

Search...

SPC5605BK0MLU6R :Part Detail

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

General Information

Part Number	SPC5605BK0MLU6R
Description	"NXP 32-bit MCU, Power Arch core, 768KB Flash, 64MHz, -40/+125degC, Automotive Grade, QFP 176"
Product Line	G9F566BB
PTI	JBDC
Material Type	Tested Packaged Device
Life Cycle Description (code) (/webapp/sps/site/eialink.jsp)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier (/webapp/sps/site/aqtlink.jsp?type=pop_up)	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	QFP 176
Package Description and Mechanical Drawing	LQFP 176 24*24*1.4P0.5
Device Weight(g)	1.86850
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	24.000
Package Width (nominal)(mm)	24.000
Package Thickness (nominal)(mm)	1.600
Tape & Reel	Yes

Environmental and Compliance Information

Pb-Free (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)	
RoHS Compliant (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=ROHS_INFO&type=pop_up)	
Halogen Free (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=HALOGEN_FREE_INFO)	Yes
Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=ROHS_MCD&type=pop_up)	Download MCD Report  (/mcds/SPC5605BK0MLU6R.pdf) Download MCD Report  (/mcds/SPC5605BK0MLU6R.xls)
RoHS Certificate of Analysis (CoA)	Download RoHS CoAReport (http://www.nxp.com/webapp/search.partspiecedetail.framework?PART_NUMBER=SPC5605BK0MLU6R)
2nd Level Interconnect (http://www.nxp.com/webapp/sps/utis/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)	.09
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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
Leadtime (weeks)	16
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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