

ADC1613D065HN-C1



**Part Number:** [ADC1613D065HN-C1](#)

**Manufacturer:** [IDT \(Integrated Device Technology\)](#)

**Description:** IC ADC 16BIT 2CH 65MSPS 56HVQFN

**Data sheet:**  [ADC1613D Series](#)

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

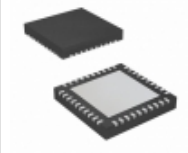
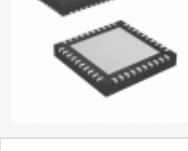
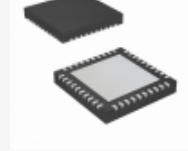
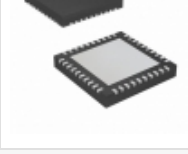
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ADC1613D065HN-C1                              | Manufacturer                     | <a href="#">IDT (Integrated Device Technology)</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC ADC 16BIT 2CH 65MSPS 56HVQFN               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4920 pcs                                      | Data sheet                       | <a href="#">ADC1613D Series</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>     | Voltage - Supply, Digital        | 1.65 V ~ 1.95 V                                                        |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.85 V ~ 3.4 V                                | Supplier Device Package          | 56-VFQFPN (8x8)                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                             | Sampling Rate (Per Second)       | 65M                                                                    |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | External, Internal                            | Ratio - S/H:ADC                  | 1:1                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tray                                          | Package / Case                   | 56-VFQFN Exposed Pad                                                   |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IDTADC1613D065HN-C1<br>IDTADC1613D065HN-C1-ND | Operating Temperature            | -40°C ~ 85°C                                                           |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                             | Number of Bits                   | 16                                                                     |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                    | Input Type                       | Differential, Single Ended                                             |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Simultaneous Sampling                         | Detailed Description             | 16 Bit Analog to Digital Converter 2 Input 2 Pipelined 56-VFQFPN (8x8) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JESD204A                                      | Configuration                    | S/H-ADC                                                                |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pipelined                                     |                                  |                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all IDT (Integrated Device Technology) series electronic components. We have 4920 pieces of IDT (Integrated Device Technology) ADC1613D065HN-C1 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="#">ADC1613D080HN/C1,5</a><br>Description: ADC 16BIT DUAL 80MSPS 56HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D065HN/C1,5</a><br>Description: ADC 16BIT DUAL 65MSPS 56HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125HN/C1,5</a><br>Description: IC ADC 16BIT SRL/SPI 40HVQFN    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S080HN/C1,5</a><br>Description: ADC 16BIT SGL 80MSPS 40HVQFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D080HN-C1</a><br>Description: IC ADC 16BIT 2CH 80MSPS 56HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D080HN-C18</a><br>Description: IC ADC 16BIT 2CH 80MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125F1-DB</a><br>Description: BOARD DEMO FOR ADC1610S12F1       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125F2/DB,598</a><br>Description: BOARD DEMO FOR ADC1610S12F2   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125HN-C18</a><br>Description: ADC 16BIT SGL 125MSPS 40HVQFN    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125HN/C1,5</a><br>Description: ADC 16BIT SGL 125MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D105HN/C1,5</a><br>Description: ADC 16BIT DUAL 105MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S105HN/C1,5</a><br>Description: ADC 16BIT SGL 105MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S105HN/C1,5</a><br>Description: ADC 16BIT SGL 105MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D105HN-C18</a><br>Description: IC ADC 16BIT 2CH 105MSPS 56HVQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D065HN/C1,5</a><br>Description: ADC 16BIT DUAL 65MSPS 56HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D105HN-C1</a><br>Description: IC ADC 16BIT 2CH 105MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D065HN-C18</a><br>Description: IC ADC 16BIT 2CH 65MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125F2-DB</a><br>Description: BOARD DEMO FOR ADC1610S125F2      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1613D080HN/C1,5</a><br>Description: ADC 16BIT DUAL 80MSPS 56HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1610S125HN-C1</a><br>Description: ADC 16BIT SGL 125MSPS 40HVQFN     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |

| Related keywords for ADC1613D065HN-C1 |                                     |                            |                                    |
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|                                       | ADC1613D065HN-C1                    |                            | ADC1613D065HN-C1                   |
| IDT, Integrated Device Technology Inc | Integrated Device Technology (IDT)  |                            |                                    |
| ADC1613D065HN-C1                      | ADC1613D065HN-C1                    |                            |                                    |