

CY8C5866AXI-LP020



Part Number: [CY8C5866AXI-LP020](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 64KB FLASH 100TQFP

Data sheet:  [CY8C58LP Family](#)

RoHs Status: Lead free / RoHS Compliant

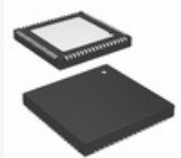
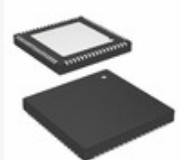
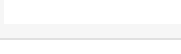
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |                                 |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                               | CY8C5866AXI-LP020                                                                                      | Manufacturer                    | <a href="#">Cypress Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 64KB FLASH 100TQFP                                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                        | 9390 pcs                                                                                               | Data sheet                      | <a href="#">CY8C58LP Family</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                                              | Voltage - Supply (Vcc/Vdd)      | 1.71 V ~ 5.5 V                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                   | 100-TQFP (14x14)                                                                                       | Speed                           | 67MHz                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                    | PSOC® 5 CY8C58LP                                                                                       | RAM Size                        | 16K x 8                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                                  | Program Memory Size             | 64KB (64K x 8)                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                               | CapSense, DMA, LCD, POR, PWM, WDT                                                                      | Packaging                       | Tray                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP                                                                                               | Oscillator Type                 | Internal                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                                                      | Number of I/O                   | 62                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                                                                          | Manufacturer Standard Lead Time | 15 Weeks                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                                             | EEPROM Size                     | 2K x 8                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                      | ARM® Cortex®-M3 PSOC® 5 CY8C58LP Microcontroller IC 32-Bit 67MHz 64KB (64K x 8) FLASH 100-TQFP (14x14) | Data Converters                 | A/D 1x20b, 1x12b, D/A 4x8b            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                                 | Core Processor                  | ARM® Cortex®-M3                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, I²C, LINbus, SPI, UART/USART, USB                                                              | Base Part Number                | CY8C5866                              |
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|  | Part#: <a href="#">CY8C5667LTI-LP009</a><br>Description: IC MCU 32BIT 128KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
|  | Part#: <a href="#">CY8C5866AXI-LP021</a><br>Description: IC MCU 32BIT 64KB FLASH 100TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
|  | Part#: <a href="#">CY8C5868LTI-LP038</a><br>Description: IC MCU 32BIT 256KB FLASH 68QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | RFQ |
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