

MCF53013CQT240 Information

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General Information

Parameter	Value
Part Number	MCF53013CQT240
Description	LONGJING C&I CFV3 SEC&VOIP
Product Line	GJFSC53
PTI	MBUU
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	QFP 208
Package Description and Mechanical Drawing	LQFP208_28*28*1.4_FCIR
Device Weight(g)	2.51460
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	28.000
Package Width (nominal)(mm)	28.000
Package Thickness (nominal)(mm)	1.600
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
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	Freescle REACH Statement
UL94 (plastics flammability test)	V0: Burning stops within 10 seconds on a vertical specimen; no drips allowed

Manufacturing Information

Parameter	Value
Micron Size(?m)	.09

Ordering Information

Parameter	Value
Exempt from Minimum Delivery Value	Yes
Export Control Classification Number (US)	5A002
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	-
Order	

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
14325	Product Bulletin	CF INTERRUPT CONTROLLER ERRATA	02 Sep 2010	03 Sep 2010

Operating Characteristics

Parameter	Value
Ambient Operating Temperature (Min-Max) (°C)	-40 to 85
Bus Frequency (Max) (MHz)	80
Cache (KB)	16
Chip Selects	6
Core: Performance in MIPS	211
Debug & Trace	JTAG
Ethernet Type	10/100 BaseT
External Bus Interface	Flexbus
External Memory Supported	SDRAM SDR DDR
GPIOs	61
I/O Operating Voltage (Max) (V)	3.6
I2S	1
Internal RAM (KB)	128
Operating Frequency (Max) (MHz)	240
Sample Exception Availability	N
Serial Interface - Number of Serial Interfaces	3 1 1 1 2
Serial Interface - Serial Interface Type	UART I2C SPI SSI Ethernet
Timer type	Real Time Clock
Timers - Timer Channels	8
Total DMA Channels	16
USB features	USB 2.0 USB OTG

[Reliability Data Lookup](#)

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