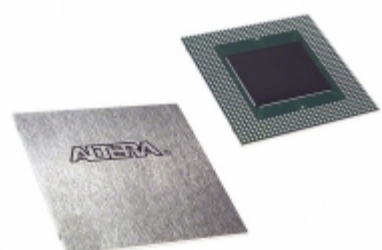


EP20K400EBC652-3



Images are for reference only.
See Product Specifications for product details.
Buy EP20K400EBC652-3 with confidence from Component-World.HK, 1 Year Warranty



Part Number: [EP20K400EBC652-3](#)

Manufacturer: [Intel® FPGAs](#)

Description: IC FPGA 488 I/O 652BGA

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

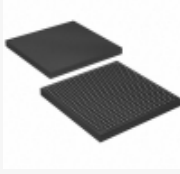
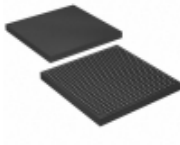
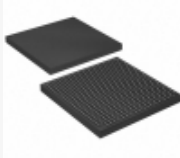
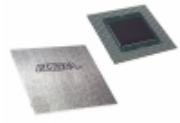
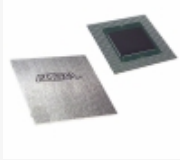
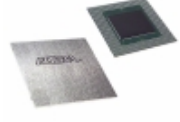
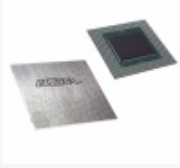
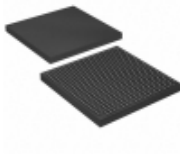
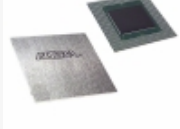
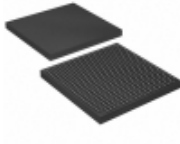
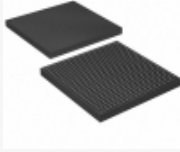
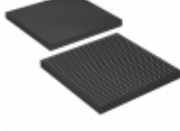
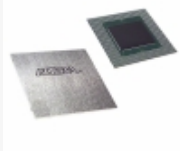
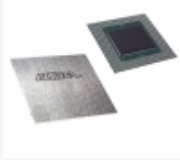
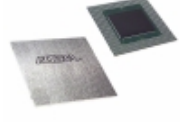
RoHs Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

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

[Request For Quotation](#)

PRODUCT PARAMETER			
Part Number	EP20K400EBC652-3	Manufacturer	Intel® FPGAs
Description	IC FPGA 488 I/O 652BGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5682 pcs	Data sheet	APEX 20K Family Datasheet 652-BGA Pkg Info Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	1.71 V ~ 1.89 V
Total RAM Bits	212992	Supplier Device Package	652-BGA (45x45)
Series	APEX-20KE®	Package / Case	652-BBGA
Other Names	544-1135	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	16640	Number of LABs/CLBs	1664
Number of I/O	488	Number of Gates	1052000
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Base Part Number	EP20K400
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	Part#: EP20K400EFC672-1N Description: IC FPGA 488 I/O 672FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EF672C1XDO Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-1N Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EF27C1XNGA Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-1XD Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-2N Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-1X Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-1 Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EFC672-1 Description: IC FPGA 488 I/O 672FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBI652-2X Description: IC FPGA 488 I/O 652BGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP20K400EFC672-1X Description: IC FPGA 488 I/O 672FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP20K400CF672C9ES Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400CF672I8 Description: IC FPGA 488 I/O 672FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-3N Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-3AA Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-2 Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EBC652-2X Description: IC FPGA 488 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400EB652C2XGZ Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ

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