

EP20K60ETC144-1



Part Number: [EP20K60ETC144-1](#)

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: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EP20K60ETC144-1	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 92 I/O 144TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5239 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	32768	Supplier Device Package	144-TQFP (20x20)
Series	APEX-20KE®	Package / Case	144-LQFP
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	2560
Number of LABs/CLBs	2560	Number of I/O	92
Number of Gates	162000	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Base Part Number	EP20K60		
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	Part#: EP21SD1AVBE Description: SWITCH PUSH DPST-NO 0.4VA 20V	Manufacturers: C&K	RFQ
	Part#: EP20K60EQC240-3 Description: IC FPGA 151 I/O 240QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60ETC144-2 Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60EQC240-1 Description: IC FPGA 151 I/O 240QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60ETC144-2N Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60EQC208-3 Description: IC FPGA APEX 600K 208PQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60EQI208-2X Description: IC FPGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP20K60EQC240-2 Description: IC FPGA 151 I/O 240QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K60EQC240-1X Description: IC FPGA 151 I/O 240QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP21SD1CBE Description: SWITCH PUSH DPST-NO 0.4VA 20V	Manufacturers: C&K	RFQ
	Part#: EP20K60ETC144-3N Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K60EQC208-3N Description: IC FPGA 148 I/O 208QFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP20K60ETC144-3 Description: IC FPGA 92 I/O 144TQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ

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