

# LUMINARY MICRO ARM® Cortex™ -M3 Microcontrollers (Cont.)



Flash (KB)	SRAM (KB)	GPIOs†	Timers‡	ADC		UARTs	SSI	I <sup>2</sup> C	Analog Comparators	PWM§			QEI	Package	Speed (Clock Frequency in MHz)	Digi-Key Part No.	Price Each			Luminary Micro Part No.
				Sample Per Second	No. of 10-Bit Channels					PWM Pins	CCP Pins	1					25	100		
256	64	5-38	4	1M	8	3	1	1	3	—	6	—	100-LQFP	50	726-1079-ND	11.88	9.92	9.16	LM3S6938-ICQ50	
		5-38	4	500K	8	2	2	2	2	—	6	—	100-LQFP	50	726-1164-ND <b>NEW!</b>	11.51	9.61	8.87	LM3S6918-ICQ50	
		5-38	4	500K	8	2	2	2	2	—	6	—	108-BGA	50	726-1163-ND <b>NEW!</b>	11.51	9.61	8.87	LM3S6918-IBZ50	
		5-42	4	500K	4	2	1	1	1	1	6	2	2	100-LQFP	50	726-1126-ND	15.83	13.21	12.20	LM3S8962-ICQ50
		5-42	4	500K	4	2	1	1	1	1	6	2	2	108-BGA	50	726-1167-ND <b>NEW!</b>	15.83	13.21	12.20	LM3S8962-IBZ50
		5-43	3	500K	3	3	1	1	1	3	4	4	1	100-LQFP	50	726-1080-ND	19.07	15.92	14.70	LM3S6952-ICQ50
		5-52	4	1M	8	3	2	2	2	3	6	4	2	100-LQFP	50	726-1113-ND	10.86	8.06	8.37	LM3S1968-ICQ50
		5-52	4	1M	8	3	2	2	2	3	6	4	2	108-BGA	50	726-1142-ND <b>NEW!</b>	10.86	8.06	8.37	LM3S1968-IBZ50
		6-36	4	1M	4	2	1	1	1	3	—	4	—	100-LQFP	50	726-1124-ND	14.24	11.88	10.97	LM3S8933-ICQ50
		6-36	4	1M	4	2	1	1	1	3	—	4	—	108-BGA	50	726-1165-ND <b>NEW!</b>	11.88	9.92	9.16	LM3S6938-IBZ50
		7-60	4	—	—	—	3	2	2	3	6	8	2	100-LQFP	50	726-1112-ND	10.44	8.72	8.05	LM3S1960-ICQ50
		10-46	4	—	—	—	3	2	2	2	—	6	—	100-LQFP	50	726-1162-ND <b>NEW!</b>	11.00	9.19	8.48	LM3S6911-ICQ50
		10-46	4	—	—	—	3	2	2	2	—	6	—	108-BGA	50	726-1161-ND <b>NEW!</b>	11.00	9.19	8.48	LM3S6911-IBZ50
		10-60	4	—	—	—	3	2	1	3	6	6	1	100-LQFP	50	726-1068-ND	10.70	8.94	8.25	LM3S2950-ICQ50
