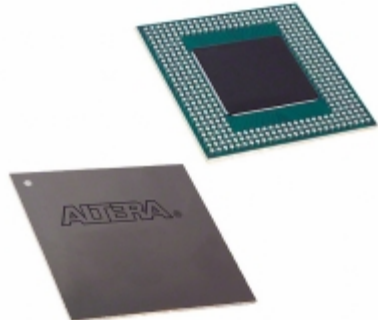


EP20K160EBC356-2





Part Number: [EP20K160EBC356-2](#)

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

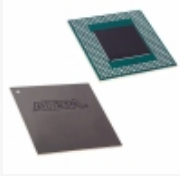
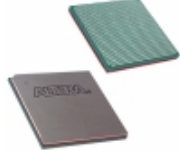
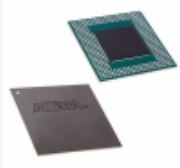
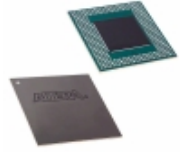
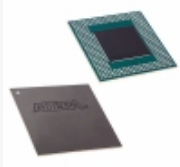
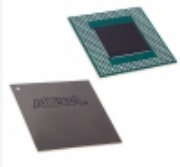
Ship From: Hong Kong

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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EP20K160EBC356-2	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 271 I/O 356BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4063 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	81920	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	6400
Number of LABs/CLBs	640	Number of I/O	271
Number of Gates	404000	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	EP20K160		
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	Part#: EP20K160EBC356-1AA Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K160EBC356-1X Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K160EBC356-3 Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K160EBC356-1N Description: IC FPGA 271 I/O 356BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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