

LX1553ID



Part Number: [LX1553ID](#)

Manufacturer: [Microsemi](#)

Description: IC REG CTRLR BUCK/BOOST 14SOIC

Data sheet:  [LX1552,LX1553,LX1554,LX1555](#)

RoHS Status: Lead free / RoHS Compliant

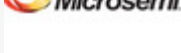
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | LX1553ID                                  | Manufacturer                   | <a href="#">Microsemi</a>                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC REG CTRLR BUCK/BOOST 14SOIC            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 4975 pcs                                  | Data sheet                     | <a href="#">LX1552,LX1553,LX1554,LX1555</a>                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 7.6 V ~ 30 V                                                                         |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                | Buck, Boost                               | Synchronous Rectifier          | Yes                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                 | 14-SOIC                                   | Series                         | -                                                                                    |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Packaging                      | Tube                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 14-SOIC (0.154", 3.90mm Width)            | Output Type                    | Transistor Driver                                                                    |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                         | Output Configuration           | Positive                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of Outputs              | 1                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                        | 2 (1 Year)                                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                | Step-Up, Step-Down                        | Frequency - Switching          | -                                                                                    |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                                                                        | 96%                                       | Detailed Description           | Buck, Boost Regulator Positive Output Step-Up, Step-Down DC-DC Controller IC 14-SOIC |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                        | Frequency Control                         | Clock Sync                     | No                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | LX155*                                    |                                |                                                                                      |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 4975 pieces of Microsemi LX1553ID 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="#">LX1553MY</a><br>Description: IC REG CTRLR BUCK/BOOST 8DIP     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554IM</a><br>Description: IC REG CTRLR PWM CM 8-DIP        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554ID</a><br>Description: IC REG CTRLR PWM CM 14-SOIC      | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554CD</a><br>Description: IC REG CTRLR PWM CM 14-SOIC      | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552CM</a><br>Description: IC REG CTRLR PWM CM 8-DIP        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554CM</a><br>Description: IC REG CTRLR PWM CM 8-DIP        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552CPW</a><br>Description: IC REG CTRLR PWM CM 20-TSSOP    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554DM</a><br>Description: IC REG CTRLR PWM CM 8SOIC        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1553CDM</a><br>Description: IC REG CTRLR BUCK/BOOST 8SOIC   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1553CD</a><br>Description: IC REG CTRLR BUCK/BOOST 14SOIC   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552MY</a><br>Description: IC REG CTRLR PWM CM 8-DIP        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552ID</a><br>Description: IC REG CTRLR PWM CM 14-SOIC      | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LX1553CPW</a><br>Description: IC REG CTRLR BUCK/BOOST 20TSSOP | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552IM</a><br>Description: IC REG CTRLR PWM CM 8-DIP        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1552DM</a><br>Description: IC REG CTRLR PWM CM 8SOIC        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1553IM</a><br>Description: IC REG CTRLR BUCK/BOOST 8DIP     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1553DM</a><br>Description: IC REG CTRLR BUCK/BOOST 8SOIC    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1553CM</a><br>Description: IC REG CTRLR BUCK/BOOST 8DIP     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LX1554CDM</a><br>Description: IC REG CTRLR PWM CM 8SOIC       | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

| Related keywords for LX1553ID         |                                              |                                           |                                          |
|---------------------------------------|----------------------------------------------|-------------------------------------------|------------------------------------------|
| Microsemi LX1553ID                    | LX1553ID distributor                         | LX1553ID supplier                         | LX1553ID price                           |
| LX1553ID download datasheet           | LX1553ID datasheet                           | LX1553ID stock                            | buy LX1553ID                             |
| Microsemi LX1553ID                    | Microsemi Analog Mixed Signal Group LX1553ID | Microsemi Analog Mixed Signal Group [MIL] | Microsemi Consumer Medical Product Group |
|                                       |                                              | LX1553ID                                  | LX1553ID                                 |
| Microsemi HI-REL [MIL] LX1553ID       | Microsemi Power Management Group LX1553ID    | Microsemi Power Products Group LX1553ID   | Microsemi SoC LX1553ID                   |
| Microsemi Commercial Components Group | Microsemi Corporation LX1553ID               | Microsemi Solutions Sdn Bhd. LX1553ID     |                                          |
| LX1553ID                              |                                              |                                           |                                          |

