

ICE40UL640-CM36AI



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**Part Number:** ICE40UL640-CM36AI

**Manufacturer:** Lattice Semiconductor

**Description:** IC FPGA 26 I/O 36UCBGA

**Data sheet:**  ICE40 UltraLite Family

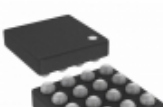
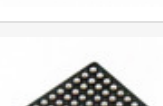
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                 |                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|----------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ICE40UL640-CM36AI                         | Manufacturer                    | <a href="#">Lattice Semiconductor</a>  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC FPGA 26 I/O 36UCBGA                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 75177 pcs                                 | Data sheet                      | <a href="#">ICE40 UltraLite Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                | 1.14 V ~ 1.26 V                        |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 57344                                     | Supplier Device Package         | 36-UCBGA (2.5x2.5)                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UltraLite                                 | Package / Case                  | 36-VFBGA                               |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 220-1959                                  | Operating Temperature           | -40°C ~ 100°C (TJ)                     |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 640                                       | Number of LABs/CLBs             | 80                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 26                                        | Mounting Type                   | Surface Mount                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                             | Manufacturer Standard Lead Time | 8 Weeks                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                |                                 |                                        |
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| RELATED PRODUCTS                                                                   |                                                                             |                                      |     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------|-----|
|  | Part#: ICE40UL1K-SWG16ITR1K<br>Description: IC FPGA 10 I/O 16WLCSP          | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UP5K-B-EVN<br>Description: ICE40 ULTRAPLUS BREAKOUT BOARD       | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL640-CM36AITR<br>Description: IC FPGA 26 I/O 36UCBGA           | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL640-SWG16ITR1K<br>Description: IC FPGA 10 I/O 16WLCSP         | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-CM36AITR<br>Description: IC FPGA 26 I/O 36UCBGA            | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40LP8K-USBC-EVN<br>Description: DEMO KIT FOR ICE40LP8K            | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UP3K-UWG30ITR50<br>Description: CE40-ULTRAPLUS, 2800 LUTS, 1.2V | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UP3K-UWG30ITR<br>Description: CE40-ULTRAPLUS, 2800 LUTS, 1.2V   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-B-EVN<br>Description: BREAKOUT BOARD IC FPGA ULTRA         | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-CM36AITR1K<br>Description: IC FPGA 26 I/O 36UCBGA          | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UP5K-MDP-EVN<br>Description: ICE40 ULTRAPLUS MOBILE DEV BOARD   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL640-SWG16ITR50<br>Description: IC FPGA 10 I/O 16WLCSP         | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL640-CM36AITR1K<br>Description: IC FPGA 26 I/O 36UCBGA         | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UP3K-UWG30ITR1K<br>Description: CE40-ULTRAPLUS, 2800 LUTS, 1.2V | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-SWG16ITR<br>Description: IC FPGA 10 I/O 16WLCSP            | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL640-SWG16ITR<br>Description: IC FPGA 10 I/O 16WLCSP           | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-SWG16ITR50<br>Description: IC FPGA 10 I/O 16WLCSP          | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40LP8K-CM81<br>Description: IC FPGA 63 I/O 81UCBGA                | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40UL1K-CM36AI<br>Description: IC FPGA 26 I/O 36UCBGA              | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ICE40LP8K-CM225<br>Description: IC FPGA 178 I/O 225UCBGA             | Manufacturers: Lattice Semiconductor | RFQ |

|                                         |                                                     |                            |                         |
|-----------------------------------------|-----------------------------------------------------|----------------------------|-------------------------|
| Related keywords for ICE40UL640-CM36AI  |                                                     |                            |                         |
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