

**SI8642EC-B-IS1 Information**


For Reference Only

**Part Number** [SI8642EC-B-IS1](#)  
**Manufacturer** Silicon Labs  
**Category** Isolators  
[Digital Isolators](#)  
**Description** DGTL ISO 3.75KV GEN PURP 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](mailto: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.


**SI8642EC-B-IS1 Specifications**

Manufacturer Part Number	<a href="#">SI8642EC-B-IS1</a>
Manufacturer	Silicon Labs
Category	Isolators <a href="#">Digital Isolators</a>
Package	16-SOIC (0.154", 3.90mm Width)
Series	Automotive, AEC-Q100
Technology	Capacitive Coupling
Type	General Purpose
Isolated Power	No
Number of Channels	4
Inputs - Side 1/Side 2	2/2
Channel Type	Unidirectional
Voltage - Isolation	3750Vrms
Common Mode Transient Immunity (Min)	35kV/μs
Data Rate	150Mbps
Propagation Delay tpLH / tpHL (Max)	13ns, 13ns
Pulse Width Distortion (Max)	4.5ns
Rise / Fall Time (Typ)	2.5ns, 2.5ns
Voltage - Supply	2.5 V ~ 5.5 V
Operating Temperature	-40°C ~ 125°C
Package / Case	16-SOIC (0.154", 3.90mm Width)
Supplier Device Package	16-SOIC

[Report errors?](#)

## SI8642EC-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.

## SI8642EC-B-IS1 Payment Methods



## SI8642EC-B-IS1 Shipping Methods



If you have any question about SI8642EC-B-IS1, please do not hesitate to contact us!

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