



ARM® Cortex™ -M3 Microcontrollers (Cont.)



Flash (KB)	SRAM (KB)	GPIOs†	Timers‡	ADC		UARTs	SSI	I2C	Analog Comparators	PWMs		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			
128	64	18 - 56	3	500K	4	2	1	1	1	6	6	1	100-LQFP	50	726-1065-ND	9.79	8.17	7.54	LM3S2739-ICQ50		
		20 - 56	3	500K	4	2	1	1	1	6	6	1	108-BGA	50	726-1147-ND	9.79	8.17	7.54	LM3S2739-IBZ50		
		37 - 60	3	—	—	1	1	—	—	2	—	4	—	100-LQFP	50	726-1064-ND	8.72	7.28	6.72	LM3S2730-ICQ50	
		37 - 60	3	—	—	1	1	—	—	2	—	4	—	108-BGA	50	726-1146-ND	8.72	7.28	6.72	LM3S2730-IBZ50	
		3 - 56	4	1M	4	3	2	2	3	6	6	2	—	100-LQFP	50	726-1069-ND	13.52	11.28	10.42	LM3S2965-ICQ50	
256	64	3 - 56	4	1M	4	3	2	2	3	6	6	2	108-BGA	50	726-1154-ND	13.52	11.28	10.42	LM3S2965-IBZ50		
		10 - 60	4	—	—	3	2	1	3	6	6	1	100-LQFP	50	726-1068-ND	10.70	9.94	8.25	LM3S2950-ICQ50		
		12 - 52	4	1M	8	3	2	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	3	—	8	—	—	108-BGA	50	726-1153-ND	12.54	12.07	11.14	LM3S2948-IBZ50	
		15 - 52	4	500K	8	2	2	2	2	—	8	—	—	108-BGA	50	726-1150-ND	9.94	8.30	7.66	LM3S2918-IBZ50	
		15 - 52	4	500K	8	2	2	2	2	—	8	—	—	100-LQFP	50	726-1151-ND	9.94	8.30	7.66	LM3S2918-ICQ50	
		17 - 57	3	500K	3	3	1	1	3	4	4	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	—	108-BGA	50	726-1152-ND	11.25	9.39	8.67	LM3S2939-IBZ50	
		21 - 60	4	—	—	3	2	2	2	3	—	8	—	—	100-LQFP	50	726-1149-ND	9.61	8.03	7.41	LM3S2911-ICQ50
		21 - 60	4	—	—	3	2	2	2	3	—	8	—	—	108-BGA	50	726-1148-ND	9.61	8.03	7.41	LM3S2911-IBZ50
		USB Connected MCUs																			
128	64	32	1 - 33	3	500K	6	2	1	2	—	5	—	64-LQFP	50	726-1182-ND	9.53	7.95	7.34	LM3S5632-ICR50		
		0 - 61	4	1M	8	2	2	2	2	—	8	5	1	100-LQFP	50	726-1183-ND	12.51	10.45	9.64	LM3S5749-ICQ50	
		3 - 61	4	1M	8	2	2	2	2	—	8	8	1	100-LQFP	50	726-1181-ND	12.19	10.17	9.39	LM3S3748-ICQ50	
Ethernet +CAN Internetworking MCUs																					
96	64	7 - 36	4	1M	8	2	1	1	3	—	4	—	100-LQFP	50	726-1118-ND	12.56	10.48	9.68	LM3S8538-ICQ50		
		8 - 35	4	—	—	1	2	1	—	—	2	—	—	100-LQFP	50	726-1117-ND	12.43	10.37	9.58	LM3S8530-ICQ50	
128	64	32	10 - 31	4	—	—	2	1	1	—	—	—	100-LQFP	50	726-1119-ND	10.20	8.52	7.86	LM3S8630-ICQ50		
		4 - 38	4	500K	8	3	2	1	1	—	6	—	—	100-LQFP	50	726-1122-ND	11.23	9.37	8.65	LM3S8738-ICQ50	
		5 - 35	4	500K	4	2	1	1	3	—	4	—	—	100-LQFP	50	726-1121-ND	18.33	15.31	14.13	LM3S8733-ICQ50	
		11 - 32	4	—	—	2	1	1	—	—	2	—	—	100-LQFP	50	726-1120-ND	13.30	11.10	10.25	LM3S8730-ICQ50	
		3 - 38	4	1M	8	3	1	2	3	—	6	—	—	100-LQFP	50	726-1125-ND	14.45	12.07	11.14	LM3S8938-ICQ50	
256	64	4 - 38	4	1M	8	1	1	—	1	6	6	1	100-LQFP	50	726-1170-ND	13.01	10.87	10.03	LM3S8971-ICQ50		
		4 - 38	4	1M	8	1	1	—	1	6	6	1	108-BGA	50	726-1169-ND	13.01	10.87	10.03	LM3S8971-IBZ50		
		5 - 42	4	500K	4	2	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	6	2	2	—	108-BGA	50	726-1167-ND	15.83	13.21	12.20	LM3S8962-IBZ50	
		6 - 36	4	1M	4	2	1	1	3	—	4	—	—	100-LQFP	50	726-1124-ND	14.24	11.88	10.97	LM3S8933-ICQ50	
		13 - 34	4	—	—	1	1	1	—	—	2	—	—	100-LQFP	50	726-1123-ND	12.27	10.25	9.46	LM3S8930-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	15.61	13.03	12.03	LM3S8970-IBZ50	

† 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.



