

MC68EC040FE40A Information

[General information](#)
[Package information](#)
[Environmental and Compliance information](#)
[Manufacturing and Qualification information](#)
[Ordering information](#)
[Product/Process Change Notice \(PCN\)](#)
[Operating Characteristics](#)

General Information

| Parameter | Value |
|---|--------------------------------|
| Part Number | MC68EC040FE40A |
| Description | 32-BIT W/ CACHE |
| Material Type | Tested Packaged Device |
| Life Cycle Description (code) | PRODUCT MATURITY/SATURATION(4) |
| Status | Active |

Package Information

| Parameter | Value |
|-----------------------|---------------------------|
| Package Description | CQUAD 184 |
| JEDEC Pkg Description | CQFP-G184 |
| Pin/Lead/Ball Count | 184 |
| Package Material | Ceramic |
| Mounting Style | Surface Mount |
| Tape & Reel | No |

Environmental and Compliance Information

| Parameter | Value |
|--|--|
| Pb-Free | No |
| RoHS Compliant | |
| Halogen Free | Yes |
| Product Content Report | Product Content Report |
| 2nd Level Interconnect | e3 |
| Moisture Sensitivity Level (MSL) | 1 |
| Floor Life | UNLIMITED |
| Package Peak Temperature (°C) | 260 |

Manufacturing and Qualification information

| Parameter | Value |
|--|------------------------|
| Micron Size (µm) | .57 |
| Application/Qualification Tier | COMMERCIAL, INDUSTRIAL |

Ordering Information

| Parameter | Value |
|--|--------------|
| Minimum Package Quantity (MPQ) | 24 |
| MPQ Container | TRAY |
| Preferred Order Quantity (POQ) | 240 |
| POQ Container | BOX |
| Leadtime (weeks) | 8 |
| Export Control Classification Number (US) | 3A991 |
| Harmonized Tariff (US disclosure) | 8542.31.0000 |
| Budgetary Price QTY 1000+ (\$US) | \$100.54 |
| Order | |

Product/Process Change Notice (PCN)

| Number | Type | Title | Issue Date | Effectivity Date |
|--------|-----------------------|---|-------------|------------------|
| 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 |
| 7995 | Product Bulletin | MC68EC/LC040 MOS11 QUALIFICATION | 06 Sep 2002 | 07 Sep 2002 |
| 7258 | Product Change Notice | TRANSFER PRODUCTS FROM TSC8 | 01 Mar 2002 | 10 Jun 2002 |

Operating Characteristics

| Parameter | Value |
|---|--------------|
| 32-bit Product Family | 68K/ColdFire |
| A/D Converter | No |
| Ambient Operating Temperature (Ta) (Max) (°C) | 70 |
| Ambient Operating Temperature (Ta) (Min) (°C) | 0 |
| Cache (kByte) | 8 |
| External Bus Width (bit) | 32 |
| I/O Operating Voltage (Max) (V) | 5 |