



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	7.11	5.94	5.48	LM3S2739-ICQ50	
		20 - 56	3	500K	4	2	1	1	1	6	6	1	108-BGA	50	726-1147-ND	7.11	5.94	5.48	LM3S2739-IBZ50	
		37 - 60	3	—	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1064-ND	6.33	5.29	4.88	LM3S2730-ICQ50
		37 - 60	3	—	—	—	—	—	—	—	—	—	—	108-BGA	50	726-1146-ND	6.33	5.29	4.88	LM3S2730-IBZ50
256	64	3 - 56	4	1M	4	3	2	2	3	6	6	2	100-LQFP	50	726-1069-ND	9.82	8.19	7.57	LM3S2965-ICQ50	
		3 - 56	4	1M	4	3	2	2	3	6	6	2	108-BGA	50	726-1154-ND	9.82	8.19	7.57	LM3S2965-IBZ50	
		10 - 60	4	—	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1068-ND	7.77	6.50	5.99	LM3S2950-ICQ50
		12 - 52	4	1M	8	3	2	1	3	—	—	—	—	100-LQFP	50	726-1067-ND	9.10	7.61	7.02	LM3S2948-ICQ50
		12 - 52	4	1M	8	3	2	1	3	—	—	—	—	108-BGA	50	726-1153-ND	9.10	7.61	7.02	LM3S2948-IBZ50
		15 - 52	4	500K	8	2	2	2	2	—	8	—	—	108-BGA	50	726-1150-ND	7.22	6.03	5.57	LM3S2918-IBZ50
		15 - 52	4	500K	8	2	2	2	2	—	8	—	—	100-LQFP	50	726-1151-ND	7.22	6.03	5.57	LM3S2918-ICQ50
		17 - 57	3	500K	3	3	1	1	3	4	4	1	—	100-LQFP	50	726-1066-ND	8.17	6.82	6.30	LM3S2939-ICQ50
		18 - 57	3	500K	3	3	1	1	3	4	4	1	—	108-BGA	50	726-1152-ND	8.17	6.82	6.30	LM3S2939-IBZ50
		21 - 60	4	—	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1149-ND	6.98	5.83	5.38	LM3S2911-ICQ50
		21 - 60	4	—	—	—	—	—	—	—	—	—	—	108-BGA	50	726-1148-ND	6.98	5.83	5.38	LM3S2911-IBZ50
		USB Connected MCUs																		
128	64	32	1-33	3	500K	6	2	1	2	—	5	—	64-LQFP	50	726-1182-ND	6.92	5.78	5.33	LM3S5632-ICR50	
		0-61	4	1M	8	2	2	2	2	8	5	1	100-LQFP	50	726-1183-ND	9.08	7.59	7.00	LM3S5749-ICQ50	
		3-61	4	1M	8	2	2	2	2	8	8	1	100-LQFP	50	726-1181-ND	8.85	7.39	6.82	LM3S3748-ICQ50	
Ethernet +CAN Interworking MCUs																				
96	64	7-36	4	1M	8	2	1	1	3	—	4	—	100-LQFP	50	726-1118-ND	9.12	7.61	7.03	LM3S8538-ICQ50	
		8-35	4	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1117-ND	9.02	7.53	6.96	LM3S8530-ICQ50	
128	64	32	10-31	4	—	—	—	—	—	—	—	—	100-LQFP	50	726-1119-ND	7.41	6.19	5.71	LM3S8630-ICQ50	
		4-38	4	500K	3	8	3	2	1	1	—	—	—	100-LQFP	50	726-1122-ND	8.15	6.81	6.28	LM3S8738-ICQ50
		5-35	4	500K	4	2	1	1	3	—	—	—	—	100-LQFP	50	726-1121-ND	13.31	11.12	10.26	LM3S8733-ICQ50
		11-32	4	—	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1120-ND	9.66	8.06	7.45	LM3S8730-ICQ50
	3-38	4	1M	8	3	1	2	3	—	—	—	—	100-LQFP	50	726-1125-ND	10.49	8.77	8.09	LM3S8938-ICQ50	
	4-38	4	1M	8	1	1	—	—	1	6	6	1	100-LQFP	50	726-1170-ND	9.45	7.90	7.29	LM3S8971-ICQ50	
	4-38	4	1M	8	1	1	—	—	1	6	6	1	108-BGA	50	726-1169-ND	9.45	7.90	7.29	LM3S8971-IBZ50	
	5-42	4	500K	4	2	1	1	1	6	2	2	—	100-LQFP	50	726-1126-ND	11.49	9.60	8.86	LM3S8962-ICQ50	
256	64	5-42	4	500K	4	2	1	1	1	6	2	2	108-BGA	50	726-1167-ND	11.49	9.60	8.86	LM3S8962-IBZ50	
