

NXP Semiconductors / Freescale

LPC1758FBD80Y

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | LPC1758FBD80Y                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 80LQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 14366 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

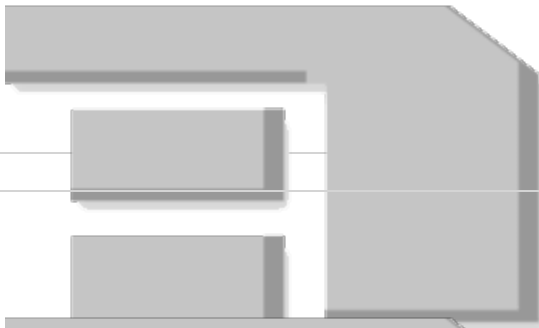
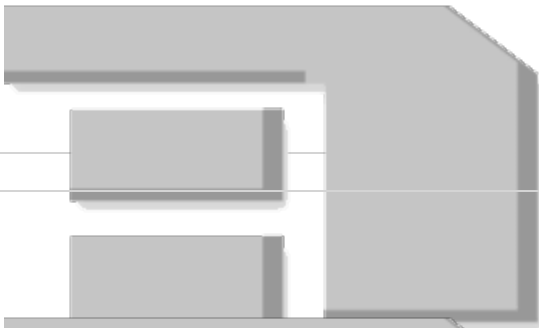
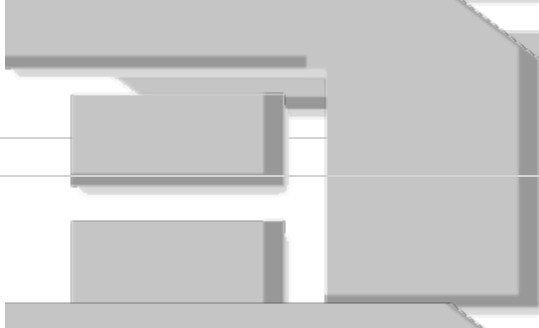
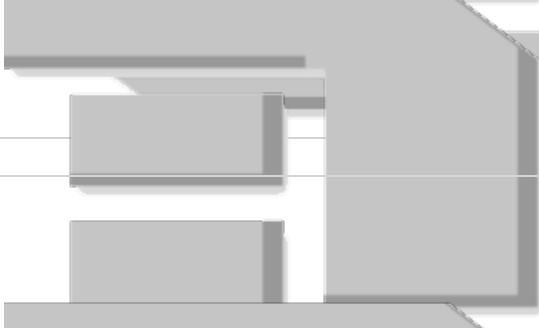
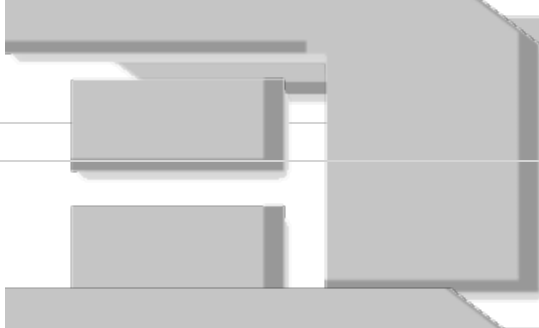
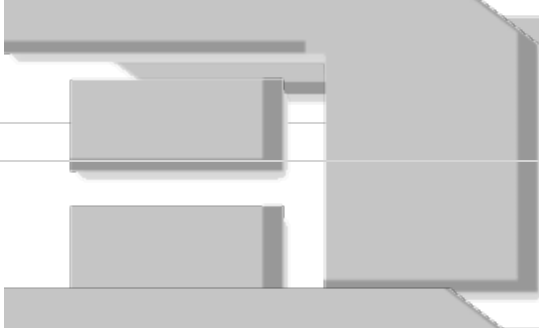
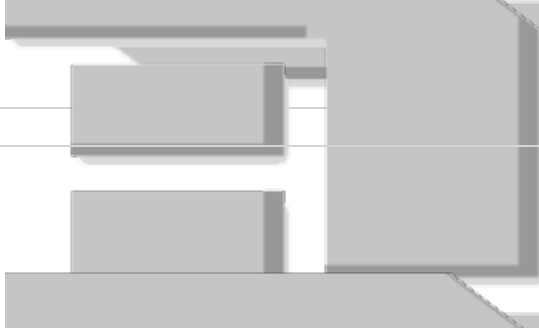
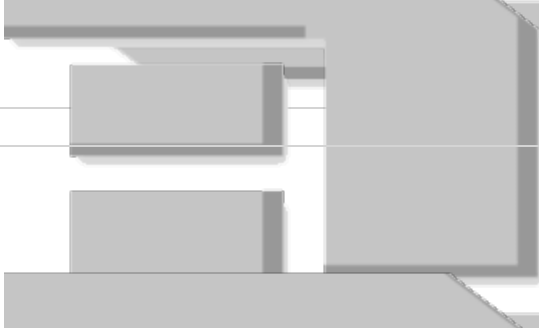
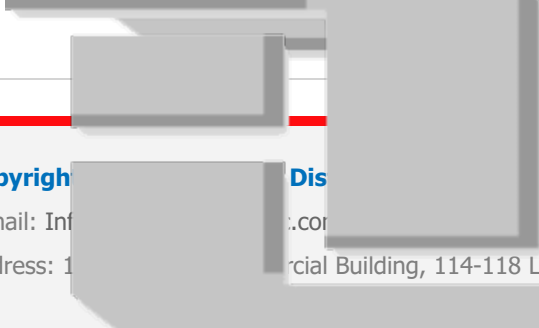
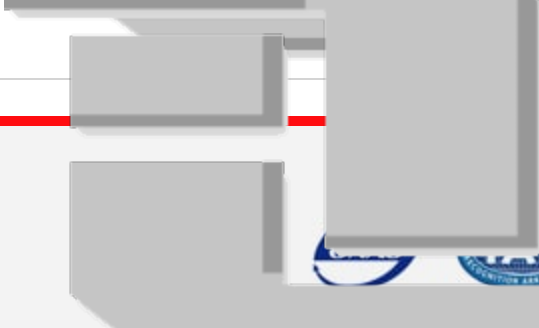
Specifications of LPC1758FBD80Y

