



SI8605AC-B-IS1 Information

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For Reference Only

Part Number SI8605AC-B-IS1
Manufacturer Silicon Labs
Category Isolators

Digital Isolators

Description DGTL ISO 3.75KV 4CH I2C 16SOIC **Package** 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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SI8605AC-B-IS1 Specifications

Manufacturer Part Number \$18605AC-B-IS1 Manufacturer Silicon Labs Category Isolators Package 16-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type 12C Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/3 Channel Type Bidirectional, Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/µs Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3 V ~ 5.5 V Operating Temperature 40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC		
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Series Automotive, AEC-Q100 Technology Capacitive Coupling Type I2C Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/3 Channel Type Bidirectional, Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/μs Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC		Digital Isolators
Technology Capacitive Coupling Type 12C Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/3 Channel Type Bidirectional, Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/μs Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
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Isolated Power Number of Channels 4 Inputs - Side 1/Side 2 3/3 Channel Type Bidirectional, Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/μs Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Technology	Capacitive Coupling
Number of Channels4Inputs - Side 1/Side 23/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Type	12C
Inputs - Side 1/Side 23/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel TypeBidirectional, UnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Number of Channels	4
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Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	3750Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	35kV/μs
Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Data Rate	-
Rise / Fall Time (Typ) - Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC $(0.154^{\circ}\text{H}, 3.90\text{mm Width})$ Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC}\ (0.154\text{", }3.90\text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	-
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	-
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

SI8605AC-B-IS1 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

SI8605AC-B-IS1 Payment Methods



















SI8605AC-B-IS1 Shipping Methods













If you have any question about SI8605AC-B-IS1, please do not hesitate to contact us!

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