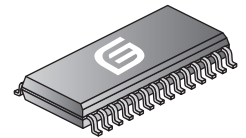


TEXAS INSTRUMENTS Dev Kits & Microcontrollers

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

STELLARIS™ FAMILY OF ARM® CORTEX-M3™ MICROCONTROLLERS

Texas Instruments 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, IC, 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!



MOUSER STOCK NO.	Texas Instruments 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-LM3S608-IQN50	LM3S608-IQN50-C2	32	8	2	5-28	1	1	1	1	4	Yes	-	6	-40°C to 85°C	5.60	5.50	4.10
868-LM3S811-IQN50	LM3S811-IQN50-C2	64	8	2	1-32	1	1	1	1	4	Yes	6	6	-40°C to 85°C	6.88	6.53	5.08
868-LM3S815-IQN50	LM3S815-IQN50-C2	64	8	2	0-34	1	1	3	1	4	Yes	6	6	-40°C to 85°C	6.80	5.57	5.02
868-LM3S818-IQN50	LM3S818-IQN50-C2	64	8	2	0-30	1	-	1	1	4	Yes	6	4	-40°C to 85°C	6.88	5.63	5.08
595-LM3S1P51-IBZ80C5	LM3S1P51-IBZ80-C5	64	24	3	0-67	2	-	2	16	2	Yes	6	8	-40°C to 85°C	7.88	6.45	5.43
868-LM3S6432-IQC50	LM3S6432-IQC50-A2	96	32	2	14-43	1	1	2	1	4	Yes	2	4	-40°C to 85°C	11.41	9.60	8.82
868-LM3S3748-IQC50	LM3S3748-IQC50-A0	128	64	2	3-61	2	2	2	2	1	Yes	8	8	-40°C to 85°C	11.11	9.34	8.58
868-LM3S5749-IQC50	LM3S5749-IQC50-A0	128	64	2	0-61	2	2	2	2	1	Yes	8	5	-40°C to 85°C	11.33	9.52	8.75
595-LM3S1R21-IQC80C3	LM3S1R21-IQC80-C3	256	48	3	0-67	2	2	2	2	2	Yes	-	8	-40°C to 85°C	11.38	8.19	6.83
595-LM3S5R31-IBZ80C5	LM3S5R31-IBZ80-C5	256	48	3	0-67	2	2	2	2	2	Yes	8	8	-40°C to 85°C	11.75	8.46	7.05
595-LM3S5R36-IQR80C5	LM3S5R36-IQR80-C5	256	48	3	0-33	2	2	2	2	5	Yes	8	8	-40°C to 85°C	11.75	8.46	7.05
868-LM3S8971-IQC50	LM3S8971-IQC50-A2	256	64	1	4-38	1	-	1	1	5	Yes	6	6	-40°C to 85°C	14.08	11.84	10.88
868-LM3S1918-IQC50	LM3S1918-IQC50-A2	256	64	2	17-52	2	2	2	2	1	Yes	-	8	-40°C to 85°C	10.87	8.91	8.13
868-LM3S6918-IQC50	LM3S6918-IQC50-A2	256	64	2	5-38	2	2	2	1	5	Yes	6	2	-40°C to 85°C	12.83	10.78	9.91
868-LM3S8962-IQC50	LM3S8962-IQC50-A2	256	64	2	5-42	1	1	1	1	1	Yes	6	2	-40°C to 85°C	14.02	11.79	10.83
868-LM3S1958-IQC50	LM3S1958-IQC50-A2	256	64	3	21-52	2	2	2	1	5	Yes	-	8	-40°C to 85°C	11.00	9.02	7.59
868-LM3S1968-IQC50	LM3S1968-IQC50-A2	256	64	3	5-52	2	2	3	1	5	Yes	6	4	-40°C to 85°C	11.50	9.43	8.51
868-LM3S2965-IQC50	LM3S2965-IQC50-A2	256	64	3	3-56	2	2	3	2	5	Yes	6	6	-40°C to 85°C	11.49	9.42	8.56
868-LM3S6911-IQC50	LM3S6911-IQC50-A2	256	64	3	10-46	2	2	2	2	1	Yes	-	6	-40°C to 85°C	12.61	10.60	9.74
868-LM3S6965-IQC50	LM3S6965-IQC50-A2	256	64	3	0-42	1	2	2	1	5	Yes	6	4	-40°C to 85°C	15.11	12.70	11.67
595-LM3S5G51-IQC80A2	LM3S5G51-IQC80-A2	384	64	3	0-67	2	2	2	2	5	Yes	6	8	-40°C to 85°C	10.91	10.32	9.03
595-LM3S9U81-IQC80A2	LM3S9U81-IQC80-A2	384	96	3	0-65	2	2	3	2	5	Yes	-	8	-40°C to 85°C	14.88	14.08	12.32
595-LM3S9U96-IQC80A2	LM3S9U96-IQC80-A2	384	96	3	0-65	2	2	3	2	2	Yes	8	8	-40°C to 85°C	14.20	13.44	11.76
595-LM3SS5C6-IQR80A2	LM3SS5C6-IQR80-A2	512	64	3	0-33	2	2	2	2	5	Yes	6	8	-40°C to 85°C	11.16	10.56	9.24
595-LM3S6C11-IBZ80A2	LM3S6C11-IBZ80-A2	512	64	3	0-46	2	2	2	2	5	Yes	-	8	-40°C to 85°C	12.93	12.24	10.71
595-LM3S6C11-IQC80A2	LM3S6C11-IQC80-A2	512	64	3	0-46	2	2	2	2	5	Yes	-	8	-40°C to 85°C	12.93	12.24	10.71
595-LM3S6C65-IQC80A2	LM3S6C65-IQC80-A2	512	64	3	0-46	1	2	2	2	5	Yes	6	8	-40°C to 85°C	13.10	12.40	10.85
595-LM3S8C62-IQC80A2	LM3S8C62-IQC80-A2	512	64	2	0-46	1	1	2	2	5	Yes	6	8	-40°C to 85°C	16.96	14.26	13.10
595-LM3S9C97-IQC80A2	LM3S9C97-IQC80-A2	512	64	3	0-60	2	2	2	2	5	Yes	6	8	-40°C to 85°C	14.37	13.60	11.90
595-LM3S9D90-IQC80A2	LM3S9D90-IQC80-A2	512	96	3	0-60	2	2	3	2	5	Yes	-	8	-40°C to 85°C	14.37	13.60	11.90
595-LM3S9D92-IQC80A2	LM3S9D92-IQC80-A2	512	96	3	0-65	2	2	3	2	5	Yes	8	8	-40°C to 85°C	14.52	13.12	11.63
595-LM3S9D96-IBZ80A2	LM3S9D96-IBZ80-A2	512	96	3	0-65	2	2	3	2	5	Yes	8	8	-40°C to 85°C	16.74	15.84	13.86
595-LM3S9DN6-IQC80A2	LM3S9DN6-IQC80-A2	512	96	3	0-72	2	2	3	2	4	Yes	8	8	-40°C to 85°C	14.29	13.52	11.83

