



ARM® Cortex™ -M3 Microcontrollers (Cont.)



Flash (KB)	SRAM (KB)	GPIOs†	Timers‡	ADC		UARTs	SSI	I2C	Analog Comparators	PWM§		QEI	Package	Speed (Clock Frequency in MHz)	Digi-Key Part No.	Price Each			Texas Instruments Part No.	
				Sample Per Second	No. of 10-Bit Channels					PWM Pins	CCP Pins					1	25	100		
128	64	5 - 35	4	500K	4	2	1	1	3	—	4	—	100-L0FP	50	726-1121-ND	10.81	9.10	8.36	LM3S8733-1QC50-A2	
	64	4 - 38	4	500K	8	3	2	1	1	—	6	—	100-L0FP	50	726-1122-ND	10.72	9.02	8.29	LM3S8738-1QC50-A2	
	64	4 - 38	4	500K	8	3	2	2	1	6	6	2	108-BGA	50	296-25711-ND	10.72	9.02	8.29	LM3S8738-1BZ50-A2	
256	64	13 - 34	4	—	—	3	2	2	—	6	2	2	108-BGA	50	296-25712-ND	11.81	9.94	9.13	LM3S8930-1BZ50-A2	
	64	13 - 34	4	—	—	1	1	1	—	2	—	—	100-L0FP	50	726-1123-ND	11.81	9.94	9.13	LM3S8930-1QC50-A2	
	64	6 - 36	4	1M	4	3	2	2	3	6	4	2	108-BGA	50	296-25713-ND	11.63	9.79	8.99	LM3S8933-1BZ50-A2	
	64	6 - 36	4	1M	4	2	1	1	3	—	4	—	100-L0FP	50	726-1124-ND	11.63	9.79	8.99	LM3S8933-1QC50-A2	
	64	3 - 38	4	1M	8	3	2	2	3	6	6	2	108-BGA	50	296-25714-ND	11.63	9.79	8.99	LM3S8938-1BZ50-A2	
	64	3 - 38	4	1M	8	3	1	2	3	—	6	—	100-L0FP	50	726-1125-ND	13.18	11.08	10.19	LM3S8938-1QC50-A2	
	64	3 - 38	6	1M	8	3	1	2	3	—	6	—	100-L0FP	50	296-24920-ND	11.63	9.79	8.99	LM3S8938-1QC50-A2	
	64	5 - 42	4	500K	4	2	1	1	1	6	2	2	108-BGA	50	296-25347-ND	11.72	9.86	9.06	LM3S8962-1BZ50-A2	
	64	5 - 42	4	500K	4	2	1	1	1	6	2	2	100-L0FP	50	726-1126-ND	11.72	9.86	9.06	LM3S8962-1QC50-A2	
	64	5 - 42	6	500K	4	2	1	1	1	6	2	2	100-L0FP	50	296-24921-ND	11.72	9.86	9.06	LM3S8962-1QC50-A2	
	64	17 - 46	4	—	—	2	2	1	—	—	2	—	108-BGA	50	726-1168-ND	12.45	10.47	9.62	LM3S8970-1BZ50-A2	
	64	17 - 46	4	—	—	2	2	1	—	—	2	—	100-L0FP	50	726-1127-ND	12.45	10.47	9.62	LM3S8970-1QC50-A2	
	64	17 - 46	6	—	—	2	2	1	—	—	2	—	100-L0FP	50	296-24922-ND	12.45	10.47	9.62	LM3S8970-1QC50-A2	
	64	4 - 38	4	1M	8	1	1	—	—	1	6	6	1	108-BGA	50	726-1169-ND	11.63	9.79	8.99	LM3S8971-1BZ50-A2
	64	4 - 38	4	1M	8	1	1	—	—	1	6	6	1	100-L0FP	50	726-1170-ND	11.63	9.79	8.99	LM3S8971-1QC50-A2
64	4 - 38	4	1M	8	1	1	—	—	1	6	6	1	100-L0FP	50	296-24923-ND	11.63	9.79	8.99	LM3S8971-1QC50-A2	
<b>USB + Ethernet + CAN Internetworking MCUs</b>																				
256	64	0 - 60	4	1M	2	3	2	2	2	6	8	2	100-L0FP	80	296-25345-ND	13.99	11.77	10.82	LM3S9997-1QC80-C1	
	96	0 - 60	4	1M	16	3	2	2	3	—	8	—	100-L0FP	80	296-25346-ND	13.99	11.77	10.82	LM3S9990-1QC80-C1	
	96	0 - 65	4	1M	2	3	2	2	3	8	8	2	100-L0FP	80	296-25347-ND	14.45	12.15	11.17	LM3S9992-1QC80-C1	
	96	0 - 65	4	1M	16	3	2	2	3	8	8	2	100-L0FP	80	296-25349-ND	14.45	12.15	11.17	LM3S9995-1QC80-C1	
96	0 - 65	4	1M	16	3	2	2	3	8	8	2	100-L0FP	100	296-25348-ND	16.18	13.61	12.50	LM3S9995-1QC100-C0		

