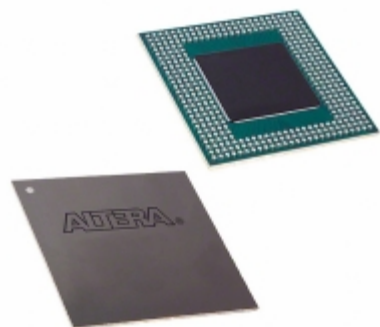


EP20K200EBC356-3





Part Number: [EP20K200EBC356-3](#)

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 271 I/O 356BGA

Data sheet:  [APEX 20K Family Datasheet](#)
 [356-BGA Pkg Info](#)
 [Virtual JTAG Megafuntion User Guide](#)

RoHs Status: Lead free / RoHS Compliant

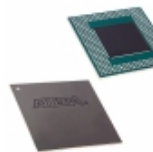
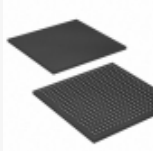
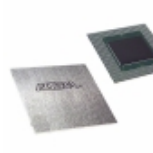
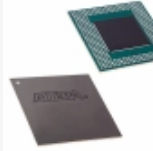
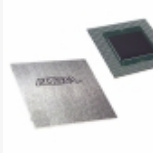
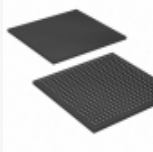
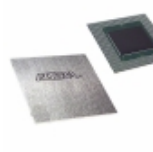
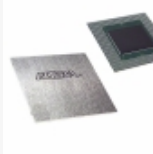
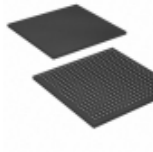
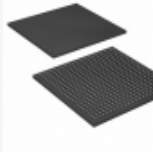
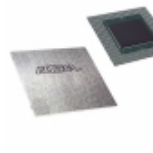
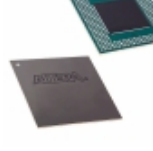
Ship From: Hong Kong

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

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EP20K200EBC356-3	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 271 I/O 356BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4147 pcs	Data sheet	APEX 20K Family Datasheet 356-BGA Pkg Info Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	1.71 V ~ 1.89 V
Total RAM Bits	106496	Supplier Device Package	356-BGA (35x35)
Series	APEX-20KE®	Package / Case	356-LBGA
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	8320
Number of LABs/CLBs	832	Number of I/O	271
Number of Gates	526000	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	EP20K200		
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	Part#: EP20K200EBC652-2 Description: IC FPGA 376 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC356-2 Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200CQ240C8ES Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC652-1X Description: IC FPGA 376 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200CQ240C9 Description: IC FPGA 168 I/O 240QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EF484C3NGZ Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC652-1 Description: IC FPGA 376 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC652-2X Description: IC FPGA 376 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EFC484-1X Description: IC FPGA 376 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP20K200EFC484-1 Description: IC FPGA 376 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP20K200EBC652-3 Description: IC FPGA 376 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200CQ240C7ES Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC356-1X Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC356-2N Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EFC23-1XGA Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC356-2X Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K200EBC356-1N Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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