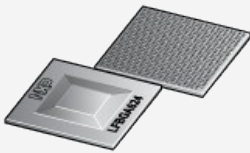


MCIMX6Q5EYM10AD (Active)

i.MX 6 series 32-bit MPU, Quad ARM Cortex-A9 core, 1GHz, FCBGA 624

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



Package :
[LFBGA624](#)
LFBGA624, plastic, low profile fine-pitch ball grid array; 624 bumps; 0.8 mm pitch; 21 mm x 21 mm x 1.45 mm body

Buy Options | Operating Characteristics | Environmental Information | Quality Information | Shipping Information

Operating Characteristics

Parameter	Value
Core: Number of cores (SPEC)	4
Core Type	Arm Cortex-A9
Operating Frequency [Max (MHz)]	1000
External Memory Supported	DDR3 SDRAM, DDR3L SDRAM, ECC, LPDDR2 DRAM, NAND FLASH, NOR FLASH, ONFI2.2
Video/Display features	HDMI 1.4, LVDS, MIPI-CSI-2, MIPI-DSI, PCP, RGB
PCIe 2.0 (# Lane)	1
L2 Cache (Max) (KB)	1024
SRAM (kB)	256
Ethernet	1 x 1 Gbps + IEEE 1588
SPI	5

Parameter	Value
I ² C	3
UART	5
CAN	2
Junction Temperature (Min) (°C)	-20
Junction Temperature (Max) (°C)	105
Camera Interfaces	MIPI-CSI-2, PCP
Audio Specific Modules	AA, ESAI, SPDIF
HW Video Encoder / Decoder	HD1080p30 Video Encode, HD1080p30 Video Transcode, HD1080p60 Video Decode
GPU 2D / GPU 3D	Vivante GC2000 (176Mtri/s), Vivante GC320 (600Mpx/s), Vivante GC355 (300Mpx/s)

Environmental Information

Material Declaration	PbFree	EU RoHS	Halogen Free	RHF Indicator	2nd Level Interconnect	REACH SVHC	Weight (mg)
MCIMX6Q5EYM10AD (935321953557)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	e1	REACH SVHC	1287.1
MCIMX6Q5EYM10ADR (935321953518)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	e1	REACH SVHC	1287.1

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

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
MCIMX6Q5EYM10AD (935321953557)	No	3	260	40
MCIMX6Q5EYM10ADR (935321953518)	No	3	260	40

Shipping Information

Part Number	Harmonized Tariff (US) Disclaimer	Export Control Classification Number (US)
MCIMX6Q5EYM10AD (935321953557)	854231	5A992
MCIMX6Q5EYM10ADR (935321953518)	854231	5A992

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