

ST62 is a family of rugged microcontrollers with high EMC, low EMI. All members feature watchdog and have 8MHz clock.

Device	Prog. Mem.	RAM bytes	EEPROM bytes	ADC inputs	Timers	Serial Interfaces	I/Os (high current)	Package Features
BASIC								
ST62T03CB6	1k	64	-	-	1 x 8-bit	-	9 (3)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T03CM6	1k	64	-	-	1 x 8-bit	-	9 (3)	S016 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T08CB6	1k	64	-	-	1 x 8-bit	-	12 (4)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T08CM6	1k	64	-	-	1 x 8-bit	-	12 (4)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ADC								
ST62T00CB6	1k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T00CM6	1k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	S016 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T01CB6	2k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T01CM6	2k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	S016 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T01CN6	2k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	SSOP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T09CB6	1k	64	-	4x8-bit	1 x 8-bit	-	12 (4)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T09CM6	1k	64	-	4x8-bit	1 x 8-bit	-	12 (4)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T10CB6	2k	64	-	8x8-bit	1 x 8-bit	-	12 (4)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T10CM6	2k	64	-	8x8-bit	1 x 8-bit	-	12 (4)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T15CB6	2k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T15CM6	2k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	S028 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T20CB6	4k	64	-	8x8-bit	1 x 8-bit	-	12 (4)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T20CM6	4k	64	-	8x8-bit	1 x 8-bit	-	12 (4)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T25CB6	4k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T25CM6	4k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	S028 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T25CN6	4k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	SSOP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
UART								
ST62T18CB6	8k	192	-	7x8-bit	1x8-bit, 1x8-bitAR	UART	12 (8)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T18CM6	8k	192	-	7x8-bit	1x8-bit, 1x8-bitAR	UART	12 (8)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T28CB6	8k	192	-	12x8-bit	1x8-bit, 1x8-bitAR	SPI, UART	20 (8)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T28CM6	8k	192	-	12x8-bit	1x8-bit, 1x8-bitAR	SPI, UART	20 (8)	S028 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
UART + E2								
ST62T30BB6	8k	192	128	16x8-bit	1x8-bit, 1x16-bitAR	SPI, UART	20 (4)	DIP28 Readout Protn., direct LED/ Triac drive
ST62T30BM6	8k	192	128	16x8-bit	1x8-bit, 1x16-bitAR	SPI, UART	20 (4)	S028 Readout Protn., direct LED/ Triac drive
ST62T32BB6	8k	192	128	21x8-bit	1x8-bit, 1x16-bitAR	SPI, UART	30 (9)	SDIP42 Readout Protn., direct LED/ Triac drive
LCD + E2								
ST62T40B06	8k	216	128	12x8-bit	2 x 8-bit	SPI	24 (4)	PQFP80 45 x 4 LCD Segment drive, direct LED/Triac drive
ST62T42B06	8k	216	128	6x8-bit	2 x 8-bit	SPI	18 (4)	TQFP64 40 x 4 LCD Segment drive, direct LED/Triac drive
ST62T45B06	4k	64	128	8x8-bit	2 x 8-bit	SPI	20 (4)	PQFP52 27 x 4 LCD Segment drive, direct LED/Triac drive
ST62T46BB6	4k	140	128	8x8-bit	2 x 8-bit	SPI	20 (4)	SDIP56 27 x 4 LCD Segment drive, direct LED/Triac drive
ST62T80B06	8k	320	128	12x8-bit	2 x 8-bit	SPI, UART	22 (10)	PQFP10048 x 16 LCD Dot Matrix drive, direct LED/Triac drive
ST62T85B06	8k	288	128	8x8-bit	2 x 8-bit	SPI, UART	12 (4)	PQFP80 40 x 16 LCD Dot Matrix drive, direct LED/Triac drive
ADC + PWM								
ST62T52CB6	2k	128	-	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T52CM6	2k	128	-	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	S016 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T52CN6	2k	128	-	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	SSOP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T53CB6	2k	128	-	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T53CM6	2k	128	-	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T55CB6	4k	128	-	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T55CM6	4k	128	-	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	S028 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T55CN6	4k	128	-	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	SSOP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ADC + PWM + E2								
ST62T60BB6	4k	128	128	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T60CB6	4k	128	128	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T60CM6	4k	128	128	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T62CB6	2k	128	64	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T62CM6	2k	128	64	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	S016 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T62CN6	2k	128	64	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	SSOP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T63CB6	2k	128	64	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T63CM6	2k	128	64	7x8-bit	1x8-bit, 1x8-bitAR	SPI	13 (6)	S020 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T65CB6	4k	128	128	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T65CM6	4k	128	128	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	S028 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62T65CN6	4k	128	128	13x8-bit	1x8-bit, 1x8-bitAR	SPI	21 (8)	SSOP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
EPROM DEVICES FOR PROTOTYPING								
ST62E01DF1	2k	64	-	4x8-bit	1 x 8-bit	-	9 (3)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E18CF1	8k	192	-	7x8-bit	1x8-bit, 1x8-bitAR	UART	12 (8)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E20CF1	4k	64	-	8x8-bit	1 x 8-bit	-	12 (4)	DIP20 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E25CF1	4k	64	-	16x8-bit	1 x 8-bit	-	20 (4)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E28CF1	8k	192	-	12x8-bit	1x8-bit, 1x8-bitAR	SPI, UART	20 (8)	DIP28 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E30BF1	8k	192	128	16x8-bit	1x8-bit, 1x16-bitAR	SPI, UART	20 (4)	DIP28 Readout Protn., direct LED/ Triac drive
ST62E32BF1	8k	192	128	21x8-bit	1x8-bit, 1x16-bitAR	SPI, UART	30 (9)	SDIP42 Readout Protn., direct LED/ Triac drive
ST62E40BG1	8k	216	128	12 x 8-bit	2 x 8-bit	SPI	24 (4)	PQFP80 45 x 4 LCD Segment drive, direct LED/Triac drive
ST62E42BG1	8k	216	128	6x8-bit	2 x 8-bit	SPI	18 (4)	TQFP64 40 x 4 LCD Segment drive, direct LED/Triac drive
ST62E46BF1	4k	140	128	8x8-bit	2 x 8-bit	SPI	20 (4)	SDIP56 27 x 4 LCD Segment drive, direct LED/Triac drive
ST62E62BF1	2k	128	64	4x8-bit	1x8-bit, 1x8-bitAR	-	9 (5)	DIP16 LVD, RC, OSG, Readout Protn., direct LED/Triac drive
ST62E80BG1	8k	320	128	12x8-bit	2 x 8-bit	SPI, UART	25 (10)	PQFP10048 x 16 LCD Dot Matrix drive, direct LED/Triac drive
ST62E85BG1	8k	288	128	8x8-bit	2 x 8-bit	SPI, UART	12 (4)	PQFP80 40 x 16 LCD Dot Matrix drive, direct LED/Triac drive