		6-36	4	1M	4	2	1	1	3	—	—	—	100-LQFP	50	726-1124-ND	10.34	8.63	7.97	LM3S8933-ICQ50	
		13-34	4	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1123-ND	8.91	7.45	6.87	LM3S8930-ICQ50	
		17-46	4	—	—	—	—	—	—	—	—	—	100-LQFP	50	726-1127-ND	11.33	9.46	8.74	LM3S8970-ICQ50	
		17-46	4	—	—	—	—	—	—	—	—	—	108-BGA	50	726-1168-ND	11.33	9.46	8.74	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	57.35	DB-LM3S101
Supplemental DB28 Daughterboard for the LM3S102 Microcontroller (Development Kit Required)	726-1025-ND	57.35	DB-LM3S102
Supplemental DB48 Daughterboard for the LM3S301 Microcontroller (Development Kit Required)	726-1026-ND	57.35	DB-LM3S301
Supplemental DB48 Daughterboard for the LM3S310, LM3S601 and LM3S801 Microcontrollers (Development Kit Required)	726-1027-ND	57.35	DB-LM3S801
Supplemental DB48 Daughterboard for the LM3S315, LM3S316, LM3S611, LM3S613 and LM3S811 Microcontrollers (Development Kit Required)	726-1028-ND	57.35	DB-LM3S811
Supplemental DB48 Daughterboard for the LM3S610, LM3S612, LM3S615, LM3S812, LM3S815 Microcontrollers (Development Kit Required)	726-1029-ND	57.35	DB-LM3S815
Supplemental DB48 Daughterboard for the LM3S317, LM3S617 and LM3S817 Microcontrollers (Development Kit Required)	726-1030-ND	57.35	DB-LM3S817
Supplemental DB48 Daughterboard for the LM3S618 and LM3S818 Microcontrollers (Development Kit Required)	726-1031-ND	57.35	DB-LM3S818
Supplemental DB48 Daughterboard for the LM3S328, LM3S628 and LM3S828 Microcontrollers (Development Kit Required)	726-1032-ND	57.35	DB-LM3S828
Stellaris Family Development Kit for the LM3S101 Microcontroller	726-1033-ND	180.77	DK-LM3S101
Stellaris Family Development Kit for the LM3S102 Microcontroller	726-1034-ND	180.77	DK-LM3S102
Stellaris Family Development Kit for the LM3S301 Microcontroller	726-1035-ND	180.77	DK-LM3S301
Stellaris Family Development Kit for the LM3S310, LM3S601 and LM3S801 Microcontrollers	726-1036-ND	180.77	DK-LM3S801
Stellaris Family Development Kit for the LM3S315, LM3S316, LM3S611, LM3S613, LM3S811 Microcontrollers	726-1037-ND	180.77	DK-LM3S811
Stellaris Family Development Kit for the LM3S610, LM3S612, LM3S615, LM3S812, LM3S815 Microcontrollers	726-1038-ND	180.77	DK-LM3S815
Stellaris Family Development Kit for the LM3S317, LM3S617, LM3S817 Microcontrollers	726-1039-ND	180.77	DK-LM3S817
Stellaris Family Development Kit for the LM3S618 and LM3S818 Microcontrollers	726-1040-ND	180.77	DK-LM3S818
Stellaris Family Development Kit for the LM3S328, LM3S628 and LM3S828 Microcontrollers	726-1041-ND	180.77	DK-LM3S828
CrossFire LM3S102 Evaluation Kit	726-1045-ND	71.87	IA-LM3S102
IAR Kickstart Kit for Stellaris LM3S102 Microcontroller	726-1046-ND	108.18	RA-LM3S102
LM3S811 Evaluation Kit; Keil RealView	726-1044-ND	35.57	EKK-LM3S811
