

# TMS320C6747CZKBT3

### TMS320C6747CZKBT3 Information



### **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.



## TMS320C6747CZKBT3 Specifications

| ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - DSP (Digital Signal Processors)Package256-BGASeriesTMS320C674xTypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - L/O3.30VVoltage - Core1.20VOperating Temperature4.40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGA (17x17)     |                          |   |                |
|--|--------------------------|---|----------------|
| CategoryIntegrated Circuits (ICs)<br>Embedded - DSP (Digital Signal Processors)Package256-BGASeriesTMS320C674xTypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17) | Manufacturer Part Number | TMS320C6747CZKBT3   |                |
| Impedded - DSP (Digital Signal Processors)Package256-BGASeriesTMS320C674xTypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)                                      | Manufacturer             | Texas Instruments   |                |
| Package256-BGASeriesTMS320C674xTypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGA (17x17)   | Category                 | Integrated Circuits (ICs)   |                |
| SeriesTMS320C674xTypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)  |                          | Embedded - DSP (Digital Signal Processors)                        |                |
| TypeFixed/Floating PointInterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGA (17x17)   | Package                  | 256-BGA   |                |
| InterfaceEBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USBClock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)   | Series                   | TMS320C674x   |                |
| Clock Rate375MHzNon-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)   | Туре                     | Fixed/Floating Point  |                |
| Non-Volatile MemoryExternalOn-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)   | Interface                | EBI/EMI, Ethernet MAC, Host Interface, I2C, McASP, SPI, UART, USB |                |
| On-Chip RAM448kBVoltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)  | Clock Rate               | 375MHz  |                |
| Voltage - I/O3.30VVoltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)  | Non-Volatile Memory      | External  |                |
| Voltage - Core1.20VOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)  | On-Chip RAM              | 448kB   |                |
| Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)   | Voltage - I/O            | 3.30V   |                |
| Mounting TypeSurface MountPackage / Case256-BGASupplier Device Package256-BGA (17x17)  | Voltage - Core           | 1.20V   |                |
| Package / Case256-BGASupplier Device Package256-BGA (17x17)  | Operating Temperature    | -40°C ~ 125°C (TJ)  |                |
| Supplier Device Package256-BGA (17x17)   | Mounting Type            | Surface Mount   |                |
|  | Package / Case           | 256-BGA   |                |
| Report errors?   | Supplier Device Package  | 256-BGA (17x17)   |                |
|  |                          |   | Report errors? |

### TMS320C6747CZKBT3 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.

### TMS320C6747CZKBT3 Payment Methods



If you have any question about TMS320C6747CZKBT3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com