

EP20K1500CB652C7ES



Part Number: [EP20K1500CB652C7ES](#)

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

Description: IC FPGA

Data sheet:  [Apex 20KC](#)

RoHS Status: Lead free / RoHS Compliant

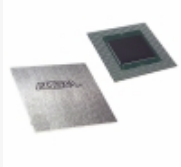
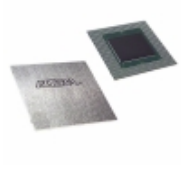
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PRODUCT PARAMETER			
Part Number	EP20K1500CB652C7ES	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5154 pcs	Data sheet	Apex 20KC
Category	Integrated Circuits (ICs)	Voltage - Supply	2.375 V ~ 2.625 V
Total RAM Bits	442368	Supplier Device Package	652-BGA (45x45)
Series	APEX-20KE®	Package / Case	652-BBGA
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	51840
Number of LABs/CLBs	5184	Number of I/O	488
Number of Gates	2392000	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
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	Part#: EP20K100TI144-3 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K100TC144-1 Description: IC FPGA 101 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K1500CB652C8ES Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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