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SPC5746CK1MMJ6R :Part Detail

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

General Information

Part Number	SPC5746CK1MMJ6R
Description	NXP 32-bit MCU, Dual Core, 3MB Flash, 384K RAM, 160MHz, -40/+125degC, Automotive Qualified, 256 BGA
Product Line	G9VA746C
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/aqmlink.jsp?type=pop_up)	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	MAPBGA256
Package Description and Mechanical Drawing	MAPBGA256 17*17*1.7P1.0
Device Weight(g)	1.07770
Package Length (nominal)(mm)	17.000
Package Width (nominal)(mm)	17.000
Package Thickness (nominal)(mm)	1.700
Maximum Height Above Board(mm)	1.700
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/SPC5746CK1MMJ6R.pdf) Download MCD Report  (/mcds/SPC5746CK1MMJ6R.xls)
RoHS Certificate of Analysis (CoA) (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=ROHS_COA&type=pop_up)	Contact Us (https://nxpcommunity.force.com/community/communityContactSupport)
2nd Level Interconnect (http://www.nxp.com/webapp/sps/utls/showCollateral.jsp?code=PLATING_INDICATOR_INFO)	e2
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)	1000
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1000
POQ Container	BOX
Leadtime (weeks)	20
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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