PRODUCTS   APPLICATIONS   DESIGN   SUPPORT   COMPANY

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S32G234MABK0VUCT

Active

Fully qualified to meet NXP quality and reliability requirements. Available for production quantity orders.

Features

S32G234M Arm Cortex-M7, HSE, LLCE, PFE, PCIe, 20x CAN FD, 4x GbE - Vehicle Network Processor.

Data Sheet   Product Summary

Tools and Software   Documentation

Package

FBGA525

FBGA525, plastic, fine-pitch ball grid array package; 525 terminals; 0.8 mm pitch; 19 mm x 19 mm x 1.97 mm body.

Buy Options   Operating Features   Environmental   Quality   Shipping   Product Change Notice

Buy Options

S32G234MABK0VUCR
12NC: 935419846518
Active

10K @ US
$33.28

BUY FROM DISTRIBUTOR

Packing: REEL-Reel 13" Q1/T1 in Drypack
Min. Package Quantity: 500
Min. Order Quantity: 500
Lead Time: 26

❯ Available Distributors: S32G234MABK0VUCR

S32G234MABK0VUCT
12NC: 935419846557
Active

10K @ US
$33.28

BUY FROM DISTRIBUTOR

Packing: TRAY-Tray, Bakeable, Multiple in Drypack
Min. Package Quantity: 84
Min. Order Quantity: 420
Lead Time: 26

❯ Available Distributors: S32G234MABK0VUCT

Operating Features

Parameter	Value	Parameter	Value
Core Type	3 x Arm Cortex-M7	PCIe	1 x PCIe 2.0
Lockstep	Dual-Core	Security Modules	HSE-H
Operating Frequency [Max] (MHz)	400	Hardware Isolation	XRDC
RAM (kB)	8000	Timer	7 x WDT x 32,8 x STM x 32
Standby RAM	32768	PWM [Number, bits]	6 x 32
External Memory Supported	QSPI NOR,SD3.0/eMMC5.1 NAND	ADC [Number, bits]	12 x 12
Serial Communication	1 x PCIe 2.0,10 x SPI,2 x FlexRay,3 x UART,5 x I²C	JTAG Debug	Y
LIN	4	Aurora Trace	Y
Flexray	2	Supply Voltage [Min to Max] (V)	0.8 to 3.45
CAN	16	Ambient Operating Temperature (Min to Max) (℃)	-40 to 105
CAN FD	4	Junction Temperature (Min to Max) (℃)	-40 to 125
Ethernet MACs	4	ASIL Certification	up to ASIL-D
Ethernet Type	MII,RGMII,RMII,SGMII	AEC-Q100 Temperature Range	grade 2

Environmental

Part/12NC	Pb-Free	EU RoHS	Halogen Free	RHF Indicator	REACH SVHC	Weight (mg)
S32G234MABK0VUCR (935419846518)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	REACH SVHC	2495.77
S32G234MABK0VUCT (935419846557)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	REACH SVHC	2495.77

Quality

Part/12NC	Safe Assure Functional Safety	Moisture Sensitivity Level (MSL) Lead Free Soldering	Peak Package Body Temperature (PPT) (C°) Lead Free Soldering	Maximum Time at Peak Temperatures (s) Lead Free Soldering
S32G234MABK0VUCR (935419846518)	ISO 26262	3	260	40
S32G234MABK0VUCT (935419846557)	ISO 26262	3	260	40

Shipping

Part/12NC	Harmonized Tariff (US) Disclaimer	Export Control Classification Number (US)
S32G234MABK0VUCR (935419846518)	854231	5A992C
S32G234MABK0VUCT (935419846557)	854231	5A992C

Product Change Notice

Part/12NC	Issue Date	Effective Date	PCN	Title
S32G234MABK0VUCR (935419846518)	2021-08-13	2021-08-14	202108010I	S32G2 Mask Set 0P77B Errata Update to Revision 2.1
S32G234MABK0VUCT (935419846557)				
S32G234MABK0VUCR (935419846518)	2021-05-06	2021-05-07	202104059I	S32G2x Data Sheet Update from Rev2.1 to Rev3 and Reference Manual Update from Rev2 to Rev3
S32G234MABK0VUCT (935419846557)				

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