



### Z8F083ASH020SG

Part Number: **Z8F083ASH020SG**  
 Product Description: IC MCU 8BIT 8KB FLASH 20SOIC  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.Z8F083ASH020SG.pdf](#)  
[2.Z8F083ASH020SG.pdf](#)  
[3.Z8F083ASH020SG.pdf](#)

Manufacturer/Brand: Zilog  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation.  
 See specifications for product details.

#### Product details

|   |  |  |  |
|---|--|--|--|
| <b>Part Number</b>                      | Z8F083ASH020SG   | <b>Manufacturer</b>                    | Zilog                                      |
| <b>Description</b>                      | IC MCU 8BIT 8KB FLASH 20SOIC   | <b>Lead Free Status / RoHS Status</b>  | Lead free / RoHS Compliant                 |
| <b>Data sheet</b>                       | 1.Z8F083ASH020SG.pdf2.Z8F083ASH020SG.pdf3.Z8F083ASH020SG.pdf           |  |  |
| <b>Voltage - Supply (Vcc/Vdd)</b>       | 2.7 V ~ 3.6 V  | <b>Supplier Device Package</b>         | 20-SOIC                                    |
| <b>Speed</b>                            | 20MHz  | <b>Series</b>                          | Encore!®                                   |
| <b>RAM Size</b>                         | 256 x 8  | <b>Program Memory Type</b>             | FLASH                                      |
| <b>Program Memory Size</b>              | 8KB (8K x 8)   | <b>Peripherals</b>                     | Brown-out Detect/Reset, LED, POR, PWM, WDT |
| <b>Packaging</b>                        | Tube   | <b>Package / Case</b>                  | 20-SOIC (0.295", 7.50mm Width)             |
| <b>Other Names</b>                      | 269-4557-5   | <b>Oscillator Type</b>                 | Internal                                   |
| <b>Operating Temperature</b>            | 0°C ~ 70°C (TA)  | <b>Number of I/O</b>                   | 17   |
| <b>Moisture Sensitivity Level (MSL)</b> | 1 (Unlimited)  | <b>Manufacturer Standard Lead Time</b> | 14 Weeks                                   |
| <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant   | <b>EEPROM Size</b>                     | -  |
| <b>Detailed Description</b>             | eZ8 Encore!® Microcontroller IC 8-Bit 20MHz 8KB (8K x 8) FLASH 20-SOIC | <b>Data Converters</b>                 | A/D 7x10b                                  |
| <b>Core Size</b>                        | 8-Bit  | <b>Core Processor</b>                  | eZ8  |
| <b>Connectivity</b>                     | -  | <b>Base Part Number</b>                | Z8F083A                                    |

#### Related Products

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