

A1440A-TQ176I



**Part Number:** [A1440A-TQ176I](#)

**Manufacturer:** [Microsemi](#)

**Description:** IC FPGA 140 I/O 176TQFP

**Data sheet:**  [ACT 3 Family](#)

**RoHS Status:** Contains lead / RoHS non-compliant

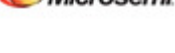
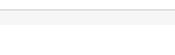
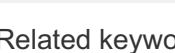
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                  | A1440A-TQ176I                             | Manufacturer                   | <a href="#">Microsemi</a>          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC FPGA 140 I/O 176TQFP                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 4180 pcs                                  | Data sheet                     | <a href="#">ACT 3 Family</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 4.5 V ~ 5.5 V                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                      | 176-TQFP (24x24)                          | Series                         | ACT™ 3                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                               | 176-LQFP                                  | Operating Temperature          | -40°C ~ 85°C (TA)                  |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                          | 564                                       | Number of I/O                  | 140                                |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                                              | 4000                                      | Mounting Type                  | Surface Mount                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | A1440                                     |                                |                                    |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 4180 pieces of Microsemi A1440A-TQ176I 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="#">A14415-01</a><br>Description: THERM PAD 228.6X228.6MM BLU/VIO | Manufacturers: <a href="#">Laird Technologies - Thermal Products</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-VQG100I</a><br>Description: IC FPGA 83 I/O 100VQFP     | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A14411-01</a><br>Description: THERM PAD 228.6X228.6MM BLU/VIO | Manufacturers: <a href="#">Laird Technologies - Thermal Products</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-1VQG100I</a><br>Description: IC FPGA 83 I/O 100VQFP    | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PLG84I</a><br>Description: IC FPGA 70 I/O 84PLCC       | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PL84I</a><br>Description: IC FPGA 70 I/O 84PLCC        | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-TQG176I</a><br>Description: IC FPGA 140 I/O 176TQFP    | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-VQ100C</a><br>Description: IC FPGA 83 I/O 100VQFP      | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PQG160I</a><br>Description: IC FPGA 131 I/O 160QFP     | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A14412-01</a><br>Description: THERM PAD 228.6X228.6MM BLU/VIO | Manufacturers: <a href="#">Laird Technologies - Thermal Products</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PLG84C</a><br>Description: IC FPGA 70 I/O 84PLCC       | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PQG160C</a><br>Description: IC FPGA 131 I/O 160QFP     | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PQ160I</a><br>Description: IC FPGA 131 I/O 160QFP      | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A14414-02</a><br>Description: TFLEX 660,DC1                   | Manufacturers: <a href="#">Laird Technologies - Thermal Products</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-VQ100I</a><br>Description: IC FPGA 83 I/O 100VQFP      | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PL84C</a><br>Description: IC FPGA 70 I/O 84PLCC        | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-TQ176C</a><br>Description: IC FPGA 140 I/O 176TQFP     | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-TQG176C</a><br>Description: IC FPGA 140 I/O 176TQFP    | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-PQ160C</a><br>Description: IC FPGA 131 I/O 160QFP      | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">A1440A-VQG100C</a><br>Description: IC FPGA 83 I/O 100VQFP     | Manufacturers: <a href="#">Microsemi</a>                             | <a href="#">RFQ</a> |

|                                           |                                                     |                                              |                                            |
|-------------------------------------------|-----------------------------------------------------|----------------------------------------------|--------------------------------------------|
| Related keywords for <b>A1440A-TQ176I</b> |                                                     |                                              |                                            |
| Microsemi A1440A-TQ176I                   | A1440A-TQ176I distributor                           | A1440A-TQ176I supplier                       | A1440A-TQ176I price                        |
| A1440A-TQ176I download datasheet          | A1440A-TQ176I datasheet                             | A1440A-TQ176I stock                          | buy A1440A-TQ176I                          |
| Microsemi A1440A-TQ176I                   | Microsemi Analog Mixed Signal Group A1440A-TQ176I   | Microsemi Analog Mixed Signal Group [MIL]    | Microsemi Consumer Medical Product Group   |
| Microsemi HI-REL [MIL] A1440A-TQ176I      | Microsemi Power Management Group A1440A-TQ176I      | Microsemi Power Products Group A1440A-TQ176I | Microsemi SoC A1440A-TQ176I                |
|                                           | Microsemi Commercial Components Group A1440A-TQ176I | Microsemi Corporation A1440A-TQ176I          | Microsemi Solutions Sdn Bhd. A1440A-TQ176I |