

EP20K30ETC144-1X



Part Number: [EP20K30ETC144-1X](#)

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

Description: IC FPGA 92 I/O 144TQFP

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

RoHs Status: Contains lead / RoHS non-compliant

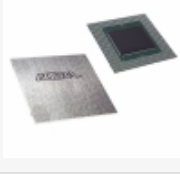
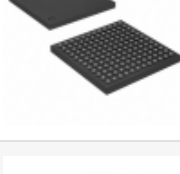
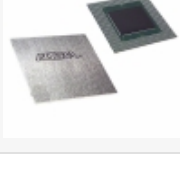
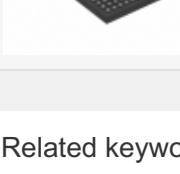
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PRODUCT PARAMETER			
Part Number	EP20K30ETC144-1X	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 92 I/O 144TQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5961 pcs	Data sheet	APEX 20K Family Datasheet 144-TQFP 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-TQFP (20x20)
Series	APEX-20KE®	Package / Case	144-LQFP
Other Names	EP20K30ETC144-1XAA	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	1200	Number of LABs/CLBs	120
Number of I/O	92	Number of Gates	113000
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Base Part Number	EP20K30
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	Part#: EP20K30ETC144-3N Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K400BC652-1 Description: IC FPGA 502 I/O 652BGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EF1144-2XN Description: IC FPGA 93 I/O 144FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30ETC144-2 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#: EP20K30EFC256-2 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#: EP20K30EFC256-3 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EFC256-1 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K30ETC144-3 Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP20K30EQC240-2 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EQC240-1 Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K30EF1144-2X Description: IC FPGA 93 I/O 144FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ

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