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# SP5744PFK1AMLQ9R :Part Detail

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## 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 | (Pb) |
| RoHS Compliant | ✓RoHS |
| Halogen Free | Yes |
| Material Composition Declaration (MCD) | Download MCD Report 📄    Download MCD Report 📄 |
| RoHS Certificate of Analysis (CoA) | Contact Us |
| 2nd Level Interconnect | **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 |
| UL94 (plastics flammability test) | V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed |

## Manufacturing Information

| | |
|---|---|
| Micron Size(µm) | .05 |

## 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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