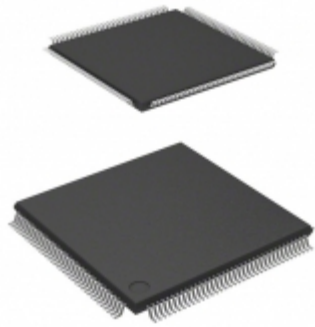


DF2117VT20V



Part Number: [DF2117VT20V](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 160KB FLASH 144TQFP

Data sheet:  [H8S/2117R Hardware Manual](#)  
 [H8S/2117 Group Hrdw Manual](#)

RoHs Status: Lead free / RoHS Compliant

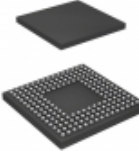
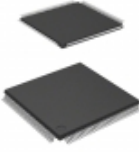
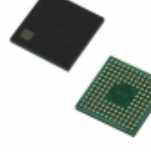
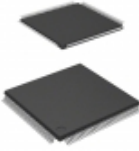
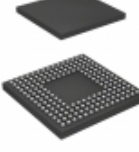
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DF2117VT20V                               | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 16BIT 160KB FLASH 144TQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5367 pcs                                  | Data sheet                     | <a href="#">H8S/2117R Hardware Manual</a><br><a href="#">H8S/2117 Group Hrdw Manual</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 144-TQFP (16x16)                          | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-TQFP                                  | Oscillator Type                | External                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -20°C ~ 75°C (TA)                         | Number of I/O                  | 112                                                                                           |
| 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 144-TQFP (16x16) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A/D 16x10b                                | Core Size                      | 16-Bit                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | H8S/2600                                  | Connectivity                   | FIFO, I²C, LPC, SCI, SmartCard                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DF2117                                    |                                |                                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                            |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">DF2117VBG20V</a><br>Description: IC MCU 16BIT 160KB FLASH 176BGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117RVPT20HV</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2128FA20V</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117VT20IHV</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2132RFA20V</a><br>Description: IC MCU 16BIT 64KB FLASH 80QFP      | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117RVT20IHV</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117VLP20HV</a><br>Description: IC MCU 16BIT 160KB FLASH 145LGA   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2132RFA20JV</a><br>Description: IC MCU                            | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2132RTF20V</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117RVT20HV</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2134AVFA10V</a><br>Description: IC MCU 16BIT 128KB FLASH 80QFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117VT20HV</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2134AVTF10V</a><br>Description: IC MCU 16BIT 128KB FLASH 80TQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2134ATF20V</a><br>Description: IC MCU 16BIT 128KB FLASH 80TQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117RVT20V</a><br>Description: IC MCU 16BIT 160KB FLASH 144TQFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117VBG20IHV</a><br>Description: IC MCU 16BIT 160KB FLASH 176BGA  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2117VLP20V</a><br>Description: IC MCU 16BIT 160KB FLASH 145LGA    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2132RVTF10V</a><br>Description: IC MCU 16BIT 64KB FLASH 80TQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF2134AFA20V</a><br>Description: IC MCU 16BIT 128KB FLASH 80QFP     | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

Related keywords for DF2117VT20V

|                                         |                                     |                      |                   |
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