


















MICROS PERIPHERALS & DEVELOPMENT TOOLS

ST62 FAMILY 8 BIT MICROCONTROLLER

ST62 Family Products (General Purpose)

| Device ⁽⁴⁾ | Pins | Program Memory Type | | | | Memory Size | | | Peripherals | | | | Package |
|------------------------|------|---------------------|---------------|-----------|-------------------------|----------------|-----|--------|--------------|--|----------------------|---------------------|----------------------------------|
| | | ROM | EPROM Version | OTP/FLASH | FAST ROM ⁽⁵⁾ | Program Memory | RAM | EEPROM | A/D Channels | Timers (+ WDG) ⁽⁶⁾ | Serial Interface | I/Os (High Current) | |
| | | | | | KB | B | B | | | | | | |
| ST6200C ⁽⁴⁾ | 16 | Yes ⁽⁵⁾ | ST62E01C | OTP | Yes | 1 | 64 | | 4x8-Bit | 1x8-Bit + Wdg | | 9(3) | DIP16/SO16/SSOP16 ⁽⁶⁾ |
| ST6201C ⁽⁴⁾ | 16 | Yes ⁽⁵⁾ | ST62E01C | OTP | Yes | 2 | 64 | | 4x8-Bit | 1x8-Bit + Wdg | | 9(3) | DIP16/SO16/SSOP16 ⁽⁶⁾ |
| ST6203C ⁽⁴⁾ | 16 | Yes ⁽⁵⁾ | ST62E01C | OTP | Yes | 1 | 64 | | | 1x8-Bit + Wdg | | 9(3) | DIP16/SO16/SSOP16 ⁽⁶⁾ |
| ST6252C ⁽⁷⁾ | 16 | Yes ⁽⁵⁾ | ST62E62C | OTP | Yes | 2 | 128 | | 4x8-Bit | 1x8-Bit 1x8-Bit AR + Wdg ⁽⁸⁾ | | 9(5) | DIP16/SO16/SSOP16 ⁽⁶⁾ |
| ST6262C ⁽⁷⁾ | 16 | Yes ⁽⁹⁾ | ST62E62C | OTP | Yes | 2 | 128 | 64 | 4x8-Bit | 1x8-Bit 1x8-Bit AR + Wdg ⁽⁸⁾ | | 9(5) | DIP16/SO16/SSOP16 ⁽⁶⁾ |
| ST6208C ⁽⁴⁾ | 20 | Yes ⁽⁵⁾ | ST62E20C | OTP | Yes | 1 | 64 | | | 1x8-Bit + Wdg | | 12(4) | DIP20/SO20/SSOP20 ⁽⁶⁾ |
| ST6209C ⁽⁴⁾ | 20 | Yes ⁽⁵⁾ | ST62E20C | OTP | Yes | 1 | 64 | | 4x8-Bit | 1x8-Bit + Wdg | | 12(4) | DIP20/SO20/SSOP21 ⁽⁶⁾ |
| ST6210C ⁽⁴⁾ | 20 | Yes ⁽⁵⁾ | ST62E20C | OTP | Yes | 2 | 64 | | 8x8-Bit | 1x8-Bit + Wdg | | 12(4) | DIP20/SO20/SSOP22 ⁽⁶⁾ |
| ST6218C ⁽⁷⁾ | 20 | Yes ⁽⁵⁾ | ST62E18C | OTP | | 8 | 192 | | 7x8-Bit | 1x8-Bit 1x8-Bit AR + Wdg ⁽⁸⁾ | UART ⁽¹⁰⁾ | 12(8) | DIP20/SO20 ⁽¹¹⁾ |
| ST6220C ⁽⁴⁾ | 20 | Yes ⁽⁵⁾ | ST62E20C | OTP | Yes | 4 | 64 | | 8x8-Bit | 1x8-Bit + Wdg | | 12(4) | DIP20/SO20 ⁽¹¹⁾ |

