 85°C	5.48	4.58	4.23
868-LM3S817-IQN50	LM3S817-IQN50	256	64	3	0-42	1	2	2	Yes	4	Yes	6	4	-40°C to 85°C	5.48	4.58	4.23
868-LM3S818-IQN50	LM3S818-IQN50	64	8	2	0-34	1	2	3	Yes	3	Yes	6	6	-40°C to 85°C	5.56	4.64	4.28
868-LM3S828-IQN50	LM3S828-IQN50	64	8	2	7-28	1	2	-	Yes	3	Yes	-	6	-40°C to 85°C	5.23	4.36	4.03
868-LM3S1133-IQC50	LM3S1133-IQC50	64	16	3	9-44	2	1	1	Yes	4	Yes	2	8	-40°C to 85°C	6.43	5.37	4.96
868-LM3S1439-IQC50	LM3S1439-IQC50	96	32	2	14-52	2	1	1	Yes	3	Yes	6	6	-40°C to 85°C	7.78	6.49	5.99
868-LM3S1538-IQC50	LM3S1538-IQC50	96	64	3	9-43	2	2	-	Yes	4	Yes	-	8	-40°C to 85°C	8.61	7.19	6.63
868-LM3S1608-IQC50	LM3S1608-IQC50	128	32	2	17-52	2	2	2	Yes	4	Yes	-	8	-40°C to 85°C	6.93	5.78	5.34
868-LM3S1918-IQC50	LM3S1918-IQC50	256	64	3	17-52	2	2	3	Yes	4	Yes	4	4	-40°C to 85°C	9.20	7.68	7.09
868-LM3S1958-IQC50	LM3S1958-IQC50	256	64	3	21-52	2	2	-	Yes	4	Yes	-	8	-40°C to 85°C	9.81	8.19	7.56
868-LM3S1968-IQC50	LM3S1968-IQC50	256	64	3	5-52	2	2	3	Yes	4	Yes	4	4	-40°C to 85°C	10.86	9.06	8.37
868-LM3S2965-IQC50	LM3S2965-IQC50	256	64	3	3-56	2	2	3	Yes	4	Yes	6	6	-40°C to 85°C	13.52	11.28	10.42
868-LM3S3748-IQC50	LM3S3748-IQC50	128	64	2	3-61	2	2	2	Yes	4	Yes	8	8	-40°C to 85°C	12.18	10.36	9.75
868-LM3S5632-IQR50	LM3S5632-IQR50	128	32	2	1-33	1	2	-	Yes	3	Yes	-	5	-40°C to 85°C	9.52	8.10	7.62
868-LM3S5749-IQC50	LM3S5749-IQC50	128	64	2	0-61	2	2	2	Yes	4	Yes	8	5	-40°C to 85°C	12.52	10.65	10.02
868-LM3S6422-IQC25	LM3S6422-IQC25	96	32	1	12-34	1	-	2	Yes	3	Yes	-	4	-40°C to 85°C	9.76	8.15	7.52
868-LM3S6618-IQC50	LM3S6618-IQC50	128	32	2	5-38	2	2	2	Yes	4	Yes	-	6	-40°C to 85°C	10.52	8.79	8.10
868-LM3S6637-IQC50	LM3S6637-IQC50	128	32	2	9-41	1	1	3	Yes	4	Yes	-	6	-40°C to 85°C	10.72	8.95	8.26
868-LM3S6911-IQC50	LM3S6911-IQC50	256	64	3	10-46	2	2	2	Yes	4	Yes	-	6	-40°C to 85°C	11.00	9.19	8.48
868-LM3S6918-IQC50	LM3S6918-IQC50	256	64	2	5-38	2	2	2	Yes	4	Yes	-	6	-40°C to 85°C	11.51	9.61	8.87
868-LM3S6938-IQC50	LM3S6938-IQC50	256	64	3	5-38	1	1	3	Yes	4	Yes	-	6	-40°C to 85°C	11.88	9.92	9.16
868-LM3S6950-IQC50	LM3S6950-IQC50	256	64	3	1-46	2	1	3	Yes	6	Yes	6	6	-40°C to 85°C	15.33	12.79	11.81
868-LM3S6965-IQC50	LM3S6965-IQC50	256	64	3	0-43	1	2	2	Yes	4	Yes	6	4	-40°C to 85°C	13.10	10.94	10.10
868-LM3S8930-IQC50	LM3S8930-IQC50	256	64	1	13-34	1	1	-	Yes	4	Yes	-	2	-40°C to 85°C	12.30	10.28	9.49
868-LM3S8962-IQC50	LM3S8962-IQC50	256	64	2	5-42	1	1	1	Yes	4	Yes	6	2	-40°C to 85°C	15.83	13.21	12.20
868-LM3S8971-IQC50	LM3S8971-IQC50	256	64	1	4-38	1	-	1	Yes	4	Yes	6	6	-40°C to 85°C	13.01	10.87	10.03

STELLARIS™ EVALUATION KITS, REFERENCE DESIGN KITS, AND MODULES

The Luminary Micro Stellaris™ Family Development Kit provides the hardware and software tools that engineers need to begin development quickly.

