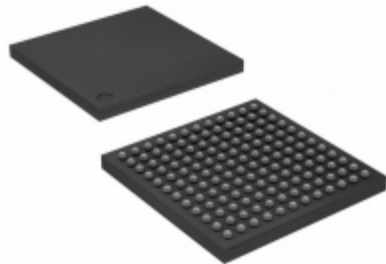


EP20K30EF1144-2XN



Images are for reference only.
See Product Specifications for product details.
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Part Number: [EP20K30EF1144-2XN](#)

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

Description: IC FPGA 93 I/O 144FBGA

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

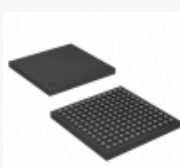
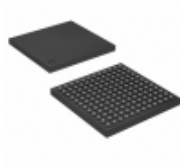
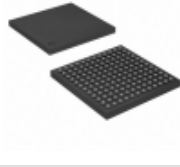
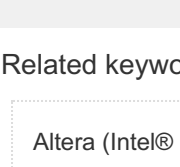
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	EP20K30EF1144-2XN	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 93 I/O 144FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4112 pcs	Data sheet	APEX 20K Family Datasheet 144-FBGA Pkg Info Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	1.71 V ~ 1.89 V
Total RAM Bits	24576	Supplier Device Package	144-FBGA (13x13)
Series	APEX-20KE®	Package / Case	144-BGA
Operating Temperature	-40°C ~ 100°C (TJ)	Number of Logic Elements/Cells	1200
Number of LABs/CLBs	120	Number of I/O	93
Number of Gates	113000	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	EP20K30		
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	Part#: EP20K30EFC256-1 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30ETC144-3 Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP20K30EQC240-2 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30ETC144-2X Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EQC240-3 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EQC240-1 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EFC144-1X Description: IC FPGA 93 I/O 144FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EFC144-1 Description: IC FPGA 93 I/O 144FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ

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