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SPC5746BSK1MKU2R :Part Detail

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

General Information

Part Number	SPC5746BSK1MKU2R
Description	32 Bit, SINGLE CORE, 3MFLASH, 384 RAM, FLEXRAY, Automotive Qualified, -40C > 125C
Product Line	G9F5746C
PTI	JBBP
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	LQFP 176
Package Description and Mechanical Drawing	LQFPEP 176 24SQ EP6.9SQ
Device Weight(g)	1.86850
Package Length (nominal)(mm)	24.000
Package Width (nominal)(mm)	24.000
Package Thickness (nominal)(mm)	1.400
Tape & Reel	Yes

Environmental and Compliance Information

Pb-Free (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)	
RoHS Compliant (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=ROHS_INFO&type=pop_up)	
Halogen Free (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=HALOGEN_FREE_INFO)	Yes
Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=ROHS_MCD&type=pop_up)	Download MCD Report  (/mcds/SPC5746BSK1MKU2R.pdf) Download MCD Report  (/mcds/SPC5746BSK1MKU2R.xls)
RoHS Certificate of Analysis (CoA) (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=ROHS_COA&type=pop_up)	Contact Us (https://nxpcommunityforce.com/community/communityContactSupport)
2nd Level Interconnect (http://www.nxp.com/webapp/sps/utls/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)	.05
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Ordering Information

Minimum Package Quantity (MPQ)	500
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	500
POQ Container	BOX
Export Control Classification Number (US)	5A002A
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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