



Image may be representation. See specifications for product details.

DF2144AFA20V

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DF2144AFA20V                                                                                                       |
| Manufacturer/Brand: | Renesas Electronics America                                                                                        |
| Product description | IC MCU 16BIT 128KB FLASH 100QFP                                                                                    |
| Datasheets:         |  <a href="#">DF2144AFA20V.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant       |
| Stock Condition     | 5024 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                              |

REQUEST FOR QUOTATION

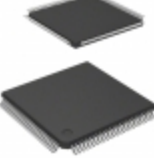
Specifications of DF2144AFA20V

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DF2144AFA20V                                                                                                         |
| MANUFACTURER                     | Renesas Electronics America                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 128KB FLASH 100QFP                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| QUANTITY AVAILABLE               | 5024 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">DF2144AFA20V.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4 V ~ 5.5 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 100-QFP (14x14)                                                                                                      |
| SPEED                            | 20MHz                                                                                                                |
| SERIES                           | H8® H8S/2100                                                                                                         |
| RAM SIZE                         | 4K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                     |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                        |
| PACKAGING                        | Tray                                                                                                                 |
| PACKAGE / CASE                   | 100-BFQFP                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                             |
| OPERATING TEMPERATURE            | -20°C ~ 75°C (TA)                                                                                                    |
| NUMBER OF I/O                    | 74                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| EEPROM SIZE                      | -                                                                                                                    |
| DETAILED DESCRIPTION             | H8S/2000 H8® H8S/2100 Microcontroller IC 16-Bit 20MHz 128KB (128K x 8) FLASH 100-QFP (14x14)                         |
| DATA CONVERTERS                  | A/D 8x10b; D/A 2x8b                                                                                                  |
| CORE SIZE                        | 16-Bit                                                                                                               |
| CORE PROCESSOR                   | H8S/2000                                                                                                             |
| CONNECTIVITY                     | IrDA, SCI                                                                                                            |
| BASE PART NUMBER                 | DF2144                                                                                                               |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Renesas Electronics America DF2144AFA20V | DF2144AFA20V Distributor             | DF2144AFA20V Supplier                        |
| DF2144AFA20V Price                       | DF2144AFA20V Pictures                | DF2144AFA20V Image                           |
| DF2144AFA20V PDF Datasheet               | DF2144AFA20V Download Datasheet      | DF2144AFA20V Datasheet                       |
| DF2144AFA20V Stock                       | Buy DF2144AFA20V                     | Buy Renesas Electronics America DF2144AFA20V |
| Renesas Electronics America DF2144AFA20V | Renesas Electronics America Supplier | Renesas Electronics America Distributor      |
| Renesas Electronics America DF2144AFA20V | Renesas Technology Corp DF2144AFA20V | Renesas DF2144AFA20V                         |

Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                       |
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| <div></div> <div><b>DF2145BFA20IV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 2869 pcs</div> <div>RFQ</div>                           | <div></div> <div><b>DF2144FA20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100QFP<br/>In stock: 3185 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>DF2138AVTF10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80TQFP<br/>In stock: 5883 pcs</div> <div>RFQ</div>  | <div></div> <div><b>DF2138AVFA10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80QFP<br/>In stock: 6043 pcs</div> <div>RFQ</div>   |
| <div></div> <div><b>DF2138AFA20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80QFP<br/>In stock: 5177 pcs</div> <div>RFQ</div>    | <div></div> <div><b>DF2144AVFA10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100QFP<br/>In stock: 5012 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>DF2144VFA10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100QFP<br/>In stock: 2870 pcs</div> <div>RFQ</div>   | <div></div> <div><b>DF2140BVT E10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 64KB FLASH 100TQFP<br/>In stock: 7187 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>DF2144FA20IV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100QFP<br/>In stock: 4132 pcs</div> <div>RFQ</div>   | <div></div> <div><b>DF2138ATF20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 80TQFP<br/>In stock: 3198 pcs</div> <div>RFQ</div>   |
| <div></div> <div><b>DF2144AVTE10V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 100TQFP<br/>In stock: 6228 pcs</div> <div>RFQ</div> | <div></div> <div><b>DF2134TF20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU<br/>In stock: 6216 pcs</div> <div>RFQ</div>                             |