

Search...

S912DG12AH4CPVE :Part Detail

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

General Information

|                                                                           |                                   |
|---------------------------------------------------------------------------|-----------------------------------|
| Part Number                                                               | S912DG12AH4CPVE                   |
| Description                                                               | 128K SGF                          |
| Product Line                                                              | GGFLDT28                          |
| PTI                                                                       | MCDD                              |
| Material Type                                                             | Tested Packaged Device            |
| Life Cycle Description (code) (/webapp/sps/site/eialink.jsp)              | NOT RECOMMENDED(DECLINING)        |
| Status                                                                    | Not Recommended for New Design    |
| Application/Qualification Tier (/webapp/sps/site/aqtlink.jsp?type=pop_up) | AUTO; >=10 YEARS APPLICATION LIFE |

Package Information

|                                            |                         |
|--------------------------------------------|-------------------------|
| Package Type and Termination Count         | LQFP 112                |
| Package Description and Mechanical Drawing | LQFP 112 20*20*1.4P0.65 |
| Device Weight(g)                           | 1.27830                 |
| Package Material                           | Plastic                 |
| Mounting Style                             | Surface Mount           |
| Package Length (nominal)(mm)               | 20.000                  |
| Package Width (nominal)(mm)                | 20.000                  |
| Package Thickness (nominal)(mm)            | 1.000                   |
| Maximum Height Above Board(mm)             | 1.600                   |
| Tape & Reel                                | No                      |

Environmental and Compliance Information

|                                                                                                                           |                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pb-Free (http://www.nxp.com/webapp/sps/utlis/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)                             |                                                                                                                                                                                           |
| RoHS Compliant (http://www.nxp.com/webapp/sps/utlis/showCollateral.jsp?code=ROHS_INFO&type=pop_up)                        |                                                                                                                                                                                           |
| Halogen Free (http://www.nxp.com/webapp/sps/utlis/showCollateral.jsp?code=HALOGEN_FREE_INFO)                              | Yes                                                                                                                                                                                                                                                                            |
| Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utlis/showCollateral.jsp?code=ROHS_MCD&type=pop_up) | Download MCD Report  (/mcds/S912DG12AH4CPVE.pdf)    Download MCD Report  (/mcds/S912DG12AH4CPVE.xls) |
| RoHS Certificate of Analysis (CoA)                                                                                        | Download RoHS CoAReport (http://www.nxp.com/webapp/search.partspiecedetail.framework?PART_NUMBER=S912DG12AH4CPVE)                                                                                                                                                              |
| 2nd Level Interconnect (http://www.nxp.com/webapp/sps/utlis/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) | .5 |
|-----------------|----|

Ordering Information

|                                                                                      |              |
|--------------------------------------------------------------------------------------|--------------|
| Minimum Package Quantity (MPQ)                                                       | 300          |
| MPQ Container                                                                        | BRICK        |
| Exempt from Minimum Delivery Value                                                   | No           |
| Preferred Order Quantity (POQ)                                                       | 600          |
| POQ Container                                                                        | BOX          |
| Leadtime (weeks)                                                                     | 12           |
| Export Control Classification Number (US)                                            | EAR99        |
| 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 |
|-------------------------------|---|

Reliability Data Lookup

ABOUT NXP

Investors (<http://investors.nxp.com/phoenix.zhtml?c=209114&p=irol-irhome>)  
Partners (<http://www.nxp.com/webapp/connect/memberDirSearch.sp>)  
Careers (<http://www.nxp.com/about/careers-at-nxp:CAREERS>)

FOLLOW US

(<https://twitter.com/NXP>) (<http://www.linkedin.com/company/nxp-semiconductors>) (<https://www.facebook.com/NXPsemi>)  
  
(<https://contact.nxp.com/Subscription-Center>)

RESOURCES

Mobile Apps (<http://www.nxp.com/about/nxp-mobile-applications:MOBILE>)  
Press, News, Blogs (<http://media.nxp.com>)  
Contact Us (<http://www.nxp.com/pages/contact-us:CONTACTUS>)

Getting to the Root of Trust

Read More (<http://blog.nxp.com/security/getting-to-the-root-of-trust>)

Privacy (<http://www.nxp.com/about/privacy:PRIVACYPRACTICES>) | Terms of Use (<http://www.nxp.com/about/terms-of-use:TERMSOFUSE>) | Terms of Sale (<http://www.nxp.com/about/our-standard-terms-and-conditions-of-sale-counter-offer:TERMSCONDITIONSSALE>) | Feedback (<mailto:direct@nxp.com>)

©2006-2017 NXP Semiconductors. All rights reserved.