

ATSAMV70Q20B-AAB



Part Number: [ATSAMV70Q20B-AAB](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: FLASH, 384KB SRAM

Data sheet:  [SAM E/S/V70,V71 Family Errata](#)
 [SAM E/S/V70,V71 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

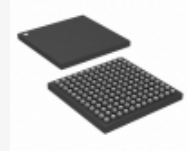
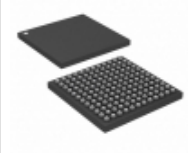
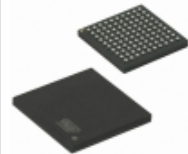
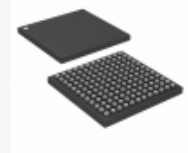
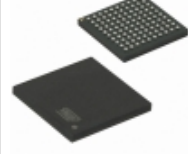
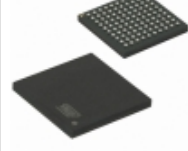
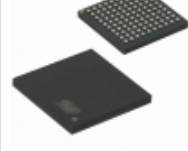
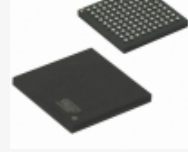
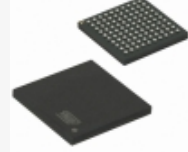
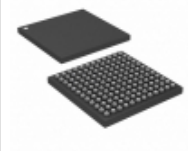
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PRODUCT PARAMETER			
Part Number	ATSAMV70Q20B-AAB	Manufacturer	Micrel / Microchip Technology
Description	FLASH, 384KB SRAM	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8733 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Datasheet 3 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	300MHz
Series	Automotive, AEC-Q100, SAM V70	RAM Size	384K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	114
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 Automotive, AEC-Q100, SAM V70 Microcontroller IC 32-Bit 300MHz 1MB (1M x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 24x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SPI, SSC, UART/USART, USB		
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