



# S9S12DG12F1VPVE

**Not Recommended for New Designs**  
While existing customers can still order the part, NXP does not recommend the part be designed into new end products. No discontinuance decision has been made, and all minimum longevity commitments will be honored. When a decision is made, it will be communicate through NXP's product discontinuance process (e.g., with a discontinuance notification to existing customers).

### Features

16-bit MCU, S12 core, 128KB Flash, 25MHz, -40/+105degC, Automotive Qualified, QFP 112.

- [Data Sheet](#)
- [Product Summary](#)
- [Tools and Software](#)
- [Documentation](#)

### Package

**LQFP112**  
LQFP112, plastic, low profile quad flat package; 112 terminals; 0.65 mm pitch; 20 mm x 20 mm x 1.4 mm body.



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## Buy Options

### S9S12DG12F1VPVE

12NC: 935313792557

Not Recommended for New Designs

10K @ US

\$13.44

DISTRIBUTOR

Min. Package Quantity: 60

Min. Order Quantity: 300

Lead Time: 52

> Available Distributors: S9S12DG12F1VPVE

### S9S12DG12F1VPVER

12NC: 935313792528

Not Recommended for New Designs

10K @ US

\$13.44

DISTRIBUTOR

Min. Package Quantity: 500

Min. Order Quantity: 500

Lead Time: 52

> Available Distributors: S9S12DG12F1VPVER

## Operating Features

Parameter	Value
Security Status	COMPANY PUBLIC
Description	16-bit MCU, S12 core, 128KB Flash, 25MHz, -40/+105degC, Automotive Qualified, QFP 112

Parameter	Value
Number of pins	112
Package Style	LQFP

## Environmental

Part/12NC	Pb-Free	EU RoHS	Halogen Free	RHF Indicator	2nd Level Interconnect	REACH SVHC	Weight (mg)
<a href="#">S9S12DG12F1VPVE</a> (935313792557)	Yes	Yes <a href="#">Certificate Of Analysis (CoA)</a>	Yes	D	e3	<a href="#">REACH SVHC</a>	1278.3
<a href="#">S9S12DG12F1VPVER</a> (935313792528)	Yes	Yes <a href="#">Certificate Of Analysis (CoA)</a>	Yes	D	e3	<a href="#">REACH SVHC</a>	1278.3

## Quality

Part/12NC	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="#">S9S12DG12F1VPVE</a> (935313792557)	No	3	260	40
<a href="#">S9S12DG12F1VPVER</a> (935313792528)	No	3	260	40

## Shipping

Part/12NC	Harmonized Tariff (US) <a href="#">Disclaimer</a>	Export Control Classification Number (US)
<a href="#">S9S12DG12F1VPVE</a> (935313792557)	854231	3A991A2
<a href="#">S9S12DG12F1VPVER</a> (935313792528)	854231	3A991A2

## Product Change Notice

Part/12NC	Issue Date	Effective Date	PCN	Title
S9S12DG12F1VPVE (935313792557)	2020-12-15	2020-12-16	<a href="#">202011011I</a>	NXP Will Add a Sealed Date to the Product Label
S9S12DG12F1VPVER (935313792528)				

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