STELLARIS™ EVALUATION KITS, REFERENCE DESIGN KITS, AND MODULES

The Texas Instruments® 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.	Texas Instruments Part No.	Description	Price Each	MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-DK-EM2-2560B	DK-EM2-2560B	Tempest Full-Featured Development Kit	199.40	868-EKK-LM3S9B90	EKK-LM3S9B90	LM3S9B90 Eval Kit w/ Keil Tools	99.00
868-DK-LM3S9B96	DK-LM3S9B96	Tempest Full-Featured Development Kit	425.00	868-EKK-LM3S9B92	EKK-LM3S9B92	LM3S9B92 Eval Kit w/ Keil Tools	99.00
595-DK-LM3S9B96-FPGA	DK-LM3S9B96-FPGA	Add-on Board for DK-LM3S9B96	199.00	595-EKS-EVALBOT	EKS-EVALBOT	Evaluation Kit/Robot w/ Code Composer Studio	149.00
595-DK-LM3S9B96-F58	DK-LM3S9B96-F58	Add-on Board for DK-LM3S9B96	59.00	595-EKS-LM3S1968	EKS-LM3S1968	Stellaris LM3S1968 Evaluation Kit	59.00
595-DK-LM3S9B96-EM2	DK-LM3S9B96-EM2	Stellaris LM3S9B96 Development Kit	39.00	595-EKS-LM3S2965	EKS-LM3S2965	Stellaris LM3S2965 Evaluation Kit	79.00
595-EKB-UCOS3-BNDL	EKB-UCOS3-BNDL	EvalBot Kit + µC/OS-III Book Bundle	199.00	595-EKS-LM3S3748	EKS-LM3S3748	Stellaris LM3S3748 Evaluation Kit	109.00
595-EKB-UCOS3-BOOK	EKB-UCOS3-BOOK	Micrium OS (µC/OS-III) Book	89.94	595-EKS-LM3S6965	EKS-LM3S6965	Stellaris LM3S6965 Evaluation Kit	69.00
595-EKB-UCOS3-EVM	EKB-UCOS3-EVM	Board for MCU, DSP and Microprocessors	149.00	595-EKS-LM3S811	EKS-LM3S811	Stellaris LM3S811 Evaluation Kit	49.00
595-EKC-EVALBOT	EKC-EVALBOT	Eval Kit/Robot w/CodeSourcery Tools	149.00	595-EKS-LM3S8962	EKS-LM3S8962	Stellaris LM3S8962 Evaluation Kit	89.00
868-EKC-LM3S3748	EKC-LM3S3748	USB H/D Eval Kit; CodeSourcery G++ GNU	109.00	595-EKS-LM3S9B90	EKS-LM3S9B90	Stellaris LM3S9B90 Evaluation Kit	99.00
868-EKC-LM3S6965	EKC-LM3S6965	Ethernet Eval Kit; CodeSourcery G++ GNU	69.00	595-EKS-LM3S9B92	EKS-LM3S9B92	Stellaris LM3S9B92 Evaluation Kit	99.00
868-EKC-LM3S811	EKC-LM3S811	LM3S811 Eval Kit; CodeSourcery G++ GNU	49.00	595-EKT-EVALBOT	EKT-EVALBOT	Eval Kit/Robot w/ Code Red Technologies Tools	149.00
868-EKC-LM3S8962	EKC-LM3S8962	Ethernet+CAN Eval Kit; CodeSourcery G++ G	89.00	868-EKT-LM3S1968	EKT-LM3S1968	LM3S1968 Eval Kit; Code Red Technologies	59.00
868-EKC-LM3S9B90	EKC-LM3S9B90	LM3S9B90 Eval Kit w/ CodeSourcery Tools	99.00	868-EKT-LM3S3748	EKT-LM3S3748	USB Host/Device Eval Kit; Code Red Technologies	109.00
