

S912ZVCA19F0MLFR :Part Detail

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|---------------------------|-------------------------|--|---------------------------|----------------------|
| General Information | Package Information | Environmental and Compliance Information | Manufacturing Information | Ordering Information |
| Operating Characteristics | Reliability Data Lookup | | | |





General Information

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| Part Number | S912ZVCA19F0MLFR |
| Description | MagniV 16-bit MCU, S12Z core, 192KB Flash, 32MHz, -40/+125degC, Automotive Qualified, QFP 48 |
| Product Line | G9FZVCA |
| PTI | JCHL |
| 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

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|--|---------------------|
| Package Type and Termination Count | QFP 48 |
| Package Description and Mechanical Drawing | LQFP 48 7*7*1.4P0.5 |
| Device Weight(g) | 0.17825 |
| Package Material | Plastic |
| Mounting Style | Surface Mount |
| Package Length (nominal)(mm) | 7.000 |
| Package Width (nominal)(mm) | 7.000 |
| Package Thickness (nominal)(mm) | 1.400 |
| Maximum Height Above Board(mm) | 1.600 |
| Tape & Reel | Yes |

Environmental and Compliance Information

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|--|--|
| Pb-Free (http://www.nxp.com/webapp/sps/utills/showCollateral.jsp?code=PBFREE_INFO&type=pop_up) |  |
| RoHS Compliant (http://www.nxp.com/webapp/sps/utills/showCollateral.jsp?code=ROHS_INFO&type=pop_up) |  |
| Halogen Free (http://www.nxp.com/webapp/sps/utills/showCollateral.jsp?code=HALOGEN_FREE_INFO) | Yes |
| Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utills/showCollateral.jsp?code=ROHS_MCD&type=pop_up) | Download MCD Report  (/mcds/S912ZVCA19F0MLFR.pdf) Download MCD Report  (/mcds/S912ZVCA19F0MLFR.xls) |
| RoHS Certificate of Analysis (CoA) | Download RoHS CoA Report (http://www.nxp.com/webapp/search.partsourcedetail.framework?PART_NUMBER=S912ZVCA19F0MLFR) |

| | |
|--|---|
| 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

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|-----------------|-----|
| Micron Size(μm) | .18 |
|-----------------|-----|

Ordering Information

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|---|--------------|
| Minimum Package Quantity (MPQ) | 2000 |
| MPQ Container | REEL |
| Exempt from Minimum Delivery Value | Yes |
| Preferred Order Quantity (POQ) | 2000 |
| POQ Container | BOX |
| 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

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|-------------------------------|---|
| Sample Exception Availability | N |
|-------------------------------|---|

Reliability Data Lookup

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