

MK21DX256AVMC5R :Part Detail

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General Information

Part Number	MK21DX256AVMC5R
Description	Kinetis K21: 50MHz Cortex-M4 MCU, 320KB Flash, 32KB SRAM, Full-Speed USB, Anti-tamper, 121-BGA, T&R
Product Line	G9VNK201
PTI	MBNC
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier	10-YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	MAPBGA 121
Package Description and Mechanical Drawing	MAPBGA 121 8*8*1.4 P0.65
Device Weight(g)	0.19645
Package Length (nominal)(mm)	8.000
Package Width (nominal)(mm)	8.000
Package Thickness (nominal)(mm)	1.300
Maximum Height Above Board(mm)	1.520
Tape & Reel	Yes

Environmental and Compliance Information

Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report Download MCD Report
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e1
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	NXP REACH Statement
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

Manufacturing Information

Micron Size(μm)	.09
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Ordering Information

Minimum Package Quantity (MPQ)	2000
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	2000
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	-
Order	Similar Samples

Operating Characteristics

Sample Exception Availability	N
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