

MC68040FE40A Information

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General Information

| Parameter | Value |
|--|---------------------------|
| Part Number | MC68040FE40A |
| Description | 32BIT W/ CACHE, MMU, FPU |
| Product Line | GGE68040 |
| PTI | MBTG |
| Material Type | Tested Packaged Device |
| Life Cycle Description (code) | PRODUCT LAST SHIPMENTS |
| Status | No Longer Manufactured |
| Application/Qualification Tier | 10-YEARS APPLICATION LIFE |

Package Information

| Parameter | Value |
|--|---------------------------|
| Package Type and Termination Count | CQUAD 184 |
| Package Description and Mechanical Drawing | CQUAD 184 |
| Device Weight(g) | 10.56695 |
| Package Material | Ceramic |
| Mounting Style | Surface Mount |
| Package Length (nominal)(mm) | 31.300 |
| Package Width (nominal)(mm) | 31.300 |
| Package Thickness (nominal)(mm) | 4.880 |
| Tape & Reel | No |

Environmental and Compliance Information

| Parameter | Value |
|--|---|
| Pb-Free | No |
| RoHS Compliant |  |
| RoHS technical exemption(s) | 7c-l |
| Halogen Free | Yes |
| Material Composition Declaration (MCD) | Download MCD Report  Download MCD Report  |
| RoHS Certificate of Analysis (CoA) | Contact Us |
| 2nd Level Interconnect | e3 |
| Moisture Sensitivity Level (MSL) | 1 |
| Floor Life | UNLIMITED |
| Peak Package Body Temperature (PPT)(°C) | 260 |
| Maximum Time at Peak Temperature (s) | 40 |
| Number of Reflow Cycles | 3 |
| REACH SVHC | Freescale REACH Statement |

Manufacturing Information

| Parameter | Value |
|-----------------|-------|
| Micron Size(?m) | .57 |

Ordering Information

| Parameter | Value |
|--|-----------------------------|
| Last Order Date | 21 Nov 2014 |
| Last Ship Date | 21 Nov 2015 |
| Minimum Package Quantity (MPQ) | 24 |
| MPQ Container | TRAY |
| Exempt from Minimum Delivery Value | Yes |
| Preferred Order Quantity (POQ) | 240 |
| POQ Container | BOX |
| Export Control Classification Number (US) | 3A991 |
| Harmonized Tariff (US) Disclaimer | 8542.31.0000 |
| CCATS Document | - |
| ENC Status | - |
| Other Trade Compliance Documents | - |
| Budgetary Price excluding tax(US\$) Change Currency | 10000 @ US\$251.65 each |
| Order | Distributor |

Product/Process Change Notice (PCN)

| Number | Type | Title | Issue Date | Effectivity Date |
|--------|------------------------|---|-------------|------------------|
| 15939 | Product Discontinuance | END OF LIFE OF SELECT MICROCONTROLLER DEVICES | 21 Nov 2013 | 21 Nov 2013 |
| 11910 | Product Change Notice | TSPG MCD32 MC68040 MIN FREQ SPEC CHANGE | 15 Mar 2006 | 13 Jun 2006 |
| 11342 | Update Notification | UPDATE TO TSPG BAT3 PROBE EXPANSION | 31 Aug 2005 | 27 Sep 2005 |
| 11262 | Product Change Notice | TSPG BAT3 PROBE EXPANSION | 19 Aug 2005 | 17 Nov 2005 |
| 10742 | Product Bulletin | KLM PACKING CHANGE FOR TRAY DEVICES | 28 Mar 2005 | 02 Apr 2005 |
| 9048 | Product Bulletin | TIC SUPPORT FOR QUALITY QUERIES IN EMEA | 04 Aug 2003 | 05 Aug 2003 |
| 8219 | Product Bulletin | MC68040 MOS11 QUALIFICATION | 22 Nov 2002 | 23 Nov 2002 |
| 7258 | Product Change Notice | TRANSFER PRODUCTS FROM TSC8 | 01 Mar 2002 | 10 Jun 2002 |

Operating Characteristics

| Parameter | Value |
|---|---|
| Additional Features | Floating Point Unit (FPU) Memory Management Unit (MMU) |
| Ambient Operating Temperature (Min-Max) (°C) | 0 to 70 |
| Cache (KB) | 8 |
| Chip Selects | 12 |
| Core: Performance in MIPS | 40 |
| GPIOs | 22 |
| I/O Operating Voltage (Max) (V) | 5 |
| Operating Frequency (Max) (MHz) | 40 |
| Sample Exception Availability | N |
| SCI | 1 |
| Serial Interface - Number of Serial Interfaces | 1 |
| Serial Interface - Serial Interface Type | SCI SPI |
| SPI | 1 |

[Reliability Data Lookup](#)