

MKE02Z32VLD4 Information

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General Information

Parameter	Value
Part Number	MKE02Z32VLD4
Description	Kinetis E 32-bit MCU, ARM Cortex-M0+ core, 32KB Flash, 40MHz, 5V, QFP 44
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT NEWLY INTRO D/RAMP-UP
Status	Active
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL

Package Information

Parameter	Value
Package Type and Termination Count	QFP 44
Package Description and Mechanical Drawing	LQFP 44 10*10*1.4P0.8
Device Weight(g)	.35610
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	10.000
Package Width (nominal)(mm)	10.000
Package Thickness (nominal)(mm)	1.600
Maximum Height Above Board(mm)	1.600
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
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	Freescale 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(μm)	.18

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	160
MPQ Container	TRAY
Preferred Order Quantity (POQ)	1600
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (US) Disclaimer	8542.31.0000
Budgetary Price excluding tax(US\$) Change Currency	
Order	Distributor

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
15926	Product Bulletin	MC9S08PT60/PT16/PA4 AND MKE02Z(MA64) ERRATA UPDATE	12 Nov 2013	13 Nov 2013

Operating Characteristics

Parameter	Value
Sample Exception Availability	N

