

# MIMX8ML4CVNKZAB

## Active

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

## Features

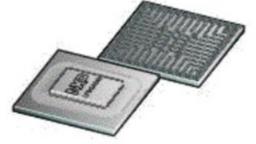
i.MX 8M Plus – Arm® Cortex®-A53, Machine Learning, Vision, Multimedia and Industrial IoT.

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

## Package

### LFBGA548

LFBGA548, low profile, fine-pitch, ball grid array package, 548 terminals, 0.5 mm pitch, 15 mm x 15 mm x 1.331 mm body.



[Buy Options](#) | [Operating Features](#) | [Environmental](#) | [Quality](#) | [Shipping](#)

## Buy Options

### MIMX8ML4CVNKZAB

12NC: 935416732557

Active

[BUY FROM DISTRIBUTOR](#)

Min. Package Quantity: 126

Min. Order Quantity: 126

Lead Time: 52

> Available Distributors: MIMX8ML4CVNKZAB

## Operating Features

Parameter	Value
Core Type	4 x Arm Cortex-A53
Operating Frequency [Max] (MHz)	1600
L2 Cache (Max) (KB)	512
Co Processor Type	Arm Cortex-M7
Co Processor Frequency (MAX) (MHz)	800
External Memory Supported	DDR4 SDRAM,ECC,L2 CACHE,LPDDR4 DRAM,NAND FLASH,NOR FLASH,QSPI
GPU 2D / GPU 3D	Shader,Vivante GC520L,Vivante GC7000UL
Camera Interfaces	2 x MIPI-CSI

Parameter	Value
PCIe	1 x PCIe 3.0
CAN	2
SPI	3
I <sup>2</sup> C	6
UART	4
Security	CA,SJC,SNVS,TRNG,TZ
Audio Specific Modules	ASRC,SAI/I2S,eARC
USB Controllers	2

## Environmental

Part/12NC	Pb-Free	EU RoHS	Halogen Free	RHF Indicator	REACH SVHC	Weight (mg)
<a href="#">MIMX8ML4CVNKZAB</a> (935416732557)	Yes	Yes <a href="#">Certificate Of Analysis (CoA)</a>	Yes	D	<a href="#">REACH SVHC</a>	550.0

## 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="#">MIMX8ML4CVNKZAB</a> (935416732557)	No	3	260	40

## Shipping

Part/12NC	Harmonized Tariff (US) <a href="#">Disclaimer</a>	Export Control Classification Number (US)	CCATS
<a href="#">MIMX8ML4CVNKZAB</a> (935416732557)	854231	5A992C	<a href="#">G175858</a>

**News** Jul 11, 2022 | [NXP Semiconductors Announces Conference Call to Review Second Quarter 2022 Financial R...](#) [Read More](#)