868-EKC-LM3S9B92	EKC-LM3S9B92	LM3S9B92 Eval Kit w/ CodeSourcery Tools	99.00	868-EKT-LM3S6965	EKT-LM3S6965	Ethernet Eval Kit; Code Red Technologies	69.00
595-EKI-EVALBOT	EKI-EVALBOT	Evaluation Kit/Robot with IAR Tools	149.00	868-EKT-LM3S811	EKT-LM3S811	LM3S811 Eval Kit; Code Red Technologies	49.00
868-EKI-LM3S1968	EKI-LM3S1968	LM3S1968 Eval Kit; IAR Systems	59.00	868-EKT-LM3S8962	EKT-LM3S8962	Ethernet+CAN Eval Kit; Code Red Technologies	89.00
868-EKI-LM3S2965	EKI-LM3S2965	CAN Eval Kit; IAR Systems	79.00	868-EKT-LM3S9B90	EKT-LM3S9B90	LM3S9B90 Eval Kit w/ Code Red Tools	120.00
868-EKI-LM3S3748	EKI-LM3S3748	USB Host/Device Eval Kit; IAR Systems	109.00	868-EKT-LM3S9B92	EKT-LM3S9B92	LM3S9B92 Eval Kit w/ Code Red Tools	99.00
868-EKI-LM3S6965	EKI-LM3S6965	Ethernet Eval Kit; IAR Systems	69.00	868-MDL-ADA2	MDL-ADA2	JTAG Adapter Module Circuit Board 10 Pin	20.00
868-EKI-LM3S811	EKI-LM3S811	LM3S811 Eval Kit; IAR Systems	49.00	868-MDL-IDM	MDL-IDM	Intelligent Display Module (single unit)	216.41
868-EKI-LM3S8962	EKI-LM3S8962	Ethernet+CAN Eval Kit; IAR Systems	89.00	868-MDL-IDM-L35	MDL-IDM-L35	3.5 Stellaris Intelligent Display Module	201.19
868-EKI-LM3S9B90	EKI-LM3S9B90	LM3S9B90 Eval Kit w/ IAR Tools	99.00	868-MDL-S2E	MDL-S2E	Serial-to-Ethernet Module (single unit)	49.00
868-EKI-LM3S9B92	EKI-LM3S9B92	LM3S9B92 Eval Kit w/ IAR Tools	99.00	868-RDK-ACIM	RDK-ACIM	AC Induction Motor Reference Design Kit	379.00
595-EKK-EVALBOT	EKK-EVALBOT	Evaluation Kit/Robot with Keil Tools	149.00	868-RDK-BLDC	RDK-BLDC	Brushless DC Motor Control RDK	219.00
868-EKK-LM3S1968	EKK-LM3S1968	LM3S1968 Eval Kit; Keil RealView	59.00	868-RDK-IDM	RDK-IDM	2.8" QVGA Intelligent Display Ref. Kit	219.00
868-EKK-LM3S3748	EKK-LM3S3748	USB Host/Device Eval Kit; Keil RealView	109.00	868-RDK-IDM-L35	RDK-IDM-L35	3.5 Stellaris Intelligent Display Kit	219.00
868-EKK-LM3S6965	EKK-LM3S6965	Ethernet Eval Kit; Keil RealView	69.00	868-RDK-IDM-SBC	RDK-IDM-SBC	Single Board Computer Ref. Design Kit	299.00
868-EKK-LM3S811	EKK-LM3S811	LM3S811 Eval Kit; Keil RealView	49.00	868-RDK-S2E	RDK-S2E	Serial-to-Ethernet Reference Design Kit	139.00
868-EKK-LM3S8962	EKK-LM3S8962	Ethernet+CAN Eval Kit; Keil RealView	89.00	868-RDK-STEPPER	RDK-STEPPER	Stepper Motor Reference Design Kit	199.00

