

ISL43142IB


A Renesas Company

Part Number: ISL43142IB

Manufacturer: Intersil

Description: IC SWITCH QUAD SPST 16SOIC

Data sheet:  [ISL4314\(0-2\)](#)

RoHs Status: Contains lead / RoHS non-compliant

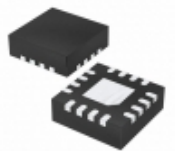
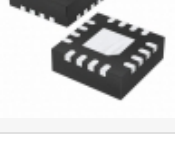
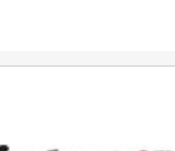
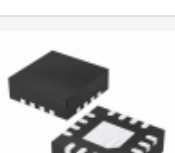
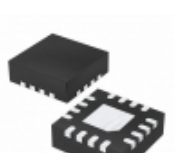
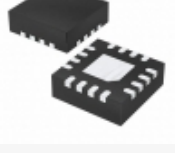
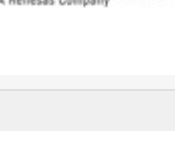
Ship From: Hong Kong

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

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Request For Quotation

PRODUCT PARAMETER			
Part Number	ISL43142IB	Manufacturer	Intersil
Description	IC SWITCH QUAD SPST 16SOIC	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4806 pcs	Data sheet	ISL4314(0-2)
Category	Integrated Circuits (ICs)	Voltage - Supply, Single (V+)	2.7 V ~ 12 V
Voltage - Supply, Dual (V±)	±2.6 V ~ 6 V	Switch Time (Ton, Toff) (Max)	80ns, 30ns
Switch Circuit	SPST - NO/NC	Supplier Device Package	16-SOIC
Series	-	Packaging	Tube
Package / Case	16-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C (TA)
On-State Resistance (Max)	65 Ohm	Number of Circuits	4
Multiplexer/Demultiplexer Circuit	1:1	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Detailed Description	4 Circuit IC Switch 1:1 65 Ohm 16-SOIC
Current - Leakage (IS(off)) (Max)	1nA	Crosstalk	-90dB @ 100kHz
Charge Injection	1pC	Channel-to-Channel Matching (ΔRon)	2 Ohm
Channel Capacitance (CS(off), CD(off))	7pF, 7pF	Base Part Number	ISL43142
-3db Bandwidth	-		
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RELATED PRODUCTS			
	Part#: ISL43141IRZ Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
	Part#: ISL43141IV Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43142IV Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43142IRZ-T Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
	Part#: ISL43141IV-T Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43142IBZ Description: IC SWITCH QUAD SPST 16SOIC	Manufacturers: Intersil	RFQ
	Part#: ISL43141IRZ-T Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
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	Part#: ISL43141WR5435 Description: IC ANALOG SWITCH QUAD SMD	Manufacturers: Intersil	RFQ
	Part#: ISL43141IVZ Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43142IRZ Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
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	Part#: ISL43142IB-T Description: IC SWITCH QUAD SPST 16SOIC	Manufacturers: Intersil	RFQ
	Part#: ISL43141IVZ-T Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43142IR-T Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
	Part#: ISL43142IV-T Description: IC SWITCH QUAD SPST 16TSSOP	Manufacturers: Intersil	RFQ
	Part#: ISL43141IR-T Description: IC SWITCH QUAD SPST 16QFN	Manufacturers: Intersil	RFQ
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