		12-52	4	1M	8	3	2	1	1	3	—	8	—	100-LQFP	50	726-1067-ND	12.54	10.47	9.66	LM3S2948-ICQ50
		12-52	4	1M	8	3	2	1	1	3	—	8	—	108-BGA	50	726-1153-ND <b>NEW!</b>	12.54	12.07	11.14	LM3S2948-IBZ50
		13-34	4	—	—	—	1	1	1	—	—	2	—	100-LQFP	50	726-1123-ND	12.27	10.25	9.46	LM3S8930-ICQ50
		15-52	4	500K	8	2	2	2	2	2	—	8	—	108-BGA	50	726-1150-ND <b>NEW!</b>	9.94	8.30	7.66	LM3S2918-IBZ50
		15-52	4	500K	8	2	2	2	2	2	—	8	—	100-LQFP	50	726-1151-ND <b>NEW!</b>	9.94	8.30	7.66	LM3S2918-ICQ50
		17-46	4	—	—	—	2	2	1	—	—	2	—	100-LQFP	50	726-1127-ND	15.61	13.03	12.03	LM3S8970-ICQ50
		17-46	4	—	—	—	2	2	1	—	—	2	—	108-BGA	50	726-1168-ND <b>NEW!</b>	15.61	13.03	12.03	LM3S8970-IBZ50
		17-52	4	500K	8	2	2	2	2	2	—	8	—	100-LQFP	50	726-1140-ND <b>NEW!</b>	9.20	7.68	7.09	LM3S1918-ICQ50
		17-52	4	500K	8	2	2	2	2	2	—	8	—	108-BGA	50	726-1139-ND <b>NEW!</b>	9.20	7.68	7.09	LM3S1918-IBZ50
		17-57	3	500K	3	3	1	1	3	4	4	1	1	100-LQFP	50	726-1066-ND	11.25	9.39	8.67	LM3S2939-ICQ50
		18-57	3	500K	3	3	1	1	3	4	4	1	1	108-BGA	50	726-1152-ND <b>NEW!</b>	11.25	9.39	8.67	LM3S2939-IBZ50
		21-52	4	1M	8	3	2	2	—	—	8	8	—	100-LQFP	50	726-1111-ND	9.81	8.19	7.56	LM3S1958-ICQ50
		21-52	4	1M	8	3	2	2	—	—	8	8	—	108-BGA	50	726-1141-ND <b>NEW!</b>	9.81	8.19	7.56	LM3S1958-IBZ50
		21-60	4	—	—	—	3	2	2	2	—	8	—	100-LQFP	50	726-1149-ND <b>NEW!</b>	9.61	8.03	7.41	LM3S2911-ICQ50
		21-60	4	—	—	—	3	2	2	2	—	8	—	108-BGA	50	726-1148-ND <b>NEW!</b>	9.61	8.03	7.41	LM3S2911-IBZ50
		23-60	4	—	—	—	3	2	2	2	—	8	—	100-LQFP	50	726-1138-ND <b>NEW!</b>	8.74	7.30	6.74	LM3S1911-ICQ50
		23-60	4	—	—	—	3	2	2	2	—	8	—	108-BGA	50	726-1137-ND <b>NEW!</b>	8.74	7.30	6.74	LM3S1911-IBZ50
		27-56	3	1M	4	2	1	1	1	1	6	4	—	100-LQFP	50	726-1110-ND	13.50	11.27	10.41	LM3S1937-ICQ50

