

LFE5U-12F-6BG256C



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Part Number: [LFE5U-12F-6BG256C](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA

Data sheet:  [ECP5™, ECP5-5G™ Family Datasheet](#)

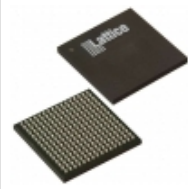
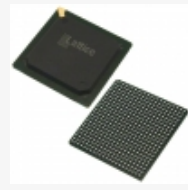
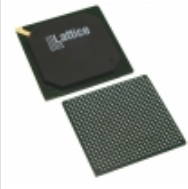
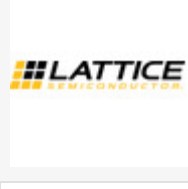
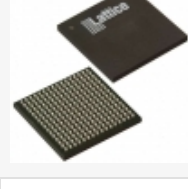
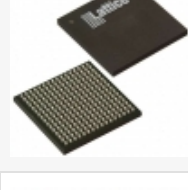
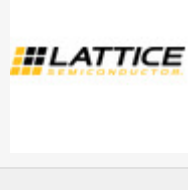
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	LFE5U-12F-6BG256C	Manufacturer	Lattice Semiconductor
Description	IC FPGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	23320 pcs	Data sheet	ECP5™, ECP5-5G™ Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply	1.045 V ~ 1.155 V
Total RAM Bits	589824	Supplier Device Package	256-CABGA (14x14)
Series	ECP5	Package / Case	256-LFBGA
Other Names	220-2202	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	12000	Number of LABs/CLBs	3000
Number of I/O	197	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	9 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant		
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RELATED PRODUCTS			
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	Part#: LFE3-95EA-9FN672I Description: IC FPGA 380 I/O 672FBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-SP-EVN Description: BOARD EVAL SER LATTICEECP3-95EA	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LFE5U-12F-7BG381I Description: 12K LUTS, 197 /O, 1.1V, -7 SPEED	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE5U-12F-6BG381I Description: 12K LUTS, 197 /O, 1.1V, -6 SPEED	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-PCIE-DKN Description: KIT DEV ECP3-95EA PCI EXPRESS	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-9FN484I Description: IC FPGA 295 I/O 484FBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-9FN672C Description: IC FPGA 380 I/O 672FBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-V-EVN Description: BOARD VIDEO LATTICEECP3-95EA	Manufacturers: Lattice Semiconductor	RFQ
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	Part#: LFE5U-12F-7BG256C Description: IC FPGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE5U-12F-7MG285C Description: 12K LUTS, 118 /O, 1.1V, -7 SPEED	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE5U-12F-6BG381C Description: 12K LUTS, 197 /O, 1.1V, -6 SPEED	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE5U-12F-7BG381C Description: 12K LUTS, 197 /O, 1.1V, -7 SPEED	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE5U-12F-7BG256I Description: IC FPGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-95EA-9FN1156I Description: IC FPGA 490 I/O 1156FBGA	Manufacturers: Lattice Semiconductor	RFQ
	Part#: LFE3-MEZZ-EVN Description: LATTICE HDMI MEZZANINE CARD	Manufacturers: Lattice Semiconductor	RFQ

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