| | | | | | | | | | | | | | |
|---|-----------|----------------------------|----------|-----|-----|---|-----|-----|--------------|---|-------------------------------------|-------|--|
|  ST6253C (7) | 20 | Yes (5) | ST62E60C | OTP | Yes | 2 | 128 | | 7x8-Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI (12) | 13(6) | DIP20/SO20/SSOP20 (6) |
|  ST6260C (7) | 20 | Yes (9) | ST62E60C | OTP | Yes | 4 | 128 | 128 | 7x8-Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI (12) | 13(6) | DIP20/SO20/SSOP21 (6) |
|  ST6263C (7) | 20 | Yes (9) | ST62E60C | OTP | Yes | 2 | 128 | 64 | 7x8-Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI (12) | 13(6) | DIP20/SO20/SSOP22 (6) |
|  ST6215C (4) | 28- 42 | Yes (5) | ST62E25C | OTP | Yes | 2 | 64 | | 16x8- Bit | 1x8- Bit + Wdg | | 20(4) | DIP28/SO28/SSOP28 (6) |
|  ST6225C (4) | 28- 42 | Yes (5) | ST62E25C | OTP | Yes | 4 | 64 | | 16x8- Bit | 1x8- Bit + Wdg | | 20(4) | DIP28/SO28/SSOP28 (6) |
|  ST6228C (7) | 28- 42 | Yes (5) | ST62E28C | OTP | | 8 | 192 | | 12x8- Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI UART (13) | 20(8) | DIP28/SO28/SSOP28 (6) |
|  ST6255C (7) | 28- 42 | Yes (5) | ST62E65C | OTP | Yes | 4 | 128 | | 13x8- Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI (12) | 21(8) | DIP28/SO28/SSOP28 (6) |
|  ST6265C (14) | 28- 42 | Yes (9) | ST62E65C | OTP | Yes | 4 | 128 | 128 | 13x8- Bit | 1x8- Bit 1x8- Bit AR + Wdg (8) | SPI (12) | 21(8) | DIP28/SO28/SSOP28 (6) |
|  ST6230B (15) | 28- 42 | Yes | ST62E30B | OTP | | 8 | 192 | 128 | 16x8- Bit | 1x8- Bit 1x16- Bit AR + Wdg (8) | SPI UART (13) | 20(4) | DIP28/SO28 (11) |
|  ST6232B (15) | 28- 42 | Yes | ST62E32B | OTP | | 8 | 192 | 128 | 21x8- Bit | 1x8- Bit 1x16- Bit AR + Wdg (8) | SPI UART (13) | 30(9) | SDIP42 (16) |

| | | | | | | | | | | | | | |
|---|---------------------------------------|-----|-----|----------|-----|---|-----|-----|----------|--|------------------------------------|--------|--------------------------------|
|  | ST6240B (17) | LCD | Yes | ST62E40B | OTP | 8 | 216 | 128 | 12x8-Bit | 2x8-Bit + Wdg | SPI (12) | 24(4) | PQFP80 (18) |
|  | ST6242B (19) | LCD | Yes | ST62E42B | OTP | 8 | 216 | 128 | 6x8-Bit | 2x8-Bit + Wdg | SPI (12) | 18(4) | PQFP64 (18) |
|  | ST6246B (20) | LCD | Yes | ST62E46B | OTP | 4 | 140 | 128 | 8x8-Bit | 2x8-Bit + Wdg | SPI (12) | 20(4) | SDIP56 (21) |
|  | ST6280B (22) | LCD | Yes | ST62E80B | OTP | 8 | 320 | 128 | 12x8-Bit | 1x8-Bit 1x8-Bit AR + Wdg (8) | SPI UART (13) | 22(10) | PQFP100 (18) |
|  | ST6285B (23) | LCD | Yes | ST62E85B | OTP | 8 | 288 | 128 | 8x8-Bit | 1x8-Bit 1x8-Bit AR + Wdg (8) | SPI UART (13) | 12(4) | PQFP80 (18) |

1) Special Features

2) Fast Advanced Service Technique ROM

3) WDG = 1x7-Bit Watchdog Timer

4) LVD (Low Voltage Detector), RC oscillator, OSG (Oscillator Safe Guard), ROP (Read-Out Protection), Direct LED/Triac Driving

5) The device exists in low voltage version

6) DIP: Dual In Line Package, SO: Small Outline, SSOP: Shrink Small Outline Package

7) LVD (Low Voltage Detector), RC oscillator, OSG (Oscillator Safe Guard), ROP (Read-Out Protection), Direct LED/Triac Driving, IC/OC (Input Capture / Output Compare)

8) Auto-Reload timer

9) The device exists in B version only (without LVD and OSG)

10) UART: Universal Asynchronous Receiver/transmitter

11) DIP: Dual In Line Package, SO: Small Outline

12) SPI: Serial Peripheral Interface

13) SPI: Serial Peripheral Interface, UART: Universal Asynchronous Receiver/transmitter

14) LVD (Low Voltage Detector), RC oscillator, OSG (Oscillator Safe Guard), ROP (Read-Out Protection), Direct LED/Triac Driving, IC/OC (Input Capture / Output Compare), Exists in low voltage version

15) ROP (Read-Out Protection), Direct LED/Triac Driving, IC/OC (Input Capture / Output Compare)

16) SDIP: Shrink Dual In Line Package

17) 45x4 Segment LCD (Liquid Cristal Display), ROP (Read-Out Protection), Direct LED/Triac Driving via High Current I/Os

18) PQFP: Plastic Quad Flat Pack

19) 40x4 Segment LCD (Liquid Cristal Display), ROP (Read-Out Protection), Direct LED/Triac Driving via High Current I/Os

20) 27x4 Segment LCD (Liquid Cristal Display), ROP (Read-Out Protection), Direct LED/Triac Driving via High Current I/Os

21) SDIP: Shrink Dual In Line

22) 48x16 Dot Matrix LCD (Liquid Cristal Display), ROP (Read-Out Protection), Direct LED/Triac Driving

23) 40x16 Dot Matrix LCD (Liquid Cristal Display), ROP (Read-Out Protection), Direct LED/Triac Driving

[Top](#)