

## 5SGXMA5N1F45I2N



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

IC FPGA 840 I/O 1932FBGA  
Lead free / RoHS Compliant  
Integrated Circuits (ICs)

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Minimum:1

Multiples:100

Manufacturer lead time 10 weeks

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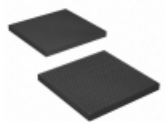
**5**

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### Specifications

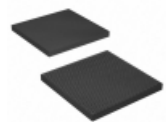
<b>Voltage - Supply:</b>	0.87 V ~ 0.93 V
<b>Total RAM Bits:</b>	53105664
<b>Supplier Device Package:</b>	1932-FBGA (45x45)
<b>Series:</b>	Stratix® V GX
<b>Package / Case:</b>	1932-BBGA, FCBGA
<b>Operating Temperature:</b>	-40°C ~ 100°C (TJ)
<b>Number of Logic Elements/Cells:</b>	490000
<b>Number of LABs/CLBs:</b>	185000
<b>Number of I/O:</b>	840
<b>Mounting Type:</b>	Surface Mount

### Related products



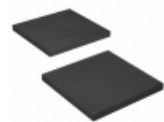
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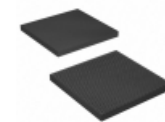
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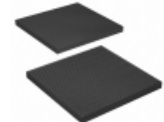
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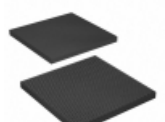
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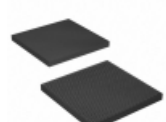
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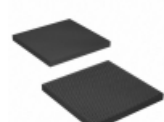
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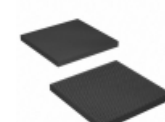
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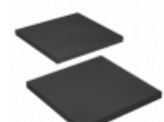
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IC FLASH 32MBIT 90NS 48TSOP  
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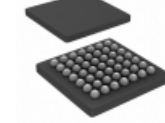
**R1EX25004ASA00I#S0**  
IC EEPROM 4KBIT 5MHZ 8SOP  
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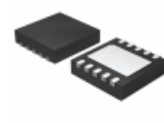
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**BQ20Z70PW-V110**  
IC GAS GAUGE FOR BQ29330 20TSSOP  
[Texas Instruments](#)

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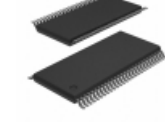
**IS42S16800D-75EBLI**  
IC SDRAM 128MBIT 133MHZ 54BGA  
[ISSI, Integrated Silicon Solution Inc](#)

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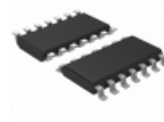
**MCP3905LT-I/SS**  
IC POWER METERING-1 PHASE 24SSOP  
[Microchip Technology](#)

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**PCF8553DTT/AJ**  
IC LCD DRIVER UNIV 56TSSOP  
[NXP USA Inc.](#)

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**IRS2453DSTRPBF**  
IC DRIVER FULL SELF OSC 14-SOIC  
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