

SP5744PFK1AMLQ9R :Part Detail

[General Information](#) | [Package Information](#) | [Environmental and Compliance Information](#) | [Manufacturing Information](#) | [Ordering Information](#) | [Operating Characteristics](#)

General Information

Part Number	SP5744PFK1AMLQ9R
Description	32-bit MCU, Dual core Power Arch, 2.5MB Flash, 384K RAM, Flexray, 200MHz, -40/+125degC, LQFP 144
Product Line	G9F5744P
PTI	JBSS
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
SafeAssure Functional Safety	ISO 26262
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	LQFP 144
Package Description and Mechanical Drawing	LQFP 144 20SQ1.4P0.5 C90
Device Weight(g)	1.31910
Package Length (nominal)(mm)	20.000
Package Width (nominal)(mm)	20.000
Package Thickness (nominal)(mm)	1.500
Maximum Height Above Board(mm)	1.600
Tape & Reel	Yes

Environmental and Compliance Information

Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report  Download MCD Report 
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e3

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
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)	3A991A2
Harmonized Tariff (US) Disclaimer	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	-
Order	

Operating Characteristics

Sample Exception Availability	N
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