

LX2162RN82029B

Active

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

Features

QorIQ, 16xA72 64-bit ARM Arch, 2000MHz, Indoor spec, SEC disabled, CAN, Rev2, 23x23mm pkg, Prod.

[Data Sheet](#)

[Product Summary](#)

[Tools and Software](#)

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Package

FBGA1150

FBGA1150, fine pitch ball grid array package, 1150 terminals, 0.65 mm pitch, 23 mm x 23 mm x 2.07 mm body.



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Buy Options

LX2162RN82029B

935404327557

Active

TRAY-Tray, Bakeable, Multiple in Drypack

Min. Package Quantity: 60

Lead Time: 26 weeks

100 @ US

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Available Distributors: LX2162RN82029B

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Operating Characteristics

Parameter	Value
Silicon Rev	Rev 1
Family	LX2162
Development Tools	LX2160A-RDB-B
Qualification tier	Industrial
Core Type	Arm Cortex-A72
Core: Number of cores (SPEC)	16
Operating Frequency [Max] (MHz)	2000
Typical Power	16.6
SRAM (kB)	10000
Boot ROM (KByte)	64
External Memory Supported	FlexSPI,L2 CACHE,SDRAM DDR4 RDIMM,SDRAM DDR4 UDIMM

Parameter	Value
DRAM frequency (max)(MHz)	2900
SPI	3
UART	4
I ² C	8
USB Controllers	1
PCIe	12
SATA	4 x SATA 3.0
Encryption	N

Parameter	Value
Ambient Operating Temperature (Min to Max) (°C)	5 to 105
FlexCan	2

Environmental Information

Material Declaration	Pb-Free	EU RoHS	Halogen Free	RHF Indicator	REACH SVHC	Weight (mg)
LX2162RN82029B (935404327557)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	REACH SVHC	3890.0

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
LX2162RN82029B (935404327557)	No	3	250	30

Shipping Information

Part Number	Harmonized Tariff (US) Disclaimer	Export Control Classification Number (US)
LX2162RN82029B (935404327557)	854231	3A991A1

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