

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 1
Serial Interface - Serial Interface Type	SCI SPI
SPI	1

[Reliability Data Lookup](#)