

# S9S12ZVL32F0MLC

(Active)

MagniV 16-bit MCU, S12Z core, 32KB Flash, 25MHz, -40/+125degC, Automotive Qualified, QFP 32

[Product Summary](#)[Software & Tools](#)[Documentation](#)



**Package:**

[LQFP](#)

plastic, low profile quad; flat leaded package; 32 terminals; 0.80 mm pitch; 7 mm x 7 mm x 1.4 mm body

Buy Options

Operating Characteristics

Environmental Information

Quality Information

Shipping Information

## Buy Options

**S9S12ZVL32F0MLC**Active

TRAY-Tray, Bakeable, Multiple in Drypack

935316209557

Min. Package Quantity: 250

Lead Time: 99 weeks

Sample

Buy Direct

Distributor

1 @ US

\$1.53

Availability?

Availability?

**S9S12ZVL32F0MLCR**Active

REEL-Reel 13" Q2/T3 in Drypack

935316209528

Min. Package Quantity: 2000

Lead Time: 99 weeks

Distributor

1 @ US

\$1.53

## Operating Characteristics

| Parameter                       | Value | Parameter | Value                 |
|---------------------------------|-------|-----------|-----------------------|
| Flash (kB)                      | 32    | SCI       | 2                     |
| RAM (kB)                        | 1     | SPI       | 1                     |
| EEPROM (kB)                     | 0.128 | GPIO      | 19                    |
| Core Type                       | S12Z  | 5v Reg    | 1                     |
| Operating Frequency [Max (MHz)] | 32    | HVI       | 1-ch. HVI, Vsup-Sense |
| I <sup>2</sup> C                | 1     |           |                       |

## Environmental Information

| Material Declaration                            | PbFree | EU RoHS                                              | Halogen Free | RHF Indicator | 2nd Level Interconnect | REACH SVHC                 | Weight (mg) |
|-------------------------------------------------|--------|------------------------------------------------------|--------------|---------------|------------------------|----------------------------|-------------|
| <a href="#">S9S12ZVL32F0MLC</a> (935316209557)  | Yes    | Yes<br><a href="#">Certificate Of Analysis (CoA)</a> | Yes          | D             | e3                     | <a href="#">REACH SVHC</a> | 188.6       |
| <a href="#">S9S12ZVL32F0MLCR</a> (935316209528) | Yes    | Yes<br><a href="#">Certificate Of Analysis (CoA)</a> | Yes          | D             | e3                     | <a href="#">REACH SVHC</a> | 188.6       |

## Quality Information

| Material Declaration            | Safe Assure Functional Safety | Moisture Sensitivity Level (MSL) | Peak Package Body Temperature (PPT) (C°) | Maximum Time at Peak Temperatures (s) |
|---------------------------------|-------------------------------|----------------------------------|------------------------------------------|---------------------------------------|
|                                 |                               | Lead Free Soldering              | Lead Free Soldering                      | Lead Free Soldering                   |
| <a href="#">S9S12ZVL32F0MLC</a> |                               |                                  |                                          |                                       |

| Material Declaration                               | Safe Assure Functional Safety | Moisture Sensitivity Level (MSL) | Peak Package Body Temperature (PPT) (C°) | Maximum Time at Peak Temperatures (s) |
|----------------------------------------------------|-------------------------------|----------------------------------|------------------------------------------|---------------------------------------|
|                                                    |                               | Lead Free Soldering              | Lead Free Soldering                      | Lead Free Soldering                   |
| <a href="#">S9S12ZVL32F0MLC</a><br>(935316209557)  | ISO 26262                     | 3                                | 260                                      | 40                                    |
| <a href="#">S9S12ZVL32F0MLCR</a><br>(935316209528) | ISO 26262                     | 3                                | 260                                      | 40                                    |

## Shipping Information

| Part Number                                        | Harmonized Tarrif (US) <a href="#">Disclaimer</a> | Export Control Classification Number (US) |
|----------------------------------------------------|---------------------------------------------------|-------------------------------------------|
| <a href="#">S9S12ZVL32F0MLC</a><br>(935316209557)  | 854231                                            | 3A991A2                                   |
| <a href="#">S9S12ZVL32F0MLCR</a><br>(935316209528) | 854231                                            | 3A991A2                                   |

### ABOUT NXP

Investors

Partners

Careers

### RESOURCES

Mobile Apps

Press, News, Blogs

Contact Us

### FOLLOW US



### News 20 Jul 2017 < >

NXP Announces Production of Security Chips in its US Manufacturing Facilities

[Read More](#)