All devices with prefix ST62E = EPROM
ST62T = OTP

The temperature range is -40°C to +85°C for all the OTP versions.
EPROM Devices For Prototyping are rated to +25°C.

Order Code	Price Each			
	1+	10+	100+	250+ 500+
325-9936				
SMD 325-9948				
325-9950				
325-9961				
325-9973				
SMD 325-9985				
325-9997				
SMD 326-0008				
SMD 326-0010				
326-0033				
SMD 326-0021				
121-356				
SMD 326-0045				
121-319				
SMD 326-0057				
303-0878				
SMD 326-0069				
121-228				
SMD 698-192				
SMD 326-0070				
326-0082				
SMD 326-0094				
326-0100				
SMD 326-0112				
690-594				
SMD 690-600				
690-612				
SMD 688-241				
SMD 688-253				
SMD 688-265				
688-277				
SMD 326-0124				
SMD 326-0136				
326-0148				
SMD 326-0150				
SMD 326-0161				
326-0173				
SMD 326-0185				
326-0197				
SMD 326-0203				
SMD 326-0215				
493-454				
326-0227				
SMD 326-0239				
326-0240				
SMD 326-0252				
SMD 326-0264				
326-0276				
SMD 326-0288				
326-0290				
SMD 326-0306				
SMD 326-0318				
326-0604 †				
326-0616				
326-0628				
118-138				
326-0630				
326-0641				
326-0653				
SMD 326-0665				
SMD 326-0677				
326-0689				
326-0690 †				
SMD 326-0707				
SMD 326-0719				

† Available until stocks are exhausted

ST6 Databook Order Code 263-539 each
ST62 Application Manual Order Code 620-129 each

ST62 CD-ROM Order Code 948-160 each
ST Data Library on CD-ROM Order Code 596-899 each

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