# MC9S12DJ64VFUER :Part Detail

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## General Information

| | |
|---|---|
| Part Number | MC9S12DJ64VFUER |
| Description | S12DJ 16-bit MCU, HCS12 core, 64KB Flash, QFP 80 |
| Product Line | G9GSDJ64 |
| PTI | MCJD |
| Material Type | Tested Packaged Device |
| Life Cycle Description (code) | PRODUCT MATURITY/SATURATION |
| Status | Active |
| Application/Qualification Tier | 10-YEARS APPLICATION LIFE |

## Package Information

| | |
|---|---|
| Package Type and Termination Count | QFP 80 |
| Package Description and Mechanical Drawing | QFP 80 14*14*2.2P0.65 |
| Device Weight(g) | 0.93550 |
| Package Material | Plastic |
| Mounting Style | Surface Mount |
| Package Length (nominal)(mm) | 14.000 |
| Package Width (nominal)(mm) | 14.000 |
| Package Thickness (nominal)(mm) | 2.450 |
| Tape & Reel | Yes |

## Environmental and Compliance Information

| | |
|---|---|
| Pb-Free | |
| RoHS Compliant | |
| Halogen Free | Yes |
| Material Composition Declaration (MCD) | Download MCD Report Download MCD Report |
| RoHS Certificate of Analysis (CoA) | Download RoHS CoA Report |
| 2nd Level Interconnect | e3 |

| | |
|---|---|
| Moisture Sensitivity Level (MSL) | 3 |
| Floor Life | 168 HOURS |
| Peak Package Body Temperature (PPT)(°C) | 260 |
| Maximum Time at Peak Temperature (s) | 40 |
| Number of Reflow Cycles | 3 |
| REACH SVHC | NXP REACH Statement |
| UL94 (plastics flammability test) | V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed |

## Manufacturing Information

| | |
|---|---|
| Micron Size(µm) | .25 |

## Ordering Information

| | |
|---|---|
| Minimum Package Quantity (MPQ) | 750 |
| MPQ Container | REEL |
| Exempt from Minimum Delivery Value | No |
| Preferred Order Quantity (POQ) | 750 |
| POQ Container | BOX |
| Leadtime (weeks) | 10 |
| Export Control Classification Number (US) | 3A991A2 |
| Harmonized Tariff ( | |
| CCATS Document | - |
| ENC Status | - |
| Other Trade Compliance Documents | - |
| Budgetary Price excluding tax(US Currency | - |
| Order | |

## Product/Process Change Notice (PCN)

| Number | Type | Title | Issue Date | Effectivity Date |
|---|---|---|---|---|
| 16235 | Product Change Notice | Copper Wire Conversion for Microcontroller and Microprocessor Devices | 20 May 2014 | 29 Jul 2014 |

## Operating Characteristics

| | |
|---|---|
| ADC | 16-ch. 10-bit |
| ADC (bit) | 10 |
| ADC (ch) | 16 |
| Additional Features | COP<br>Internal Voltage Regulator<br>PLL |

| | |
|---|---|
| Ambient Operating Temperature (Min-Max) (°C) | -40 to 105 |
| Bus Frequency (Max) (MHz) | 25 |
| CAN | 3 |
| CAN Type | CAN 2.0 A/B |
| Core Type | S12 |
| EEPROM (KB) | 1 |
| GPIOs | 59 |
| I2C | 1 |
| Internal Flash (KB) | 64 |
| Internal RAM (KB) | 4 |
| J1850 | 1 |
| PWM | 4-ch. 8-bit |
| PWM (bit) | 8<br>16 |
| PWM (ch) | 4<br>8 |
| Sample Exception Availability | N |
| SCI | 2 |
| SPI | 3 |
| Timers | 8-ch. 16 bit |

Reliability Data Lookup


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