

NXP Semiconductors / Freescale

LPC54608J512ET180E

|                     |                                 |
|---------------------|---------------------------------|
| Part Number:        | LPC54608J512ET180E              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale  |
| Product description | IC MCU 32BIT 512KB FLASH 180BGA |
| Datasheets:         |                                 |
| Stock Condition     | 11340 pcs stock                 |
| Ship From           | Hong Kong                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS           |

REQUEST FOR QUOTATION

Specifications of LPC54608J512ET180E

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | LPC54608J512ET180E                                                                                 |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 180BGA                                                                    |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                    |
| QUANTITY AVAILABLE               | 11340 pcs                                                                                          |
| DATA SHEET                       |                                                                                                    |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 180-TFBGA (12x12)                                                                                  |
| SPEED                            | 180MHz                                                                                             |
| SERIES                           | LPC546xx                                                                                           |
| RAM SIZE                         | 200K x 8                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                              |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                               |
| PACKAGING                        | Tray                                                                                               |
| PACKAGE / CASE                   | 180-TFBGA                                                                                          |
| OTHER NAMES                      | 568-13353<br>935308866551<br>LPC54608J512ET180                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                 |
| NUMBER OF I/O                    | 145                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                      |
| EEPROM SIZE                      | 16K x 8                                                                                            |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 LPC546xx Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 180-TFBGA (12x12) |
| DATA CONVERTERS                  | A/D 12x12b                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                    |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                        |

Related Tags

|                                  |                                       |                              |
|----------------------------------|---------------------------------------|------------------------------|
| LPC54608J512ET180E               | LPC54608J512ET180E Distributor        | LPC54608J512ET180E Supplier  |
| LPC54608J512ET180E Price         | LPC54608J512ET180E Pictures           | LPC54608J512ET180E Image     |
| LPC54608J512ET180E PDF Datasheet | LPC54608J512ET180E Download Datasheet | LPC54608J512ET180E Datasheet |
| LPC54608J512ET180E Stock         | Buy LPC54608J512ET180E                | Buy LPC54608J512ET180E       |
| LPC54608J512ET180E               | Supplier                              | Distributor                  |

Related Products

|                                                                                                                                                                 |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>LPC54618J512ET180E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 12193 pcs</p>             | <p><b>LPC54607J256ET180E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 180BGA<br/>In stock: 11879 pcs</p> |
| <p><b>LPC54606J512ET100E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 10176 pcs</p>             | <p><b>LPC54607J256BD208E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 208LQFP<br/>In stock: 9727 pcs</p> |
| <p><b>LPC54616J256ET180E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 14883 pcs</p>             | <p><b>LPC54616J512BD100E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 12097 pcs</p>            |
| <p><b>LPC54616J512BD208E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 10784 pcs</p>             | <p><b>LPC54616J512ET100E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 8997 pcs</p>             |
| <p><b>LPC54607J512ET180E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 10864 pcs</p> | <p><b>LPC54606J512BD208E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 9179 pcs</p> |
| <p><b>LPC54618J512BD208E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32-BIT ARM CORTEX-M4<br/>In stock: 18355 pcs</p>             | <p><b>LPC54608J512BD208E</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 9006 pcs</p> |

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