† 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	Texas Instruments Part No.
LM3S811 Evaluation Kit; Keil™ RealView®	726-1044-ND	40.56	EKK-LM3S811
LM3S811 Evaluation Kit; IAR Systems	726-1043-ND	40.56	EKI-LM3S811
LM3S811 Evaluation Kit; CodeSourcery G++ GNU	726-1042-ND	40.56	EKC-LM3S811
LM3S811 Evaluation Kit; Code Red Technologies	726-1129-ND	40.56	EKT-LM3S811
LM3S811 Evaluation Kit with Code Composer Studio	296-25783-ND	40.56	EKS-LM3S811
LM3S1968 Evaluation Kit; Keil RealView	726-1082-ND	48.86	EKK-LM3S1968
LM3S1968 Evaluation Kit; IAR Systems	726-1084-ND	48.86	EKI-LM3S1968
LM3S1968 Evaluation Kit; CodeSourcery G++ GNU	726-1083-ND	48.86	EKC-LM3S1968
LM3S1968 Evaluation Kit; Code Red Technologies	726-1130-ND	48.86	EKT-LM3S1968
LM3S2965 CAN Evaluation Kit; Keil RealView	726-1053-ND	65.43	EKK-LM3S2965
LM3S2965 CAN Evaluation Kit; IAR Systems	726-1051-ND	65.43	EKI-LM3S2965
LM3S2965 CAN Evaluation Kit; CodeSourcery G++ GNU	726-1049-ND	65.43	EKC-LM3S2965
LM3S2965 CAN Evaluation Kit; Code Red Technologies	726-1131-ND	65.43	EKT-LM3S2965
LM3S2965 Evaluation Kit with Code Composer Studio	296-25780-ND	65.43	EKS-LM3S2965
LM3S3748 USB Host/Device Evaluation Kit; Keil RealView	726-1184-ND	90.25	EKK-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; IAR Systems	726-1185-ND	90.25	EKI-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; CodeSourcery G++ GNU	726-1186-ND	90.25	EKC-LM3S3748
LM3S3748 USB Host/Device Evaluation Kit; Code Red Technologies	726-1187-ND	90.25	EKT-LM3S3748
LM3S3748 Evaluation Kit with Code Composer Studio	296-25781-ND	90.25	EKS-LM3S3748
LM3S6965 Ethernet Evaluation Kit; Keil RealView	726-1054-ND	57.12	EKK-LM3S6965
LM3S6965 Ethernet Evaluation Kit; IAR Systems	726-1052-ND	57.12	EKI-LM3S6965
LM3S6965 Ethernet Evaluation Kit; CodeSourcery G++ GNU	726-1050-ND	57.12	EKC-LM3S6965
LM3S6965 Ethernet Evaluation Kit; Code Red Technologies	726-1132-ND	57.12	EKT-LM3S6965
LM3S6965 Evaluation Kit with Code Composer Studio	296-25782-ND	57.12	EKS-LM3S6965
LM3S8962 Ethernet+CAN Evaluation Kit; Keil RealView	726-1085-ND	73.69	EKK-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; IAR Systems	726-1087-ND	73.69	EKI-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; CodeSourcery G++ GNU	726-1086-ND	73.69	EKC-LM3S8962
LM3S8962 Ethernet+CAN Evaluation Kit; Code Red Technologies	726-1133-ND	73.69	EKT-LM3S8962
LM3S8962 Evaluation Kit with Code Composer Studio	296-25784-ND	73.69	EKS-LM3S8962
LM3S9B90 Evaluation Kit; Keil RealView	726-1196-ND	81.95	EKK-LM3S9B90
LM3S9B90 Evaluation Kit; IAR Systems	726-1197-ND	81.95	EKI-LM3S9B90