PICCOLO™ DEVELOPMENT TOOLS

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-TMDSHVRESLCKKIT	TMDSHVRESLCKKIT	Developer's Kit is designed to show users how to quickly implement a digitally controlled Resonant LLC topology DC/DC converter	469.33
595-DRV8312-C2-KIT	DRV8312-C2-KIT	Evaluation kit for spinning three-phase brushless DC (BLDC) and brushless AC (BLAC) motors	350.82

F28X PICCOLO™ SERIES MICROCONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Peak MMACS	Freq (MHz)	RAM (KB)	OTP ROM (KB)	Flash (KB)	PWM	CAP/QEP	ADC	I2C	UART	SPI	Timers	Price Each			
															1	25	100	250
595-TMS320F28027PTT	TMS320F28027PTT	LQFP-48	60	60	12	2	64	8	1/0	1 12 bit	1	1 SCI	1	3 32-bit GP, 1 WD	7.88	5.67	4.73	4.10
595-TMS320F28035PAGS	TMS320F28035PAGS	TQFP-64	60	60	20	2	128	12	1/1	1 12 bit	1	1 SCI	1	3 32-bit GP, 1 WD	8.79	8.04	7.28	6.66
595-TMS320F28035PNS	TMS320F28035PNS	LQFP-64	60	60	20	2	128	14	1/1	1 12 bit	1	1 SCI	2	3 32-bit GP, 1 WD	9.13	8.35	7.56	6.92