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | LPC1758FBD80Y                                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                  |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 80LQFP                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 14366 pcs                                                                                       |
| DATA SHEET                       |                                                                                                 |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.4 V ~ 3.6 V                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                 |
| SPEED                            | 100MHz                                                                                          |
| SERIES                           | LPC17xx                                                                                         |
| RAM SIZE                         | 64K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, Motor Control PWM, POR, PWM, WDT                              |
| PACKAGING                        | Tape & Reel (TR)                                                                                |
| PACKAGE / CASE                   | 80-LQFP                                                                                         |
| OTHER NAMES                      | 935288607518                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                               |
| NUMBER OF I/O                    | 52                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | -                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 LPC17xx Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 80-LQFP (12x12) |
| DATA CONVERTERS                  | A/D 6x12b, D/A 1x10b                                                                            |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                 |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, IrDA, Microwire, SPI, SSI, UART/USART, USB OTG                           |
| BASE PART NUMBER                 | LPC1758                                                                                         |

Related Tags

|                             |                                  |                         |
|-----------------------------|----------------------------------|-------------------------|
| LPC1758FBD80Y               | LPC1758FBD80Y Distributor        | LPC1758FBD80Y Supplier  |
| LPC1758FBD80Y Price         | LPC1758FBD80Y Pictures           | LPC1758FBD80Y Image     |
| LPC1758FBD80Y PDF Datasheet | LPC1758FBD80Y Download Datasheet | LPC1758FBD80Y Datasheet |
| LPC1758FBD80Y Stock         | Buy LPC1758FBD80Y                | Buy LPC1758FBD80Y       |
| LPC1758FBD80Y               | Supplier                         | Distributor             |

Related Products

|                                                                                    |                                                                                                                                      |                                                                                      |                                                                                                                                      |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>LPC1754FBD80,518</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 80LQFP<br>In stock: 21288 pcs<br><b>RFQ</b>   |  | <b>LPC1754FBD80,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 80LQFP<br>In stock: 10453 pcs<br><b>RFQ</b>   |
|  | <b>LPC1763FBD100Y</b><br>Manufacturers: NXP<br>Description: 256KB FLASH, 64KB SRAM, NO CAN,<br>In stock: 23621 pcs<br><b>RFQ</b>     |  | <b>LPC1758FBD80,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br>In stock: 10287 pcs<br><b>RFQ</b>   |
|  | <b>LPC1763FBD100K</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 16240 pcs<br><b>RFQ</b>    |  | <b>LPC1764FBD100,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br>In stock: 11025 pcs<br><b>RFQ</b> |
|  | <b>LPC1756FBD80,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 80LQFP<br>In stock: 12700 pcs<br><b>RFQ</b>   |  | <b>LPC1752FBD80,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 64KB FLASH 80LQFP<br>In stock: 15167 pcs<br><b>RFQ</b>    |
|  | <b>LPC1763FBD100,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 11748 pcs<br><b>RFQ</b> |  | <b>LPC1756FBD80Y</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 80LQFP<br>In stock: 18182 pcs<br><b>RFQ</b>      |
|  | <b>LPC1765FBD100,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 9106 pcs<br><b>RFQ</b>  |  | <b>LPC1759FBD80,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br>In stock: 9957 pcs<br><b>RFQ</b>    |