

EP4SE820H40I4



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Part Number: [EP4SE820H40I4](#)

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

Description IC FPGA 976 I/O 1517HBGA

Data sheet:  [Stratix IV Device Family Overview](#)
 [Stratix IV Devices](#)
 [Stratix IV E Errata](#)
 [Stratix IV Device Handbook Vol.4](#)
 [Stratix IV Device Handbook Vol1](#)
 [Stratix IV Device Handbook Vol.1](#)
 [Virtual JTAG Megafuntion User Guide](#)

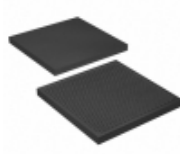
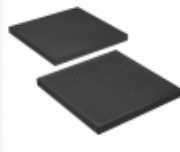
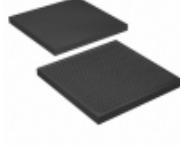
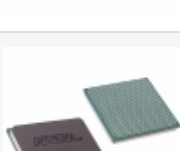
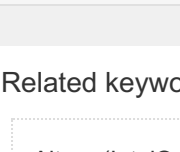
RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	EP4SE820H40I4	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 976 I/O 1517HBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	8 pcs	Data sheet	Stratix IV Device Family Overview Stratix IV Devices Stratix IV E Errata Stratix IV Device Handbook Vol.4 Stratix IV Device Handbook Vol1 Stratix IV Device Handbook Vol.1 Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	0.87 V ~ 0.93 V
Total RAM Bits	34093056	Supplier Device Package	1517-HBGA (42.5x42.5)
Series	STRATIX® IV E	Package / Case	1517-BBGA, FCBGA
Operating Temperature	-40°C ~ 100°C (TJ)	Number of Logic Elements/Cells	813050
Number of LABs/CLBs	32522	Number of I/O	976
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Base Part Number	EP4SE820
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