



Altera (Intel® Programmable Solutions Group)

Solutions Group)



Image may be representation. See specifications for product details.

EP20K60EFC144-1X

Part Number:	EP20K60EFC144-1X
Manufacturer/Brand:	Altera (Intel® Programmable Solutions Group)
Product description	IC FPGA 93 I/O 144FBGA 1.EP20K60EFC144-1X.pdf 2.EP20K60EFC144-1X.pdf 3.EP20K60EFC144-1X.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

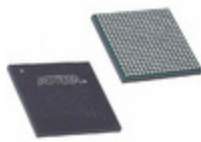
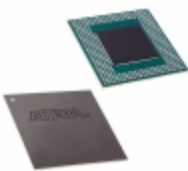
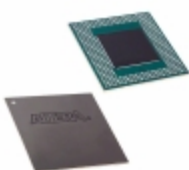
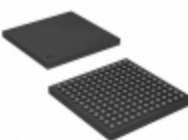
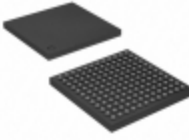
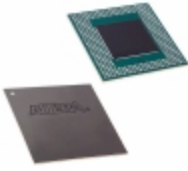
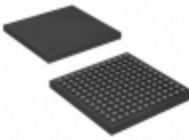
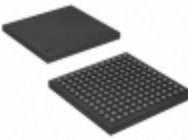
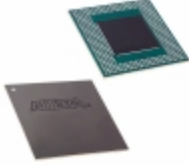
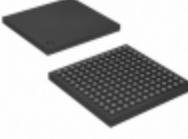
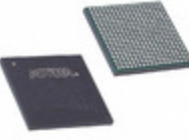
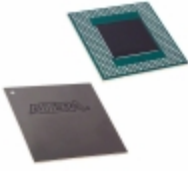
Specifications of EP20K60EFC144-1X

PART NUMBER	EP20K60EFC144-1X
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC FPGA 93 I/O 144FBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.EP20K60EFC144-1X.pdf 2.EP20K60EFC144-1X.pdf 3.EP20K60EFC144-1X.pdf
VOLTAGE - SUPPLY	1.71 V ~ 1.89 V
TOTAL RAM BITS	32768
SUPPLIER DEVICE PACKAGE	144-FBGA (13x13)
SERIES	APEX-20KE®
PACKAGE / CASE	144-BGA
OPERATING TEMPERATURE	0°C ~ 85°C (TJ)
NUMBER OF LOGIC ELEMENTS/CELLS	2560
NUMBER OF LABS/CLBS	2560
NUMBER OF I/O	93
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

Related Tags

Altera (Intel® Programmable Solutions Group) EP20K60EFC144-1X	EP20K60EFC144-1X Distributor	EP20K60EFC144-1X Supplier
EP20K60EFC144-1X Price	EP20K60EFC144-1X Pictures	EP20K60EFC144-1X Image
EP20K60EFC144-1X PDF Datasheet	EP20K60EFC144-1X Download Datasheet	EP20K60EFC144-1X Datasheet
EP20K60EFC144-1X Stock	Buy EP20K60EFC144-1X	Buy Altera (Intel® Programmable Solutions Group) EP20K60EFC144-1X
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Altera (Intel® Programmable Solutions Group) EP20K60EFC144-1X	Altera EP20K60EFC144-1X	Altera (Intel® Programmable Solutions Group) EP20K60EFC144-1X

Related Products

 EP20K60EFC324-1 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 324FBGA In stock: Out stock RFQ	 EP20K60EBC356-1 Manufacturers: Intel® FPGAs Description: IC FPGA 196 I/O 356BGA In stock: Out stock RFQ
 EP20K60EBC356-2 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 356BGA In stock: Out stock RFQ	 EP20K60EFC144-2XN Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 93 I/O 144FBGA In stock: Out stock RFQ
 EP20K60EFC144-3 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 144FBGA In stock: Out stock RFQ	 EP20K60EBC356-2X Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 356BGA In stock: Out stock RFQ
 EP20K60EFC144-1 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 93 I/O 144FBGA In stock: Out stock RFQ	 EP20K60EFC144-2 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 93 I/O 144FBGA In stock: Out stock RFQ
 EP20K60EBC356-1X Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 356BGA In stock: Out stock RFQ	 EP20K60EFC144-2X Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 93 I/O 144FBGA In stock: Out stock RFQ
 EP20K60EFC324-1N Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 324FBGA In stock: Out stock RFQ	 EP20K60EBC356-3 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 196 I/O 356BGA In stock: Out stock RFQ