LM3S811 Evaluation Kit; IAR Systems	726-1043-ND	35.57	EKI-LM3S811
LM3S811 Evaluation Kit; CodeSourcery G++ GNU	726-1042-ND	35.57	EKC-LM3S811
LM3S811 Evaluation Kit; Code Red Technologies	726-1129-ND	35.57	EKT-LM3S811
LM3S1968 Evaluation Kit; Keil RealView	726-1082-ND	42.83	EKK-LM3S1968
LM3S1968 Evaluation Kit; IAR Systems	726-1084-ND	42.83	EKI-LM3S1968
LM3S1968 Evaluation Kit; CodeSourcery G++ GNU	726-1083-ND	42.83	EKC-LM3S1968
LM3S1968 Evaluation Kit; Code Red Technologies	726-1130-ND	42.83	EKT-LM3S1968
LM3S6965 Ethernet Evaluation Kit; Keil RealView	726-1054-ND	50.09	EKK-LM3S6965
LM3S6965 Ethernet Evaluation Kit; IAR Systems	726-1052-ND	50.09	EKI-LM3S6965
LM3S6965 Ethernet Evaluation Kit; CodeSourcery G++ GNU	726-1050-ND	50.09	EKC-LM3S6965
LM3S6965 Ethernet Evaluation Kit; Code Red Technologies	726-1132-ND	50.09	EKT-LM3S6965
LM3S2965 CAN Evaluation Kit; Keil RealView	726-1053-ND	57.35	EKK-LM3S2965
LM3S2965 CAN Evaluation Kit; IAR Systems	726-1051-ND	57.35	EKI-LM3S2965
LM3S2965 CAN Evaluation Kit; CodeSourcery G++ GNU	726-1049-ND	57.35	EKC-LM3S2965
LM3S2965 CAN Evaluation Kit; Code Red Technologies	726-1131-ND	57.35	EKT-LM3S2965
LM3S8962 Ethernet+CAN Evaluation Kit; Keil RealView	726-1085-ND	64.61	EKK-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; IAR Systems	726-1087-ND	64.61	EKI-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; CodeSourcery G++ GNU	726-1086-ND	64.61	EKC-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; Code Red Technologies	726-1133-ND	64.61	EKT-LM3S8962
LM3S3748 USB Host/Device Evaluation Kit; Keil RealView	726-1184-ND	79.13	EKK-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; IAR Systems	726-1185-ND	79.13	EKI-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; CodeSourcery G++ GNU	726-1186-ND	79.13	EKC-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; Code Red Technologies	726-1187-ND	79.13	EKT-LM3S3748
Intelligent Display Reference Design Kit	726-1176-ND	158.99	RDK-IDM
Serial-to-Ethernet Reference Design Kit	726-1177-ND	100.91	RDK-S2E
AC Induction Motor Reference Design Kit	726-1047-ND	275.15	RDK-ACIM
Brushless DC Motor Control Reference Design Kit	726-1128-ND	158.99	RDK-BLDC
Stepper Motor Reference Design Kit	726-1048-ND	144.47	RDK-STEPPER

Production Ready Modules



Description	Digi-Key Part No.	Price Each	Luminary Micro Part No.
Intelligent Display Module	726-1174-ND	144.47	MDL-IDM
Serial-to-Ethernet Module	726-1175-ND	35.57	MDL-S2E
Stellaris® ACIM Control Board	726-1171-ND	173.51	MDL-ACIM
Brushless DC Motor Control Board	726-1172-ND	108.17	MDL-BLDC
Stellaris Stepper Motor Control Board	726-1173-ND	122.69	MDL-STEPPER

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