

MPC8540VT833LB



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**Part Number:** [MPC8540VT833LB](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MPU MPC85XX 833MHZ 783FCBGA

**Data sheet:**  [MPC8540 Product Brief](#)  
 [MPC8540 Fact Sheet](#)  
 [MPC8540](#)  
 [MPIC Double Interrupt Errata](#)

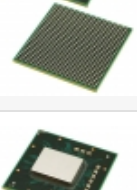
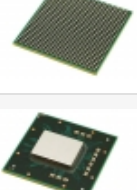
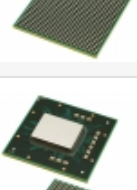
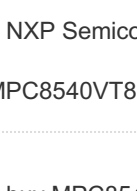
**RoHS Status:** Not applicable / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                 |                                  |                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MPC8540VT833LB                                                                  | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU MPC85XX 833MHZ 783FCBGA                                                  | Lead Free Status / RoHS Status   | Not applicable / RoHS Compliant                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4077 pcs                                                                        | Data sheet                       | <a href="#">MPC8540 Product Brief</a><br><a href="#">MPC8540 Fact Sheet</a><br><a href="#">MPC8540</a><br><a href="#">MPIC Double Interrupt Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - I/O                    | 2.5V, 3.3V                                                                                                                                             |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                               | Supplier Device Package          | 783-FCPBGA (29x29)                                                                                                                                     |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 833MHz                                                                          | Series                           | MPC85xx                                                                                                                                                |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                               | SATA                             | -                                                                                                                                                      |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DDR, SDRAM                                                                      | Packaging                        | Tray                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 784-BBGA, FCBGA                                                                 | Operating Temperature            | 0°C ~ 105°C (TA)                                                                                                                                       |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 Core, 32-Bit                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Not applicable / RoHS Compliant                                                 | Graphics Acceleration            | No                                                                                                                                                     |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10/100 Mbps (1), 10/100/1000 Mbps (2)                                           | Display & Interface Controllers  | -                                                                                                                                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PowerPC e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 833MHz 783-FCPBGA (29x29) | Core Processor                   | PowerPC e500                                                                                                                                           |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                               | Base Part Number                 | MPC8540                                                                                                                                                |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DUART, I <sup>2</sup> C, PCI, RapidIO                                           |                                  |                                                                                                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 4077 pieces of NXP Semiconductors / Freescale MPC8540VT833LB in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                 |                                  |                                                                                                                                                        |

| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MPC8540VT667LC</a><br>Description: IC MPU MPC85XX 667MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540PX833LB</a><br>Description: IC MPU MPC85XX 833MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541EPXAJD</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540PX833LC</a><br>Description: IC MPU MPC85XX 833MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MPC8540PX667LC</a><br>Description: IC MPU MPC85XX 667MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540VTAQFB</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540VTAQFC</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541CPXAJD</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540VT833LC</a><br>Description: IC MPU MPC85XX 833MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540PXAQFB</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541ECPXAJD</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540PX533JB</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541ECVTAJD</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541CVTAJD</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540VT533JB</a><br>Description: IC MPU MPC85XX 533MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MPC8541ECPXALF</a><br>Description: IC MPU MPC85XX 667MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8541ECVTALF</a><br>Description: IC MPU MPC85XX 667MHZ 783FCBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MPC8540PXAQFC</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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