SPC5602CACLL4 :Part Detail

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

General Information

Part Number	SPC5602CACLL4
Description	"NXP 32-bit MCU, Power Arch core, 256KB Flash, 48MHz, -40/+85degC, Automotive Grade, QFP 144"
Product Line	G9F564BB
PTI	JBDC
Material Type	Tested Packaged Device
Life Cycle Description (code) (/webapp/sps/site/eialink.jsp)	PRODUCT STABLE GROWTH/MATURITY
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	LQFP 100
Package Description and Mechanical Drawing	LQFP 100 14SQ1.4P0.5 C90
Device Weight(g)	0.68520
Package Length (nominal)(mm)	14.000
Package Width (nominal)(mm)	14.000
Package Thickness (nominal)(mm)	1.700
Maximum Height Above Board(mm)	1.700
Tape & Reel	No

Environmental and Compliance Information

Pb-Free (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)	Pb
RoHS Compliant (http://www.nxp.com/webapp/sps/utils/showCollateral.jsp?code=ROHS_INFO&type=pop_up)	RoHS
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/SPC5602CACLL4.pdf) Download MCD Report (/mcds/SPC5602CACLL4.xls)
RoHS Certificate of Analysis (CoA) (http://www.nxp.com/webapp/sps/utils/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/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)	.09

Ordering Information

Minimum Package Quantity (MPQ)	90
MPQ Container	TRAY
Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	450
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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