

ADC1213D065HN-C18

  
Integrated Device Technology

Part Number: [ADC1213D065HN-C18](#)

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

Description: IC ADC 12BIT 2CH 65NS 56VQFP

Data sheet:  [ADC1213D](#)

RoHs Status: Lead free / RoHS Compliant

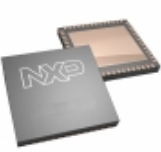
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |                                  |                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ADC1213D065HN-C18                               | Manufacturer                     | <a href="#">IDT (Integrated Device Technology)</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC ADC 12BIT 2CH 65NS 56VQFP                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5475 pcs                                        | Data sheet                       | <a href="#">ADC1213D</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-VQFPN (8x8)                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                               | Sampling Rate (Per Second)       | 65M                                                                   |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | External, Internal                              | Ratio - S/H:ADC                  | 1:1                                                                   |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tape & Reel (TR)                                | Package / Case                   | 56-VQFN Exposed Pad                                                   |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IDTADC1213D065HN-C18<br>IDTADC1213D065HN-C18-ND | Operating Temperature            | -40°C ~ 85°C                                                          |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                                               | Number of Bits                   | 12                                                                    |
| 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             | 12 Bit Analog to Digital Converter 2 Input 2 Pipelined 56-VQFPN (8x8) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | JESD204A                                        | Configuration                    | S/H-ADC                                                               |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pipelined                                       |                                  |                                                                       |
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|  | Part#: <a href="#">ADC12138CIN/NOPB</a><br>Description: IC ADC 12BIT SELF-CALIB 28-DIP   | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080HN-C18</a><br>Description: IC ADC 12BIT 2CH 80NS 56VQFP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D065HN-C1</a><br>Description: IC ADC 12BIT 2CH 65NS 56VQFP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIWM</a><br>Description: IC ADC 12BIT SELF-CALIB 28-SOIC      | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080HN/C1,5</a><br>Description: ADC 12BIT DUAL 80MSPS 56HVQFN  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>        | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080HN/C1,5</a><br>Description: ADC 12BIT DUAL 80MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080HN-C1</a><br>Description: IC ADC 12BIT 2CH 80NS 56VQFP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIWMX/NOPB</a><br>Description: IC ADC 12BIT 28-SOIC           | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIMSAX</a><br>Description: IC ADC 12BIT 28-SSOP               | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080W2-DB</a><br>Description: BOARD DEMO ADC1213D080W2         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIWMX</a><br>Description: IC ADC 12BIT 28-SOIC                | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D065HN/C1,5</a><br>Description: ADC 12BIT DUAL 65MSPS 56HVQFN  | Manufacturers: <a href="#">IDT, Integrated Device Technology Inc</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D080W1-DB</a><br>Description: BOARD DEMO ADC1213D080W1         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIMSAX/NOPB</a><br>Description: IC ADC 12BIT +SIGN 28SSOP     | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIMSAX</a><br>Description: IC ADC 12BIT +SIGN 28SSOP          | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D065W1-DB</a><br>Description: BOARD DEMO ADC1213D065W1         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC12138CIMSAX/NOPB</a><br>Description: IC ADC 12BIT 28-SSOP          | Manufacturers: <a href="#">N/A</a>                                   | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D065HN/C1,5</a><br>Description: ADC 12BIT DUAL 65MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1213D065WO-DB</a><br>Description: BOARD DEMO ADC1213D065WO         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <div>RFQ</div> |

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| IDT, Integrated Device Technology Inc | Integrated Device Technology (IDT)   |                             |                                    |
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