

ATSAMD20J15A-CNT



Part Number: [ATSAMD20J15A-CNT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 32KB FLASH 64UFBGA

Data sheet:  [SAM D20\(E,G,J\) Summary](#)
 [SAM D20 Family Silicon Errata](#)
 [SAM D20 Family Complete Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

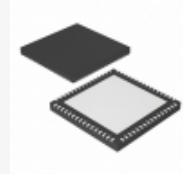
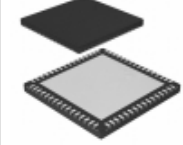
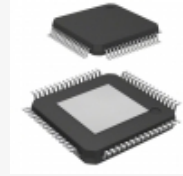
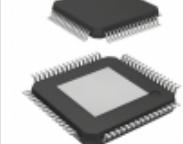
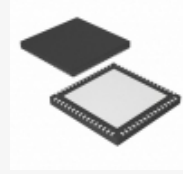
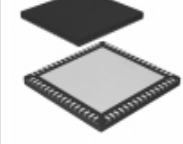
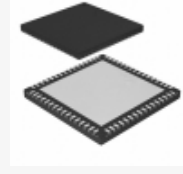
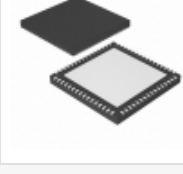
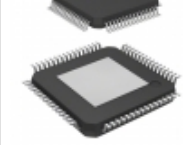
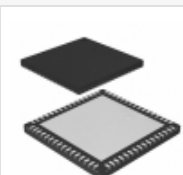
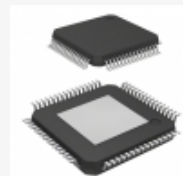
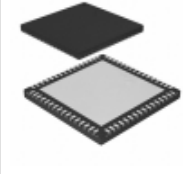
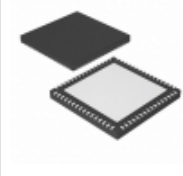
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PRODUCT PARAMETER			
Part Number	ATSAMD20J15A-CNT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 32KB FLASH 64UFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	48824 pcs	Data sheet	SAM D20(E,G,J) Summary SAM D20 Family Silicon Errata SAM D20 Family Complete Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	64-UFBGA (5x5)	Speed	48MHz
Series	SAM D20J	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, POR, WDT	Packaging	Tape & Reel (TR)
Package / Case	64-UFBGA	Other Names	ATSAMD20J15A-CNT-ND ATSAMD20J15A-CNTTR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	52	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	24 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ SAM D20J Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 64-UFBGA (5x5)
Data Converters	A/D 20x12b, D/A 1x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I²C, SPI, UART/USART
Base Part Number	ATSAMD20J15		
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	Part#: ATSAMD20J15A-MNT Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15B-AUT Description: 64TQFP IND TEMP, GREEN,1.6-3.6V,	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J14B-AUT Description: 64TQFP IND TEMP, GREEN,1.6-3.6V,	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15B-MUT Description: 64QFN IND TEMP, GREEN,1.6-3.6V,4	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-MN Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-MUT Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J14B-MU Description: 64QFN IND TEMP, GREEN,1.6-3.6V,4	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-CU Description: IC MCU 32BIT 32KB FLASH 64UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15B-AU Description: 64TQFP IND TEMP, GREEN,1.6-3.6V,	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-CUT Description: IC MCU 32BIT 32KB FLASH 64UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD20J15A-AU Description: IC MCU 32BIT 32KB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-MU Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J14B-AU Description: 64TQFP IND TEMP, GREEN,1.6-3.6V,	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J14A-MUT Description: IC MCU 32BIT 16KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-AUT Description: IC MCU 32BIT 32KB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15B-MU Description: 64QFN IND TEMP, GREEN,1.6-3.6V,4	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD20J15A-AN Description: IC MCU 32BIT 32KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ

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