

DF61656CN35FTV



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Part Number: [DF61656CN35FTV](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 120TQFP

Data sheet:  [H8SX/1657 Group Hardware Manual](#)

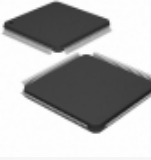
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                |                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DF61656CN35FTV                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 32BIT 512KB FLASH 120TQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5422 pcs                                  | Data sheet                     | <a href="#">H8SX/1657 Group Hardware Manual</a>                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 120-TQFP (14x14)                          | Speed                          | 35MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H8® H8SX/1600                             | RAM Size                       | 24K x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                     | Program Memory Size            | 512KB (512K x 8)                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DMA, PWM, WDT                             | Packaging                      | Tray                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 120-TQFP                                  | Oscillator Type                | Internal                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -20°C ~ 75°C (TA)                         | Number of I/O                  | 82                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | H8SX H8® H8SX/1600 Microcontroller IC 32-Bit 35MHz 512KB (512K x 8) FLASH 120-TQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A/D 8x10b; D/A 2x8b                       | Core Size                      | 32-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | H8SX                                      | Connectivity                   | SCI, SmartCard                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DF61656                                   |                                |                                                                                            |
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|  | Part#: <a href="#">DF61656N35FTV</a><br>Description: IC MCU 32BIT 512KB FLASH 120TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DF61-2S-2.2C(12)</a><br>Description: CONN RCPT2.2MM 2POS YELLOW     | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF61654N50FTV</a><br>Description: IC MCU 32BIT 512KB FLASH 120TQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DF61-2S-2.2C(11)</a><br>Description: CONN RCPT 2.2MM 2POS RED       | Manufacturers: <a href="#">Hirose</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">DF61657BN35FTV</a><br>Description: IC MCU 32BIT 768KB FLASH 120TQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

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