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S912ZVC19F0MKHR :Part Detail

|                           |                     |                                          |                           |                      |
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General Information

|                                                                                                                                          |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                              | S912ZVC19F0MKHR                                                                              |
| Description                                                                                                                              | MagniV 16-bit MCU, S12Z core, 192KB Flash, 32MHz, -40/+125degC, Automotive Qualified, QFP 64 |
| Product Line                                                                                                                             | G9EZVCA                                                                                      |
| 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

|                                            |                          |
|--------------------------------------------|--------------------------|
| Package Type and Termination Count         | QFP-EP 64                |
| Package Description and Mechanical Drawing | LQFP-EP 64 10*10*1.4P0.5 |
| Device Weight(g)                           | 0.36360                  |
| Package Material                           | Plastic                  |
| Mounting Style                             | Surface Mount            |
| Package Length (nominal)(mm)               | 10.000                   |
| Package Width (nominal)(mm)                | 10.000                   |
| Package Thickness (nominal)(mm)            | 1.400                    |
| 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/S912ZVC19F0MKHR.pdf)    Download MCD Report  (/mcds/S912ZVC19F0MKHR.xls) |
| RoHS Certificate of Analysis (CoA)                                                                                       | Download RoHS CoAReport (http://www.nxp.com/webapp/search.partspiecedetail.framework?PART_NUMBER=S912ZVC19F0MKHR)                                                                                                                                                              |
| 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) | .18 |
|-----------------|-----|

Ordering Information

|                                                                                      |              |
|--------------------------------------------------------------------------------------|--------------|
| Minimum Package Quantity (MPQ)                                                       | 1500         |
| MPQ Container                                                                        | REEL         |
| Exempt from Minimum Delivery Value                                                   | Yes          |
| Preferred Order Quantity (POQ)                                                       | 1500         |
| 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)<br>Change Currency | -            |
| Order                                                                                |              |

Operating Characteristics

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

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