

SI8382PS-IU

SI8382PS-IU Information



Part Number	SI8382PS-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



Request a Quote

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.



SI8382PS-IU Specifications

Manufacturer Part NumberSI8382PS-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 - SubplyJong SidovernaVoltage - SubplySidovernaPackage CaseSidovernaPackage (CaseSidovernaSidovernaSidovernaSidovernaSidovernaCommon Modernamient Immunity (Min)SidovernaSidovernaSidovernaPropagation Delayt pLH / tpHL (Max)SidovernaSi	•	
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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
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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
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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
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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?

SI8382PS-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 EUARANTEE

Service Guarantees

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

SI8382PS-IU Payment Methods



SI8382PS-IU Shipping Methods



If you have any question about SI8382PS-IU, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com