




Altera (Intel® Programmable

## EP1SGX40DF1020C5

Part Number: EP1SGX40DF1020C5  
 Manufacturer/Brand: Altera (Intel® Programmable Solutions Group)  
 Product description: IC FPGA 624 I/O 1020FBGA  
[PDF](#) 1.EP1SGX40DF1020C5.pdf  
[PDF](#) 2.EP1SGX40DF1020C5.pdf  
[PDF](#) 3.EP1SGX40DF1020C5.pdf  
[PDF](#) 4.EP1SGX40DF1020C5.pdf  
 Datasheets:  
 RoHS Status:  Contains lead / RoHS non-compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

Solutions Group)

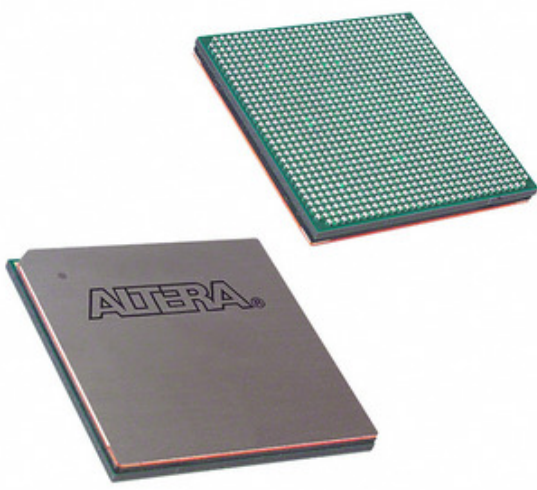


Image may be representation. See specifications for product details.

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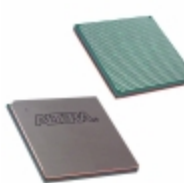
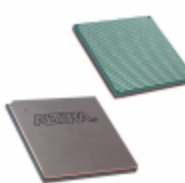
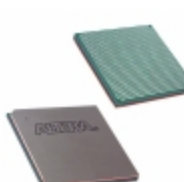
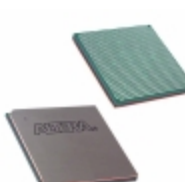

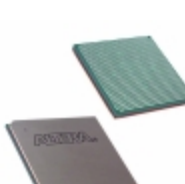
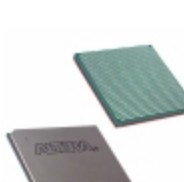

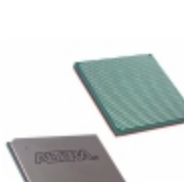



### Specifications of EP1SGX40DF1020C5

PART NUMBER	EP1SGX40DF1020C5
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC FPGA 624 I/O 1020FBGA
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
DATA SHEET	<a href="#">PDF</a> 1.EP1SGX40DF1020C5.pdf <a href="#">PDF</a> 2.EP1SGX40DF1020C5.pdf <a href="#">PDF</a> 3.EP1SGX40DF1020C5.pdf <a href="#">PDF</a> 4.EP1SGX40DF1020C5.pdf
VOLTAGE - SUPPLY	1.425 V ~ 1.575 V
TOTAL RAM BITS	3423744
SUPPLIER DEVICE PACKAGE	1020-FBGA (33x33)
SERIES	Stratix® GX
PACKAGE / CASE	1020-BBGA
OPERATING TEMPERATURE	0°C ~ 85°C (TJ)
NUMBER OF LOGIC ELEMENTS/CELLS	41250
NUMBER OF LABS/CLBS	4125
NUMBER OF I/O	624
MOUNTING TYPE	Surface Mount
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
BASE PART NUMBER	EP1SGX40

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 <p><b>EP1SGX25FF1020C6N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 607 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>EP1SGX25FF1020C7</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 607 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
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 <p><b>EP1SGX40DF1020C5N</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 624 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>EP1SGX40DF1020C6BN</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>EP1SGX40DF1020C7</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 624 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>EP1SGX40DF1020C6</b>                  Manufacturers: Altera (Intel® Programmable Solutions Group)                  Description: IC FPGA 624 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>EP1SGX25FF1020C7N</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 607 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>EP1SGX25FF1020C6</b>                  Manufacturers: Intel® FPGAs                  Description: IC FPGA 607 I/O 1020FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>

