

Information Technology Broadcasting and Telecommunications >> Computer Equipment and Accessories >> Computers >> Arduino Microcontroller

Specifications:

Name	Type	Restrictions	Unit	Properties
Group: Specifications				
1. Type of Arduino Controller	Enumerable	Arduino UNO, Arduino NANO, Arduino MEGA	N/A	Mandatory,Filter,Golden
2. Flash Memory (KB)	Ordinal	4(1), 8(2), 16(3), 32(4)	N/A	Mandatory,Filter,Golden
3. SRAM	Ordinal	256(1), 512(2), 1 (KB)(3), 2 (KB)(4), 4 (KB)(5)	N/A	Mandatory,Filter,Golden
4. EEPROM	Ordinal	256(1), 512(2), 1 (KB)(3), 2 (KB)(4), 4 (KB)(-91)	N/A	Mandatory,Filter,Golden
5. External Memory Space Upto (KB)	Numeric	64	N/A	Mandatory,Filter,Golden
6. Write /Erase Cycle For Flash	Numeric	10000	N/A	Mandatory,Filter,Golden
7. Write/ Erase Cycle For EEPROM	Numeric	100000	N/A	Mandatory,Filter,Golden
8. Frequency Clock Speed (Mhz)	Numeric	16	N/A	Mandatory
9. Programming Lock For Software Security	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
10. Operating System Supported	Enumerable	MAC, Linux	N/A	Mandatory,Filter,Golden
11. Digital Input/ Output Pin	Numeric	16	N/A	Mandatory,Filter,Golden
12. Analog Input Pins	Numeric	6, 8	N/A	Mandatory,Filter,Golden
13. Internal Interrupts Sources	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
14. External Interrupts Sources	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
15. PWM Pins	Numeric	3, 5, 6, 9, 11	N/A	Mandatory,Filter,Golden
16. Communication	Enumerable	SPI, USART, IIC	N/A	Mandatory,Filter,Golden
17. SPI Serial Interface	Enumerable	Master, Slave	N/A	Mandatory,Filter,Golden
18. SPI Pins	Ordinal	10 (SS)(1), 11 (MOSI)(2), 12 (MISO)(3), 13 (SCK)(4)	N/A	Mandatory,Filter,Golden
19. USART Pins	Numeric	1, 2, 4	N/A	Mandatory,Filter,Golden
20. Reset Pin	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
21. Programmable Watchdog Timer With Separate On-Chip Oscillator	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
22. Real Time Counter With Separate Oscillator	Boolean	Yes, No	N/A	Mandatory,Filter,Golden

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23. Serial	Enumerable	RX, TX	N/A	Mandatory,Filter,Golden
24. USB	Enumerable	Mini	N/A	Mandatory,Filter,Golden
25. Sleep Modes	Enumerable	Idle, ADC Noise Reduction, Power-Save, Power-Down, Standby	N/A	Mandatory,Filter,Golden
26. RoHS Compliance	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
27. Minimum Operating Temperature (Degree C)	Numeric	Any value	N/A	Mandatory,Filter,Golden
28. Maximum Operating Temperature (Degree C)	Numeric	Any value	N/A	Mandatory,Filter,Golden
29. Weight (in grams)	Numeric	Any value	N/A	Mandatory,Filter,Golden
30. Dimensions (mm)	Numeric	Any value	N/A	Mandatory,Filter,Golden
31. Warranty in (Years)	Numeric	1, 3, 5	N/A	Mandatory,Filter,Golden