

ICE40LM1K-SWG25TR1K



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**Part Number:** [ICE40LM1K-SWG25TR1K](#)

**Manufacturer:** [Lattice Semiconductor](#)

**Description:** IC FPGA 18 I/O 25WLCSP

**Data sheet:**  [Product Selector Guide](#)  
 [Package Diagrams](#)  
 [ICE40LM Family](#)  
 [ICE40 LP/HX/LM Family Handbook](#)  
 [ICE40LM Family Data Sheet](#)

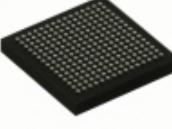
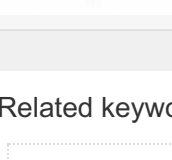
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                  |                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ICE40LM1K-SWG25TR1K                       | Manufacturer                     | <a href="#">Lattice Semiconductor</a>                                                                                                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC FPGA 18 I/O 25WLCSP                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28831 pcs                                 | Data sheet                       | <a href="#">Product Selector Guide</a><br><a href="#">Package Diagrams</a><br><a href="#">iCE40LM Family</a><br><a href="#">ICE40 LP/HX/LM Family Handbook</a><br><a href="#">ICE40LM Family Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.14 V ~ 1.26 V                                                                                                                                                                                             |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 65536                                     | Supplier Device Package          | 25-WLCSP (1.7x1.7)                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LM                                        | Package / Case                   | 25-XFBGA, WLCSP                                                                                                                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells   | 1000                                                                                                                                                                                                        |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 125                                       | Number of I/O                    | 18                                                                                                                                                                                                          |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                               |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Lattice Semiconductor series electronic components. We have 28831 pieces of Lattice Semiconductor ICE40LM1K-SWG25TR1K 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="#">ICE40HX8K-DRAGON-EVN</a><br>Description: BOARD EVAL FOR ICE40HX        | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40HX8K-CM225</a><br>Description: IC FPGA 178 I/O 225UCBGA           | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-CM36</a><br>Description: IC FPGA 28 I/O 36UCBGA              | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-SWG25TR1K</a><br>Description: IC FPGA 18 I/O 25WLCSP         | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-SWG25TR</a><br>Description: IC FPGA 18 I/O 25WLCSP           | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM4K-CM36TR1K</a><br>Description: IC FPGA 28 I/O 36UCBGA          | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-CM36TR1K</a><br>Description: IC FPGA 28 I/O 36UCBGA          | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-CM36</a><br>Description: IC FPGA 28 I/O 36UCBGA              | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-CM49TR1K</a><br>Description: IC FPGA 37 I/O 49UCBGA          | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-SWG25TR50</a><br>Description: IC FPGA 18 I/O 25WLCSP         | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40HX8K-BG121TR</a><br>Description: ICE40HX ULTRA LOW-POWER, 7680 LU | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM4K-CM36</a><br>Description: IC FPGA 28 I/O 36UCBGA              | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-SWG25TR</a><br>Description: IC FPGA 18 I/O 25WLCSP           | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-CM49</a><br>Description: IC FPGA LP 3502LUTS 1.2V 49UCBGA    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-CM36TR1K</a><br>Description: IC FPGA 28 I/O 36UCBGA          | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40HX8K-CB132</a><br>Description: IC FPGA 95 I/O 132CSBGA            | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-CM49TR1K</a><br>Description: IC FPGA 37 I/O 49UCBGA          | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40HX8K-CT256</a><br>Description: IC FPGA 206 I/O 256CABGA           | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM1K-SWG25TR50</a><br>Description: IC FPGA 18 I/O 25WLCSP         | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ICE40LM2K-CM49</a><br>Description: IC FPGA 37 I/O 49UCBGA              | Manufacturers: <a href="#">Lattice Semiconductor</a> | <a href="#">RFQ</a> |

| Related keywords for ICE40LM1K-SWG25TR1K  |                                                       |                              |                           |
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