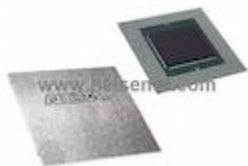


EP20K400EBI652-2X Information


For Reference Only

Part Number [EP20K400EBI652-2X](#)
Manufacturer Altera
Category Integrated Circuits (ICs)
[Embedded - FPGAs \(Field Programmable Gate Array\)](#)
Description IC FPGA 488 I/O 652BGA
Package 652-BBGA
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


[Request a Quote](#)
Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


EP20K400EBI652-2X Specifications

| | |
|--------------------------------|---|
| Manufacturer Part Number | EP20K400EBI652-2X |
| Manufacturer | Altera |
| Category | Integrated Circuits (ICs) Embedded - FPGAs (Field Programmable Gate Array) |
| Package | 652-BBGA |
| Series | APEX-20KE? |
| Number of LABs/CLBs | 1664 |
| Number of Logic Elements/Cells | 16640 |
| Total RAM Bits | 212992 |
| Number of I/O | 488 |
| Number of Gates | 1052000 |
| Voltage - Supply | 1.71 V ~ 1.89 V |
| Mounting Type | Surface Mount |
| Operating Temperature | -40°C ~ 100°C (TJ) |
| Package / Case | 652-BBGA |
| Supplier Device Package | 652-BGA (45x45) |

[Report errors?](#)

EP20K400EBI652-2X Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

EP20K400EBI652-2X Payment Methods



EP20K400EBI652-2X Shipping Methods



If you have any question about EP20K400EBI652-2X, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: salesdept@heisener.com