

SI8384PS-IU

SI8384PS-IU Information



Part Number	SI8384PS-IU	
Manufacturer	Silicon Labs	
Category	Isolators Digital Isolators	
Description	DGTL ISO 2.5KV 8CH 20QSOP	
Package	20-SSOP (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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For Reference Only

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.



SI8384PS-IU Specifications

Manufacturer Part NumberSI8384PS-IUManufacturer AutometSicion LabsCategoryIsolatorsDackageJogital IsolatorsPackage20-SSOP (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingTypeGeneral PurposeIsolator PowerNoNumber of Channels8Inguer Side J/Side 2Width DistortionVoltage - IsolationSidovernaCommon Modernamient Immunity (Min)SidovernaData RateSubstrainPropagation Delayt pLH / tpHL (Max)SidovernaPackage Julient CitypeJong SidovernaVoltage - SubplySidovernaVoltage - SubplySidovernaPackage CaseSidovernaPicture Terrer SidovernaSidovernaPicture Terrer Sidoverna	•	
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Digital IsolatorsPackage20-SSOP (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels8Inputs - Side 1/Side 28/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Data Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature40°C ~ 125°CPackage / Case20-QSOP	Manufacturer	Silicon Labs
Package20-SSOP (0.154", 3.90mm Width)Series-TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels8Inputs - Side 1/Side 28/0Chanel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Deta Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Puse Width Distortion (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-QSOPSupplier Device Package20-QSOP	Category	Isolators
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Isolated PowerNoNumber of Channels8Inputs - Side 1/Side 28/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Data Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature4.0°C ~ 125°CPackage / Case20-QSOP (0.154", 3.90mm Width)	Technology	Capacitive Coupling
Number of Channels8Number of Channel Side 1/Side 28/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Data Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Progagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply-205 V Operating Temperature-40°C ~ 125°CPackage / Case20.SSOP (0.154", 3.90mm Width)Supplier Device Package20.QSOP	Туре	General Purpose
Inputs - Side 1/Side 28/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Data Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Propagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)3/9ns, 3.7nsVoltage - Supply-225 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Isolated Power	No
Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) - Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3.9ns, 3.7ns Voltage - Supply -25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Supplier Device Package 20-QSOP	Number of Channels	8
Yoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)-Data Rate2MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Inputs - Side 1/Side 2	8/0
Common Mode Transient Immunity (Min) - Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 39ns, 3.7ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 20-SSOP (0.154", 3.90mm Width) Supplier Device Package 20-QSOP	Channel Type	Unidirectional
Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3.9ns, 3.7ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 20-SSOP (0.154", 3.90mm Width) Supplier Device Package 20-QSOP	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3.9ns, 3.7ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 20-SSOP (0.154", 3.90mm Width) Supplier Device Package 20-QSOP	Common Mode Transient Immunity (Min)	-
Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Data Rate	2Mbps
Rise / Fall Time (Typ)3.9ns, 3.7nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Pulse Width Distortion (Max)	-
Operating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Rise / Fall Time (Typ)	3.9ns, 3.7ns
Package / Case20-SSOP (0.154", 3.90mm Width)Supplier Device Package20-QSOP	Voltage - Supply	2.25 V ~ 5.5 V
Supplier Device Package 20-QSOP	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$
	Package / Case	20-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	20-QSOP
		Report errors?

SI8384PS-IU 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.

SI8384PS-IU Payment Methods





If you have any question about SI8384PS-IU, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com