

HD6417040AVCF16V



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**Part Number:** [HD6417040AVCF16V](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 32BIT ROMLESS 112QFP

**Data sheet:**  [SH7040-45 Group Hardware Manual](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                |                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                          | HD6417040AVCF16V                          | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT ROMLESS 112QFP               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                   | 5961 pcs                                  | Data sheet                     | <a href="#">SH7040-45 Group Hardware Manual</a>                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                              | 112-QFP (20x20)                           | Speed                          | 16MHz                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                               | SuperH® SH7040                            | RAM Size                       | 4K x 8                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                  | ROMless                                   | Program Memory Size            | -                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                          | DMA, POR, PWM, WDT                        | Packaging                      | Tray                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                       | 112-BQFP                                  | 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           | SH-2 SuperH® SH7040 Microcontroller IC 32-Bit 16MHz ROMless 112-QFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                      | A/D 8x10b                                 | Core Size                      | 32-Bit                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                       | SH-2                                      | Connectivity                   | EBI/EMI, SCI                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                     | HD6417040                                 |                                |                                                                             |
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| RELATED PRODUCTS                                                                   |                                           |                                                            |     |
|------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------|-----|
|  | Part#: <a href="#">HD6417034AF20V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417040AF28V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU                       |                                                            |     |
|  | Part#: <a href="#">HD6417144FW50V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417011VX20V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 100TQFP |                                                            |     |
|  | Part#: <a href="#">HD6417041ACF28V</a>    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 144QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417020SVX12IV</a>   | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 100TQFP |                                                            |     |
|  | Part#: <a href="#">HD6417145FW50V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 144LQFP |                                                            |     |
|  | Part#: <a href="#">HD6417040ACF28V</a>    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417144F50V</a>      | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417334F66BV</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 3V 0K PB FREE 208FP   |                                                            |     |
|  | Part#: <a href="#">HD6417145F50V</a>      | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 144LQFP |                                                            |     |
|  | Part#: <a href="#">HD6417014F28V</a>      | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417041AVF16V</a>    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 144QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417615ARFV</a>      | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 208LQFP |                                                            |     |
|  | Part#: <a href="#">HD6417014RF28V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417616RFV</a>       | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 208LQFP |                                                            |     |
|  | Part#: <a href="#">HD6417041AF28V</a>     | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 144QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417040ACFI28V</a>   | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |
|  | Part#: <a href="#">HD6417020SX20IV</a>    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 100TQFP |                                                            |     |
|  | Part#: <a href="#">HD6417034AFI20V</a>    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
|                                                                                    | Description: IC MCU 32BIT ROMLESS 112QFP  |                                                            |     |

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