† Minimum is number of pins dedicated to GPIO; additional pins are available if certain peripherals are not used; See data sheet for details ‡ One timer available as RTC § PWM motion control functionality can be achieved through dedicated motion control hardware (using the PWM pins) or through the motion control features of the general-purpose timers (using CCP pins); See data sheet for details



# LUMINARY MICRO Stellaris® Evaluation and Design Kits



Description	Digi-Key Part No.	Price Each	Luminary Micro Part No.
Supplemental DB28 Daughterboard for the LM3S101 Microcontroller (Development Kit Required)	726-1024-ND	79.00	DB-LM3S101
Supplemental DB28 Daughterboard for the LM3S102 Microcontroller (Development Kit Required)	726-1025-ND	79.00	DB-LM3S102
Supplemental DB48 Daughterboard for the LM3S301 Microcontroller (Development Kit Required)	726-1026-ND	79.00	DB-LM3S301
Supplemental DB48 Daughterboard for the LM3S310, LM3S601 and LM3S801 Microcontrollers (Development Kit Required)	726-1027-ND	79.00	DB-LM3S801
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Supplemental DB48 Daughterboard for the LM3S312, LM3S312, LM3S315, LM3S312, LM3S315 Microcontrollers (Development Kit Required)	726-1029-ND	79.00	DB-LM3S315
Supplemental DB48 Daughterboard for the LM3S317, LM3S617 and LM3S817 Microcontrollers (Development Kit Required)	726-1030-ND	79.00	DB-LM3S817
Supplemental DB48 Daughterboard for the LM3S618 and LM3S818 Microcontrollers (Development Kit Required)	726-1031-ND	79.00	DB-LM3S818
Supplemental DB48 Daughterboard for the LM3S328, LM3S628 and LM3S828 Microcontrollers (Development Kit Required)	726-1032-ND	79.00	DB-LM3S828
Stellaris Family Development Kit for the LM3S101 Microcontroller	726-1033-ND	249.00	DK-LM3S101
Stellaris Family Development Kit for the LM3S102 Microcontroller	726-1034-ND	249.00	DK-LM3S102
Stellaris Family Development Kit for the LM3S301 Microcontroller	726-1035-ND	249.00	DK-LM3S301
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Stellaris Family Development Kit for the LM3S315, LM3S316, LM3S611, LM3S613, LM3S811 Microcontrollers	726-1037-ND	249.00	DK-LM3S811
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Stellaris Family Development Kit for the LM3S328, LM3S628 and LM3S828 Microcontrollers	726-1041-ND	249.00	DK-LM3S828
Stellaris Family Evaluation Kit for CodeSourcery's Sourcery G++	726-1042-ND	49.00	EKC-LM3S811
Stellaris Family Evaluation Kit for IAR Embedded Workbench®	726-1043-ND	49.00	EKI-LM3S811
Stellaris Family Evaluation Kit for MDK-ARM	726-1044-ND	49.00	EKK-LM3S811
CrossFire LM3S102 Evaluation Kit	726-1045-ND	99.00	IA-LM3S102
IAR Kickstart Kit for Stellaris LM3S102 Microcontroller	726-1046-ND	149.00	RA-LM3S102
Stellaris Family AC Induction Motor Reference Design Kit	726-1047-ND	379.00	RDK-ACIM
Reference Design Kit, BLDC Motor Control	726-1128-ND	219.00	RDK-BLDC
Stellaris Family Stepper Motor Reference Design Kit	726-1048-ND	199.00	RDK-STEPPER
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Stellaris Family Evaluation Kit for LM3S1000, CodeSourcery	726-1083-ND	59.00	EKC-LM3S1968
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Stellaris Family Evaluation Kit for LM3S8962, ETH+CAN, CodeSourcery	726-1086-ND	89.00	EKC-LM3S8962
Stellaris Family Evaluation Kit for LM3S8962, ETH+CAN, IAR	726-1087-ND	89.00	EKI-LM3S8962
LM3A2965 CAN Evaluation Kit	726-1049-ND	79.00	EKC-LM3S2965
LM3S6965 Ethernet Evaluation Kit	726-1050-ND	69.00	EKC-LM3S6965
LM3S2965 CAN Evaluation Kit	726-1051-ND	79.00	EKI-LM3S2965
LM3S6965 Ethernet Evaluation Kit	726-1052-ND	69.00	EKI-LM3S6965
LM3S2965 CAN Evaluation Kit	726-1053-ND	79.00	EKK-LM3S2965
LM3S6965 Ethernet Evaluation Kit	726-1054-ND	69.00	EKK-LM3S6965
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Stellaris Family Evaluation Kit for LM3S2965, ARM Cortex-M3	726-1131-ND <b>NEW!</b>	79.00	EKT-LM3S2965
Stellaris Family Ethernet Evaluation Kit for LM3S6965, ARM Cortex-M3	726-1132-ND <b>NEW!</b>	69.00	EKT-LM3S6965
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Stellaris Serial-to-Ethernet Module for Single-Unit Packaging	726-1175-ND <b>NEW!</b>	49.00	MDL-S2E
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Stellaris LM3S3748 USB Host/Device Evaluation Kit for IAR Systems Embedded Workbench (32KB code-size limited)	726-1185-ND <b>NEW!</b>	109.00	EKI-LM3S3748
Stellaris LM3S3748 USB Host/Device Evaluation Kit for CodeSourcery G++ GNU (30-day limited)	726-1186-ND <b>NEW!</b>	109.00	EKC-LM3S3748
Stellaris LM3S3748 USB Host/Device Evaluation Kit for Code Red Technologies Red Suite (board-locked)	726-1187-ND <b>NEW!</b>	109.00	EKT-LM3S3748

# LUMINARY MICRO NEW! Motor Control Boards



Description	Digi-Key Part No.	Price Each	Luminary Micro Part No.
Stellaris® ACIM Control Board	726-1171-ND	239.00	MDL-ACIM
Brushless DC Motor Control Board	726-1172-ND	149.00	MDL-BLDC
Stellaris Stepper Motor Control Board	726-1173-ND	169.00	MDL-STEPPER

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