Features:

- Fully functional evaluation versions of microcontroller toolsets from ARM/Keil, CodeSourcery (GNU), Code Red Technologies and IAR
- Everything needed to develop and prototype embedded applications right out of the box, including all cables, jumpers, and power over USB

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
868-IA-LM3S102	IA-LM3S102	IAR Kickstart Eval Kit LM3S102	99.00
868-EKK-LM3S9B90	EKK-LM3S9B90	LM3S9B90 Eval Kit w/ Keil Tools	99.00
868-EKI-LM3S9B90	EKI-LM3S9B90	LM3S9B90 Eval Kit w/ IAR Tools	99.00
868-EKT-LM3S9B90	EKT-LM3S9B90	LM3S9B90 Eval Kit w/ CodeSourcery Tools	99.00
868-EKT-LM3S9B90	EKT-LM3S9B90	LM3S9B90 Eval Kit w/ Code Red Tools	99.00
868-EKK-LM3S9B92	EKK-LM3S9B92	LM3S9B92 Eval Kit w/ Keil Tools	116.16
868-EKI-LM3S9B92	EKI-LM3S9B92	LM3S9B92 Eval Kit w/ IAR Tools	116.16
868-EKT-LM3S9B92	EKT-LM3S9B92	LM3S9B92 Eval Kit w/ CodeSourcery Tools	116.16
868-EKT-LM3S9B92	EKT-LM3S9B92	LM3S9B92 Eval Kit w/ Code Red Tools	116.16
868-EKK-LM3S811	EKK-LM3S811	LM3S811 Eval Kit; Keil RealView	49.00
868-EKI-LM3S811	EKI-LM3S811	LM3S811 Eval Kit; IAR Systems	49.00
868-EKT-LM3S811	EKT-LM3S811	LM3S811 Eval Kit; CodeSourcery G++ GNU	57.78
868-EKT-LM3S811	EKT-LM3S811	LM3S811 Eval Kit; Code Red Technologies	49.00
868-EKK-LM3S1968	EKK-LM3S1968	LM3S1968 Eval Kit; Keil RealView	59.00
868-EKI-LM3S1968	EKI-LM3S1968	LM3S1968 Eval Kit; IAR Systems	59.00
868-EKT-LM3S1968	EKT-LM3S1968	LM3S1968 Eval Kit; CodeSourcery G++ GNU	69.57
868-EKT-LM3S1968	EKT-LM3S1968	LM3S1968 Eval Kit; Code Red Technologies	59.00
868-EKK-LM3S6965	EKK-LM3S6965	Ethernet Eval Kit; Keil RealView	69.00
868-EKI-LM3S6965	EKI-LM3S6965	Ethernet Eval Kit; IAR Systems	81.36
868-EKT-LM3S6965	EKT-LM3S6965	Ethernet Eval Kit; CodeSourcery G++ GNU	80.96
868-EKT-LM3S6965	EKT-LM3S6965	Ethernet Eval Kit; Code Red Technologies	69.00
868-EKK-LM3S2965	EKK-LM3S2965	CAN Eval Kit; Keil RealView	79.00
868-EKI-LM3S2965	EKI-LM3S2965	CAN Eval Kit; IAR Systems	79.00
868-EKT-LM3S2965	EKT-LM3S2965	CAN Eval Kit; Code Red Technologies	79.00

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
868-EKK-LM3S8962	EKK-LM3S8962	Ethernet+CAN Eval Kit; Keil RealView	104.42
868-EKI-LM3S8962	EKI-LM3S8962	Ethernet+CAN Eval Kit; IAR Systems	104.42
868-EKT-LM3S8962	EKT-LM3S8962	Ethernet+CAN Eval Kit; CodeSourcery G++ GNU	104.42
868-EKT-LM3S8962	EKT-LM3S8962	Ethernet+CAN Eval Kit; Code Red Technologies	104.42
868-MDL-IDM-L35	MDL-IDM-L35	3.5 Stellaris Intelligent Display Module	185.00
868-RDK-IDM-L35	RDK-IDM-L35	Serial-to-Ethernet Reference Design Kit	219.00
868-EKK-LM3S3748	EKK-LM3S3748	USB Host/Device Eval Kit; Keil RealView	127.89
868-MDL-ADA2	MDL-ADA2	JTAG Adapter Module Circuit Board 10 Pin	19.99
868-EKI-LM3S3748	EKI-LM3S3748	USB Host/Device Eval Kit; IAR Systems	127.89
868-EKT-LM3S3748	EKT-LM3S3748	USB Host/Device Eval Kit; CodeSourcery G++ GNU	127.89
868-EKT-LM3S3748	EKT-LM3S3748	USB Host/Device Eval Kit; Code Red Technologies	127.89
868-RDK-IDM	RDK-IDM	2.8" QVGA Intelligent Display Reference Design Kit	219.00
868-RDK-IDM-SBC	RDK-IDM-SBC	Single Board Computer Ref. Design Kit	350.82
868-MDL-IDM	MDL-IDM	Intelligent Display Module (single unit)	199.00
868-MDL-IDM28	MDL-IDM28	Intelligent Display Module, no PoE (single unit)	185.00
868-RDK-S2E	RDK-S2E	Serial-to-Ethernet Reference Design Kit	139.00
868-MDL-S2E	MDL-S2E	Serial-to-Ethernet Module (single unit)	45.99
868-MDL-S2E-B	MDL-S2E-B	Serial-to-Ethernet Module (bulk box)	48.00
868-RDK-BLDC	RDK-BLDC	Brushless DC Motor Control RDK	219.00
868-RDK-ACIM	RDK-ACIM	AC Induction Motor Reference Design Kit	444.09
868-RDK-STEPPER	RDK-STEPPER	Stepper Motor Reference Design Kit	199.00
868-MDL-BDC	MDL-BDC	Brushed DC Motor Control Module with CAN	109.00
868-RDK-BDC	RDK-BDC	Brushed DC Motor Reference Design Kit	219.00
868-DK-LM3S9B96	LM3S9B96	Tempest Full-Featured Development Kit	498.66

