



## DF2117VBG20V

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DF2117VBG20V                                                                                                 |
| Manufacturer/Brand: | Renesas Electronics America                                                                                  |
| Product description | IC MCU 16BIT 160KB FLASH 176BGA                                                                              |
| Datasheets:         |  1.DF2117VBG20V.pdf         |
|                     |  2.DF2117VBG20V.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 4416 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

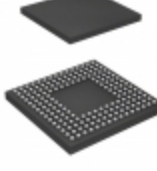
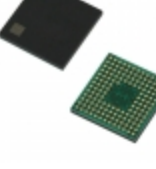
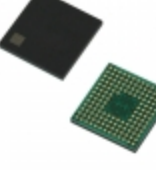
### Specifications of DF2117VBG20V

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DF2117VBG20V                                                                                           |
| MANUFACTURER                     | Renesas Electronics America                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 160KB FLASH 176BGA                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 4416 pcs                                                                                               |
| DATA SHEET                       |  1.DF2117VBG20V.pdf |
|                                  |  2.DF2117VBG20V.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 176-LFBGA (13x13)                                                                                      |
| SPEED                            | 20MHz                                                                                                  |
| SERIES                           | H8® H8S/2100                                                                                           |
| RAM SIZE                         | 8K x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 160KB (160K x 8)                                                                                       |
| PERIPHERALS                      | POR, PWM, WDT                                                                                          |
| PACKAGING                        | Tray                                                                                                   |
| PACKAGE / CASE                   | 176-LFBGA                                                                                              |
| OTHER NAMES                      | DF2117VBG20RV                                                                                          |
| OSCILLATOR TYPE                  | External                                                                                               |
| OPERATING TEMPERATURE            | -20°C ~ 75°C (TA)                                                                                      |
| NUMBER OF I/O                    | 128                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| EEPROM SIZE                      | -                                                                                                      |
| DETAILED DESCRIPTION             | H8S/2600 H8® H8S/2100 Microcontroller IC 16-Bit 20MHz 160KB (160K x 8) FLASH 176-LFBGA (13x13)         |
| DATA CONVERTERS                  | A/D 16x10b                                                                                             |
| CORE SIZE                        | 16-Bit                                                                                                 |
| CORE PROCESSOR                   | H8S/2600                                                                                               |
| CONNECTIVITY                     | FIFO, I²C, LPC, SCI, SmartCard                                                                         |
| BASE PART NUMBER                 | DF2117                                                                                                 |

### Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Renesas Electronics America DF2117VBG20V | DF2117VBG20V Distributor             | DF2117VBG20V Supplier                        |
| DF2117VBG20V Price                       | DF2117VBG20V Pictures                | DF2117VBG20V Image                           |
| DF2117VBG20V PDF Datasheet               | DF2117VBG20V Download Datasheet      | DF2117VBG20V Datasheet                       |
| DF2117VBG20V Stock                       | Buy DF2117VBG20V                     | Buy Renesas Electronics America DF2117VBG20V |
| Renesas Electronics America DF2117VBG20V | Renesas Electronics America Supplier | Renesas Electronics America Distributor      |
| Renesas Electronics America DF2117VBG20V | Renesas Technology Corp DF2117VBG20V | Renesas DF2117VBG20V                         |

### Related Products

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
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| <div></div> <div><b>DF2117VT20HV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 4526 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>DF2117VT20IHV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 6606 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DF2117VBG20IHV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 176BGA<br/>In stock: 4319 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>DF2117RVT20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 4901 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>DF2117VT20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 3697 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>DF2117VLP20HV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 145LGA<br/>In stock: 4428 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>DF2117RVPLP20HV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 8TSSOP<br/>In stock: 2771 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>DF2117VLP20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 145LGA<br/>In stock: 5168 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>DF2128FA20V</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 128KB FLASH 64QFP<br/>In stock: 6979 pcs<br/><div>RFQ</div></div>      | <div></div> <div><b>DF2117RVT20HV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 7012 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DF2117RVT20IHV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 6176 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>DF2117RVPT20HV</b><br/>Manufacturers: Renesas Electronics America<br/>Description: IC MCU 16BIT 160KB FLASH 144TQFP<br/>In stock: 6562 pcs<br/><div>RFQ</div></div> |