

# MK22FN128VLH10R :Part Detail

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## General Information

|                                                |                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                    | MK22FN128VLH10R                                                                                      |
| Description                                    | Kinetis K22: 100MHz Cortex-M4F Performance MCU, 128KB Flash, 24KB SRAM, Full-Speed USB, 64-LQFP, T&R |
| Product Line                                   | G9FNK8R2                                                                                             |
| PTI                                            | MBNC                                                                                                 |
| Material Type                                  | Tested Packaged Device                                                                               |
| <a href="#">Life Cycle Description (code)</a>  | PRODUCT RAPID GROWTH                                                                                 |
| Status                                         | Active                                                                                               |
| <a href="#">Application/Qualification Tier</a> | 10-YEARS APPLICATION LIFE                                                                            |

## Package Information

|                                            |                       |
|--------------------------------------------|-----------------------|
| Package Type and Termination Count         | QFP 64                |
| Package Description and Mechanical Drawing | LQFP 64 10*10*1.4P0.5 |
| Device Weight(g)                           | 0.34655               |
| 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                 |
| Maximum Height Above Board(mm)             | 1.600                 |
| Tape & Reel                                | Yes                   |

## Environmental and Compliance Information

|                                                        |                                                                         |
|--------------------------------------------------------|-------------------------------------------------------------------------|
| <a href="#">Pb-Free</a>                                |                                                                         |
| <a href="#">RoHS Compliant</a>                         |                                                                         |
| <a href="#">Halogen Free</a>                           | Yes                                                                     |
| <a href="#">Material Composition Declaration (MCD)</a> | <a href="#">Download MCD Report</a> <a href="#">Download MCD Report</a> |
| <a href="#">RoHS Certificate of Analysis (CoA)</a>     | <a href="#">Download RoHS CoA Report</a>                                |

|                                         |                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------|
| 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                              | <a href="#">NXP REACH Statement</a>                                        |
| 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)                                                         | 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) <a href="#">Disclaimer</a>                                      | 8542.31.0000 |
| CCATS Document                                                                         | -            |
| ENC Status                                                                             | -            |
| Other Trade Compliance Documents                                                       | -            |
| <a href="#">Budgetary Price excluding tax(US\$)</a><br><a href="#">Change Currency</a> | -            |

Order

Similar Samples

## Operating Characteristics

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

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