



Cypress Semiconductor



CG8000AA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | CG8000AA                                                                                                     |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 32KB FLASH 44TQFP                                                                               |
| Datasheets:         |  CG8000AA.pdf               |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6153 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of CG8000AA

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | CG8000AA                                                                                              |
| MANUFACTURER                     | Cypress Semiconductor                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 44TQFP                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 6153 pcs                                                                                              |
| DATA SHEET                       |  CG8000AA.pdf      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 5.5 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                       |
| SPEED                            | 48MHz                                                                                                 |
| SERIES                           | PSOC® 4 CY8C42xx                                                                                      |
| RAM SIZE                         | 4K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT                                             |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 44-LQFP                                                                                               |
| OTHER NAMES                      | CG8000AAINACTIVE                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                          |
| NUMBER OF I/O                    | 36                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 PSOC® 4 CY8C42xx Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 44-TQFP (10x10) |
| DATA CONVERTERS                  | A/D 8x12b                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                       |
| CONNECTIVITY                     | I²C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART                                         |

Related Tags

|                                |                                     |                                    |
|--------------------------------|-------------------------------------|------------------------------------|
| Cypress Semiconductor CG8000AA | CG8000AA Distributor                | CG8000AA Supplier                  |
| CG8000AA Price                 | CG8000AA Pictures                   | CG8000AA Image                     |
| CG8000AA PDF Datasheet         | CG8000AA Download Datasheet         | CG8000AA Datasheet                 |
| CG8000AA Stock                 | Buy CG8000AA                        | Buy Cypress Semiconductor CG8000AA |
| Cypress Semiconductor CG8000AA | Cypress Semiconductor Supplier      | Cypress Semiconductor Distributor  |
| Cypress Semiconductor CG8000AA | Cypress Semiconductor Corp CG8000AA |                                    |

Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>CG8019AAT</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MEMORY F-RAM PAR 32TSOP I<br/>In stock: 4749 pcs</div> <div>RFQ</div>        |  <div><b>CG8019AA</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MEMORY F-RAM PAR 32TSOP I<br/>In stock: 4879 pcs</div> <div>RFQ</div>        |
|  <div><b>CG8016AM</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC SRAM MICROPOWER<br/>In stock: 6334 pcs</div> <div>RFQ</div>                   |  <div><b>CG801U050R2C</b><br/>Manufacturers: Cornell Dubilier Electronics<br/>Description: CAP ALUM 800UF 50V SCREW<br/>In stock: 6336 pcs</div> <div>RFQ</div> |
|  <div><b>CG8014AA</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC SRAM MICROPOWER 44TSOP II<br/>In stock: 6684 pcs</div> <div>RFQ</div>         |  <div><b>CG8016AMT</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC SRAM MICROPOWER<br/>In stock: 3848 pcs</div> <div>RFQ</div>                 |
|  <div><b>CG8062AA</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU CAPSENSE 48SSOP<br/>In stock: 6351 pcs</div> <div>RFQ</div>               |  <div><b>CG801U075R2C</b><br/>Manufacturers: Cornell Dubilier Electronics<br/>Description: CAP ALUM 800UF 75V SCREW<br/>In stock: 6033 pcs</div> <div>RFQ</div> |
|  <div><b>CG8014AAT</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC SRAM MICROPOWER 44TSOP II<br/>In stock: 3610 pcs</div> <div>RFQ</div>        |  <div><b>CG8020AA</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU CAPSENSE<br/>In stock: 3623 pcs</div> <div>RFQ</div>                     |
|  <div><b>CG801T250V4C</b><br/>Manufacturers: Cornell Dubilier Electronics<br/>Description: CAP ALUM 800UF 250V SCREW<br/>In stock: 2371 pcs</div> <div>RFQ</div> |  <div><b>CG8020AAT</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU CAPSENSE<br/>In stock: 3422 pcs</div> <div>RFQ</div>                    |