S912ZVC12F0MKH :Part Detail

General Information | Package Information | Environmental and Compliance Information | Manufacturing Information | Ordering Information | Operating Characteristics

General Information

Part Number	S912ZVC12F0MKH
Description	MagniV 16-bit MCU, S12Z core, 128KB Flash, 32MHz, -40/+125degC, Automotive Qualified, QFP 64
Product Line	G9EZVCA
PTI	JCHL
Material Type	Tested Packaged Device
Life Cycle Description (code) (/webapp/sps/site/eialink.jsp)	PRODUCT RAPID GROWTH
Status	Active
SafeAssure Functional Safety (http://www.nxp.com/about/about-nxp/technology-leadership/safeassure-functional-safety-program:SAFETYPRGRM)	ISO 26262
Application/Qualification Tier (/webapp/sps/site/aqtlink.jsp?type=pop_up)	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	QFP-EP 64
Package Description and Mechanical Drawing	LQFP-EP 64 10*10*1.4P0.5
Device Weight(g)	0.36360
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	10.000
Package Width (nominal)(mm)	10.000
Package Thickness (nominal)(mm)	1.400
Tape & Reel	No

Environmental and Compliance Information

Pb-Free (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)	
RoHS Compliant (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=ROHS_INFO&type=pop_up)	
Halogen Free (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=HALOGEN_FREE_INFO)	Yes
Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=ROHS_MCD&type=pop_up)	Download MCD Report (/mcds/S912ZVC12F0MKH.pdf) Download MCD Report (/mcds/S912ZVC12F0MKH.xls)
RoHS Certificate of Analysis (CoA)	Download RoHS CoAReport (http://www.nxp.com/webapp/search.partspiecedetail.framework?PART_NUMBER=S912ZVC12F0MKH)
2nd Level Interconnect (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=PLATING_INDICATOR_INFO)	**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	NXP REACH Statement (/files/corporate/doc/support_info/NXP-REACH-STATEMENT.pdf)
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

Manufacturing Information

Micron Size(µm)	.18

Ordering Information

Minimum Package Quantity (MPQ)	800
MPQ Container	BRICK
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1600
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (US) Disclaimer (/webapp/sps/site/harmTariffDisclaim.jsp)	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US$) (/webapp/sps/site/bplink.jsp) Change Currency	-
Order	

Operating Characteristics

Sample Exception Availability	N

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