

KMPC857TVR100B



Part Number: [KMPC857TVR100B](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC8XX 100MHZ 357BGA

Data sheet:  [MPC862,857T,857DSL](#)

RoHs Status: Lead free / RoHS Compliant

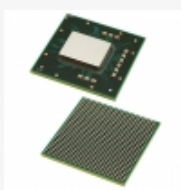
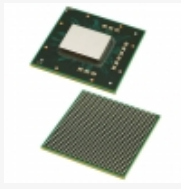
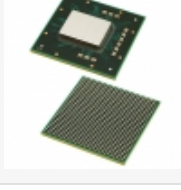
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        |                                  |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | KMPC857TVR100B                                                         | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC8XX 100MHZ 357BGA                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 4556 pcs                                                               | Data sheet                       | <a href="#">MPC862,857T,857DSL</a>             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                              | Voltage - I/O                    | 3.3V                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                      | Supplier Device Package          | 357-PBGA (25x25)                               |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100MHz                                                                 | Series                           | MPC8xx                                         |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                      | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                          | DRAM                                                                   | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 357-BBGA                                                               | 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                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                             | Graphics Acceleration            | No                                             |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 Mbps (1), 10/100 Mbps (1)                                           | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                     | MPC8xx Microprocessor IC MPC8xx 1 Core, 32-Bit 100MHz 357-PBGA (25x25) | Core Processor                   | MPC8xx                                         |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                        | Communications; CPM                                                    | Base Part Number                 | MPC857                                         |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                    | HDLC/SDLC, I <sup>2</sup> C, IrDA, PCMCIA, SPI, TDM, UART/USART        |                                  |                                                |
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|  | Part#: <a href="#">KMPC859DSLZP66A</a><br>Description: IC MPU MPC8XX 66MHZ 357BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">KMPC857DSLZQ66B</a><br>Description: IC MPU MPC8XX 66MHZ 357BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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|  | Part#: <a href="#">KMPC857TZQ100B</a><br>Description: IC MPU MPC8XX 100MHZ 357BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">KMPC857TCVR80B</a><br>Description: IC MPU MPC8XX 80MHZ 357BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">KMPC8560VTAQFB</a><br>Description: IC MPU MPC85XX 1.0GHZ 783FCBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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|  | Part#: <a href="#">KMPC859PZP133A</a><br>Description: IC MPU MPC8XX 133MHZ 357BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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|  | Part#: <a href="#">KMPC857TCZQ80B</a><br>Description: IC MPU MPC8XX 80MHZ 357BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">KMPC859DSLVR66A</a><br>Description: IC MPU MPC8XX 66MHZ 357BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |

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