

ADC1613D105HN-C1



Integrated Device Technology

Part Number: [ADC1613D105HN-C1](#)

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

Description: IC ADC 16BIT 2CH 105MSPS 56HVQFN

Data sheet:  [ADC1613D Series](#)

RoHs Status: Lead free / RoHS Compliant

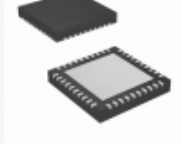
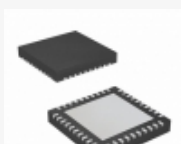
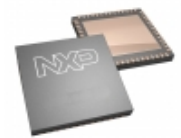
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PRODUCT PARAMETER			
Part Number	ADC1613D105HN-C1	Manufacturer	IDT (Integrated Device Technology)
Description	IC ADC 16BIT 2CH 105MSPS 56HVQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4162 pcs	Data sheet	ADC1613D Series
Category	Integrated Circuits (ICs)	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)	105M
Reference Type	External, Internal	Ratio - S/H:ADC	1:1
Packaging	Tray	Package / Case	56-VFQFN Exposed Pad
Other Names	IDTADC1613D105HN-C1 IDTADC1613D105HN-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		
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RELATED PRODUCTS			
	Part#: ADC1613D065HN-C1 Description: IC ADC 16BIT 2CH 65MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D065HN-C18 Description: IC ADC 16BIT 2CH 65MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D105HN-C18 Description: IC ADC 16BIT 2CH 105MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1610S125HN/C1,5 Description: ADC 16BIT SGL 125MSPS 40HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D065HN/C1,5 Description: ADC 16BIT DUAL 65MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D080HN/C1,5 Description: ADC 16BIT DUAL 80MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125HN-C1 Description: IC ADC 16BIT 2CH 125MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125WO-DB Description: BOARD DEMO FOR ADC1613D125W0	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125HN-C18 Description: IC ADC 16BIT 2CH 125MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D080HN/C1,5 Description: ADC 16BIT DUAL 80MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D105HN/C1,5 Description: ADC 16BIT DUAL 105MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D080HN-C18 Description: IC ADC 16BIT 2CH 80MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S065HN-C1 Description: IC ADC 16BIT 1CH 65MSPS 32HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125HN/C1,5 Description: ADC 16BIT DUAL 125MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D080HN-C1 Description: IC ADC 16BIT 2CH 80MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1610S125HN/C1,5 Description: IC ADC 16BIT SRL/SPI 40HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125HN/C1,5 Description: IC ADC 16BIT SRL/SPI 56HVQFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: ADC1613D125W1-DB Description: BOARD DEMO FOR ADC1613D125W1	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D065HN/C1,5 Description: ADC 16BIT DUAL 65MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D105HN/C1,5 Description: ADC 16BIT DUAL 105MSPS 56HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ

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