



# 25LC080B-E/ST Information



For Reference Only

Part Number 25LC080B-E/ST

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

Memory

DescriptionIC EEPROM 8KBIT 10MHZ 8TSSOPPackage8-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## 25LC080B-E/ST Specifications

| Manufacturer Part Number25LC080B-E/STManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Package8-TSSOP (0.173", 4.40mm Width)Series-Memory TypeNon-VolatileMemory FormatEEPROMTechnologyEEPROMMemory Size8Kb (1K x 8)Memory InterfaceSPIClock Frequency10MHzWrite Cycle Time - Word, Page5msAccess Time-Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP   | *                             |                                |
|--|-------------------------------|--------------------------------|
| CategoryIntegrated Circuits (ICs)MemoryPackage8-TSSOP (0.173", 4.40mm Width)Series-Memory TypeNon-VolatileMemory FormatEEPROMTechnologyEEPROMMemory Size8Kb (1K x 8)Memory InterfaceSPIClock Frequency10MHzWrite Cycle Time - Word, Page5msAccess Time-Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP  | Manufacturer Part Number      | 25LC080B-E/ST                  |
| Memory           Package         8-TSSOP (0.173", 4.40mm Width)           Series         -           Memory Type         Non-Volatile           Memory Format         EEPROM           Technology         EEPROM           Memory Size         8Kb (1K x 8)           Memory Interface         SPI           Clock Frequency         10MHz           Write Cycle Time - Word, Page         5ms           Access Time         -           Voltage - Supply         2.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         8-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         8-TSSOP | Manufacturer                  | Microchip Technology           |
| Package 8-TSSOP (0.173", 4.40mm Width)  Series -  Memory Type Non-Volatile  Memory Format EEPROM  Technology EEPROM  Memory Size 8Kb (1K x 8)  Memory Interface SPI  Clock Frequency 10MHz  Write Cycle Time - Word, Page 5ms  Access Time -  Voltage - Supply 2.5 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package  | Category                      | Integrated Circuits (ICs)      |
| Series - Memory Type Non-Volatile  Memory Format EEPROM  Technology EEPROM  Memory Size 8Kb (1K x 8)  Memory Interface SPI  Clock Frequency 10MHz  Write Cycle Time - Word, Page 5ms  Access Time - Voltage - Supply 2.5 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package  |                               | Memory                         |
| Memory TypeNon-VolatileMemory FormatEEPROMTechnologyEEPROMMemory Size8Kb (1K x 8)Memory InterfaceSPIClock Frequency10MHzWrite Cycle Time - Word, Page5msAccess Time-Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP   | Package                       | 8-TSSOP (0.173", 4.40mm Width) |
| Memory FormatEEPROMTechnologyEEPROMMemory Size8Kb (1K x 8)Memory InterfaceSPIClock Frequency10MHzWrite Cycle Time - Word, Page5msAccess Time-Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP  | Series                        | -                              |
| Technology  Memory Size  8Kb (1K x 8)  Memory Interface  SPI  Clock Frequency  10MHz  Write Cycle Time - Word, Page  Access Time  -  Voltage - Supply  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-TSSOP  EEPROM  8Kb (1K x 8)  8Kb (1K x 8)  8Kb (1K x 8)  8Kb (1K x 8)  8FISOP  | Memory Type                   | Non-Volatile                   |
| Memory Size 8Kb (1K x 8)  Memory Interface SPI  Clock Frequency 10MHz  Write Cycle Time - Word, Page 5ms  Access Time - Voltage - Supply 2.5 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP  | Memory Format                 | EEPROM                         |
| Memory InterfaceSPIClock Frequency10MHzWrite Cycle Time - Word, Page5msAccess Time-Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP  | Technology                    | EEPROM                         |
| Clock Frequency  Write Cycle Time - Word, Page  Access Time  -  Voltage - Supply  Operating Temperature  Package / Case  Supplier Device Package  10MHz  5ms   10MHz  5ms   10MHz   5ms    10MHz   5ms   | Memory Size                   | 8Kb (1K x 8)                   |
| Write Cycle Time - Word, Page  Access Time  - Voltage - Supply  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package   | Memory Interface              | SPI                            |
| Access Time-Voltage - Supply $2.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ (0.173", 4.40mm Width)Supplier Device Package $8\text{-TSSOP}$  | Clock Frequency               | 10MHz                          |
| Voltage - Supply $2.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)}$ Mounting Type $\text{Surface Mount}$ Package / Case $8\text{-TSSOP (0.173'', 4.40mm Width)}$ Supplier Device Package $8\text{-TSSOP}$  | Write Cycle Time - Word, Page | 5ms                            |
| Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP  | Access Time                   | -                              |
| Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP  | Voltage - Supply              | 2.5 V ~ 5.5 V                  |
| Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP  | Operating Temperature         | -40°C ~ 125°C (TA)             |
| Supplier Device Package 8-TSSOP  | Mounting Type                 | Surface Mount                  |
|  | Package / Case                | 8-TSSOP (0.173", 4.40mm Width) |
| Report errors?   | Supplier Device Package       | 8-TSSOP                        |
|  |                               | Report errors?                 |

### 25LC080B-E/ST 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.

## 25LC080B-E/ST Payment Methods



















### 25LC080B-E/ST Shipping Methods













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