



ISO7340FCQDWQ1 Information



For Reference Only

Part Number ISO7340FCQDWQ1
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DGTL ISO 3KV 4CH GEN PURP 16SOIC

Package 16-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









ISO7340FCQDWQ1 Specifications

Manufacturer Part Number ISO7340FCQDWQ1 Manufacturer Texas Instruments Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 88ns, 88ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature 40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature 40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer Part Number	ISO7340FCQDWQ1
Package 16-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer	Texas Instruments
Package 16-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Category	Isolators
SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate25MbpsPropagation Delay tpLH / tpHL (Max)58ns, 58nsPulse Width Distortion (Max)4nsRise / Fall Time (Typ)2.1ns, 1.7nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC		Digital Isolators
Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	Automotive, AEC-Q100
Isolated Power Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC No Voltage - Solic No 4 4 4 4 4 4 4 4 4 4 4 4 4	Technology	Capacitive Coupling
Number of Channels4Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate25MbpsPropagation Delay tpLH / tpHL (Max)58ns, 58nsPulse Width Distortion (Max)4nsRise / Fall Time (Typ)2.1ns, 1.7nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Type	General Purpose
Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate25MbpsPropagation Delay tpLH / tpHL (Max)58ns, 58nsPulse Width Distortion (Max)4nsRise / Fall Time (Typ)2.1ns, 1.7nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel Type Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	4/0
Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 58ns, 58ns Pulse Width Distortion (Max) 4ns Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	3000Vrms
Propagation Delay tpLH / tpHL (Max) S8ns, 58ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.1ns, 1.7ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Data Rate	25Mbps
Rise / Fall Time (Typ) $2.1 \text{ns}, 1.7 \text{ns}$ 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 (0.295° , 7.50mm Width)Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	58ns, 58ns
Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC}\ (0.295'', 7.50\text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	4ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	2.1ns, 1.7ns
Package / Case 16-SOIC (0.295", 7.50mm 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 (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISO7340FCQDWQ1 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.

ISO7340FCQDWQ1 Payment Methods



















ISO7340FCQDWQ1 Shipping Methods













If you have any question about ISO7340FCQDWQ1, please do not hesitate to contact us!

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