LM3S9B90 Evaluation Kit; CodeSourcery G++ GNU	726-1198-ND	81.95	EKC-LM3S9B90
LM3S9B90 Evaluation Kit; Code Red Technologies	726-1199-ND	81.95	EKT-LM3S9B90
LM3S9B90 Evaluation Kit with Code Composer Studio	296-25785-ND	81.95	EKS-LM3S9B90
LM3S9B92 Evaluation Kit; Keil RealView	726-1200-ND	81.95	EKK-LM3S9B92
LM3S9B92 Evaluation Kit; IAR Systems	726-1201-ND	81.95	EKI-LM3S9B92
LM3S9B92 Evaluation Kit; CodeSourcery G++ GNU	726-1202-ND	81.95	EKC-LM3S9B92
LM3S9B92 Evaluation Kit; Code Red Technologies	726-1203-ND	81.95	EKT-LM3S9B92
LM3S9B92 Evaluation Kit with Code Composer Studio	296-25786-ND	81.95	EKS-LM3S9B92
DK-LM3S9B96 Development Kit; Keil, IAR, Code Sourcery, and Code Red	726-1194-ND	351.79	DK-LM3S9B96
FPGA Expansion Board for DK-LM3S9B96	296-27564-ND	145.49	DK-LM3S9B96-FPGA
Memory Expansion Board for DK-LM3S9B96	296-25451-ND	43.14	DK-LM3S9B96-FS8
LM3S1968 Evaluation Kit with Code Composer Studio	296-25779-ND	48.86	EKS-LM3S1968
Intelligent Display Reference Design Kit	726-1176-ND	181.29	RDK-IDM
Serial-to-Ethernet Reference Design Kit	726-1177-ND	115.08	RDK-S2E
AC Induction Motor Reference Design Kit	726-1047-ND	313.75	RDK-ACIM
Brushless DC Motor Control Reference Design Kit	726-1128-ND	181.29	RDK-BLDC
Stepper Motor Reference Design Kit	726-1048-ND	164.72	RDK-STEPPER
Intelligent Display Module with 3.5" Landscape Display	726-1191-ND	181.29	RDK-IDM-L35
Stellaris Brushed DC Motor Control Module with CAN	726-1192-ND	180.92	RDK-BDC
Stellaris Intelligent Display Module Single-Board Computer	726-1195-ND	247.50	RDK-IDM-SBC

Production Ready Modules



Description	Digi-Key Part No.	Price Each	Texas Instruments Part No.	Description	Digi-Key Part No.	Price Each	Texas Instruments Part No.
Intelligent Display Module	726-1174-ND	164.72	MDL-IDM	Stellaris 12V Brushed DC Motor Control Board	726-1189-ND	90.04	MDL-BDC
Serial-to-Ethernet Module	726-1175-ND	40.56	MDL-S2E	Ethernet-Enabled Intelligent Display Module	726-1188-ND	153.16	MDL-IDM28
Stellaris® ACIM Control Board	726-1171-ND	197.85	MDL-ACIM	10-Pin to 20-Pin JTAG Adapter Module	726-1193-ND	16.52	MDL-ADA2
Brushless DC Motor Control Board	726-1172-ND	123.34	MDL-BLDC	Stellaris Brushed DC Motor Control Module with CAN	296-25445-ND	90.04	MDL-BDC24
Stellaris Stepper Motor Control Board	726-1173-ND	139.90	MDL-STEPPER	Stellaris Brushed DC Motor Control Reference Design Kit	296-25446-ND	181.29	RDK-BDC24
Intelligent Display Module with 3.5" Landscape Display	726-1190-ND	153.16	MDL-IDM-L35				

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