

## SI8405AA-A-IS1

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#### SI8405AA-A-IS1 Information

	Part Number	SI8405AA-A-IS1
www.heisener.co.pl	Manufacturer	Silicon Labs
	Category	Isolators Digital Isolators
	Description	DGTL ISOLATOR 1KV 4CH I2C 16SOIC
- 6 -	Package	16-SOIC (0.154", 3.90mm Width)
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## SI8405AA-A-IS1 Specifications

Manufacturer Part NumberSI8405AA-AIS1Manufacturer QSilicion LabsCategoryIsolatorsDigital IsolatorsDigital IsolatorsPackageIo-SOIC (0.154°, 3.90mm Width)Series-TechnologyCapacitive CouplingTypeIo-Sol (2000)Isolated PowerNoNumber of Channels4Number of ChannelsJ3/3Chanel TypeBidirectional, UnidirectionalVoltage - Isolation000VrmsCommon Mode runsient Immunity (Min)St&Vijk (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)J4 ~ 5.5 VVoltage - SupplyJ6 ~ 5.5 VOperating Temperature40°C ~ 125°CPackage / CaseIn 6.50IC (0.154°, 3.90mm Width)Supplier Device PackageIn 6.50ICSupplier Device PackageIn 6.50IC		
CategoryIsolatorsPackage16-SOIC (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingTypeI2CNumber of ChannelsNoNumber of Channels3/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation25kV/µs(Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Propagation Delay tpLH / tpHL (Max)-Nusher Supply3V ~ 5.5 VOrding Temperature-40°C ~ 125°CPackage / CaseI6-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	SI8405AA-A-IS1
Digital IsolatorsPackage16-SOIC (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingType12CIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation000VrmsCommon Mode Transient Immunity (Min)25kV/µs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Propagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)3 V ~ 5.5 VOtage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)	Manufacturer	Silicon Labs
Package16-SOIC (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingTypeI2CSolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/3Chanel TypeBidirectional, UnidirectionalVoltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25KV/µs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Neise / Fall Time (Typ)3V - 5.5 VVoltage - Supply3V - 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)	Category	Isolators
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Number of Channels4Inputs - Side 1/Side 23/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25kV/µs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)	Туре	I2C
Inputs - Side 1/Side 23/3Channel TypeBidirectional, UnidirectionalVoltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25kV/µs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Propagation Delay tpLH / tpHL (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
ABidrectional, UnidirectionalChannel TypeBidrectional, UnidirectionalVoltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25kV/µs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)	Number of Channels	4
Voltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25kV/µs (Typ)Data 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	Inputs - Side 1/Side 2	3/3
Common Mode Transient Immunity (Min) 25kV/µs (Typ)   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)	Channel Type	Bidirectional, Unidirectional
Data 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	Voltage - Isolation	1000Vrms
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	Common Mode Transient Immunity (Min)	25kV/µs (Typ)
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	Data Rate	-
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	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Pulse Width Distortion (Max)	-
Operating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Rise / Fall Time (Typ)	-
Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-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?

#### SI8405AA-A-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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## SI8405AA-A-IS1 Payment Methods



### SI8405AA-A-IS1 Shipping Methods



If you have any question about SI8405AA-A-IS1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com