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 LM3S315, LM3S601 and LM3S801 Microcontrollers (Development Kit Required)	726-1027-ND	79.00	DB-LM3S801
Supplemental DB48 Daughterboard for the LM3S315, LM3S316, LM3S611, LM3S613 and LM3S811 Microcontrollers (Development Kit Required)	726-1028-ND	79.00	DB-LM3S811
Supplemental DB48 Daughterboard for the LM3S610, LM3S612, LM3S615, LM3S812, LM3S815 Microcontrollers (Development Kit Required)	726-1029-ND	79.00	DB-LM3S815
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
Stellaris Family Development Kit for the LM3S310, LM3S601 and LM3S801 Microcontrollers	726-1036-ND	249.00	DK-LM3S801
Stellaris Family Development Kit for the LM3S315, LM3S316, LM3S611, LM3S613, LM3S811 Microcontrollers	726-1037-ND	249.00	DK-LM3S811
Stellaris Family Development Kit for the LM3S610, LM3S612, LM3S615, LM3S812, LM3S815 Microcontrollers	726-1038-ND	249.00	DK-LM3S815
Stellaris Family Development Kit for the LM3S317, LM3S617, LM3S817 Microcontrollers	726-1039-ND	249.00	DK-LM3S817
Stellaris Family Development Kit for the LM3S618 and LM3S818 Microcontrollers	726-1040-ND	249.00	DK-LM3S818
Stellaris Family Development Kit for the LM3S328, LM3S628 and LM3S828 Microcontrollers	726-1041-ND	249.00	DK-LM3S828
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
LM3S811 Evaluation Kit; Keil RealView	726-1044-ND	49.00	EKK-LM3S811
LM3S811 Evaluation Kit; IAR Systems	726-1043-ND	49.00	EKI-LM3S811
LM3S811 Evaluation Kit; CodeSourcery G++ GNU	726-1042-ND	49.00	EKC-LM3S811
LM3S811 Evaluation Kit; Code Red Technologies	726-1129-ND	49.00	EKT-LM3S811
LM3S1968 Evaluation Kit; Keil RealView	726-1082-ND	59.00	EKK-LM3S1968
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LM3S1968 Evaluation Kit; CodeSourcery G++ GNU	726-1083-ND	59.00	EKC-LM3S1968
LM3S1968 Evaluation Kit; Code Red Technologies	726-1130-ND	59.00	EKT-LM3S1968
LM3S6965 Ethernet Evaluation Kit; Keil RealView	726-1054-ND	69.00	EKK-LM3S6965
LM3S6965 Ethernet Evaluation Kit; IAR Systems	726-1052-ND	69.00	EKI-LM3S6965
LM3S6965 Ethernet Evaluation Kit; CodeSourcery G++ GNU	726-1050-ND	69.00	EKC-LM3S6965
LM3S6965 Ethernet Evaluation Kit; Code Red Technologies	726-1132-ND	69.00	EKT-LM3S6965
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LM3S2965 CAN Evaluation Kit; IAR Systems	726-1051-ND	79.00	EKI-LM3S2965
LM3S2965 CAN Evaluation Kit; CodeSourcery G++ GNU	726-1049-ND	79.00	EKC-LM3S2965
LM3S2965 CAN Evaluation Kit; Code Red Technologies	726-1131-ND	79.00	EKT-LM3S2965
LM3S8962 Ethernet+CAN Evaluation Kit; Keil RealView	726-1085-ND	89.00	EKK-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; IAR Systems	726-1087-ND	89.00	EKI-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; CodeSourcery G++ GNU	726-1086-ND	89.00	EKC-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; Code Red Technologies	726-1133-ND	89.00	EKT-LM3S8962
LM3S3748 USB Host/Device Evaluation Kit; Keil RealView	726-1184-ND	109.00	EKK-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; IAR Systems	726-1185-ND	109.00	EKI-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; CodeSourcery G++ GNU	726-1186-ND	109.00	EKC-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; Code Red Technologies	726-1187-ND	109.00	EKT-LM3S3748
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Brushless DC Motor Control Reference Design Kit	726-1128-ND	219.00	RDK-BLDC
Stepper Motor Reference Design Kit	726-1048-ND	199.00	RDK-STEPPER

Production Ready Modules



Description	Digi-Key Part No.	Price Each	Luminary Micro Part No.
Intelligent Display Module	726-1174-ND	199.00	MDL-IDM
Serial-to-Ethernet Module	726-1175-ND	49.00	MDL-S2E
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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