

MK22FX512VLQ12R :Part Detail

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General Information

| | |
|--|--|
| Part Number | MK22FX512VLQ12R |
| Description | Kinetis K22: 120MHz Cortex-M4F Performance MCU, 512K Flash+128K FlexMem, 128K RAM, USB, 144LQFP, T&R |
| Product Line | G9FAK201 |
| PTI | MBNC |
| Material Type | Tested Packaged Device |
| Life Cycle Description (code) | NOT RECOMMENDED(DECLINING) |
| Status | Not Recommended for New Design |
| Application/Qualification Tier | 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 |
| 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) | .09 |
|-----------------|-----|

Ordering Information

| | |
|--|---------------------------------|
| Minimum Package Quantity (MPQ) | 500 |
| MPQ Container | REEL |
| Exempt from Minimum Delivery Value | No |
| 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 | Similar Samples |

Operating Characteristics

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

[Reliability Data Lookup](#)

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