

SCK60DN512VMD10 :Part Detail

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General Information

Part Number	SCK60DN512VMD10
Description	Kinetis K 32-bit MCU, ARM Cortex-M4 core, 512KB Flash, 100MHz, Ethernet, MAPBGA 144
Product Line	GCVNP2R1
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 144
Package Description and Mechanical Drawing	MAPBGA 144 13*13*1.7 P1
Device Weight(g)	0.44100
Package Length (nominal)(mm)	13.000
Package Width (nominal)(mm)	13.000
Package Thickness (nominal)(mm)	1.700
Maximum Height Above Board(mm)	1.700
Tape & Reel	No

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)	Download RoHS CoA Report
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)	160
MPQ Container	TRAY
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	800
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US Currency)	-

Order

Operating Characteristics

Sample Exception Availability	N
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