

## Product Brief

# ISOFACE™

## Complete and EMI-tested Reference Design

Factory automation systems have to meet IEC 61131-2 requirements both in terms of input and output characteristics, as well as in isolation robustness. Most of these systems are deployed in very harsh environments and therefore have to withstand extreme EMI disturbances (surge, burst, RF for zone C in accordance with IEC 61131-2).

The EMI-tested ISOFACE™ Reference Design is a complete and proven template for your product design. It can significantly shorten your product development time:

- Layout proposal which meets IEC 61131-2 (zone C) requirements
- Optimized bill-of-materials
- Example firmware

### Key Features

- Integrated galvanic isolation
- 8 input and 8 output channels
- Programmable input filters
- Inductive load switching
- Diagnostic feedback

### Key Benefits

- Robust and reliable
- Compact system solution
- Superior EMI robustness
- Lower system cost
- System status feedback
- Valuable maintenance support

### Applications

- Programmable Logic Controllers
- Distributed Control Systems
- Sensor Input Modules
- General Control Equipment



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### Key Components

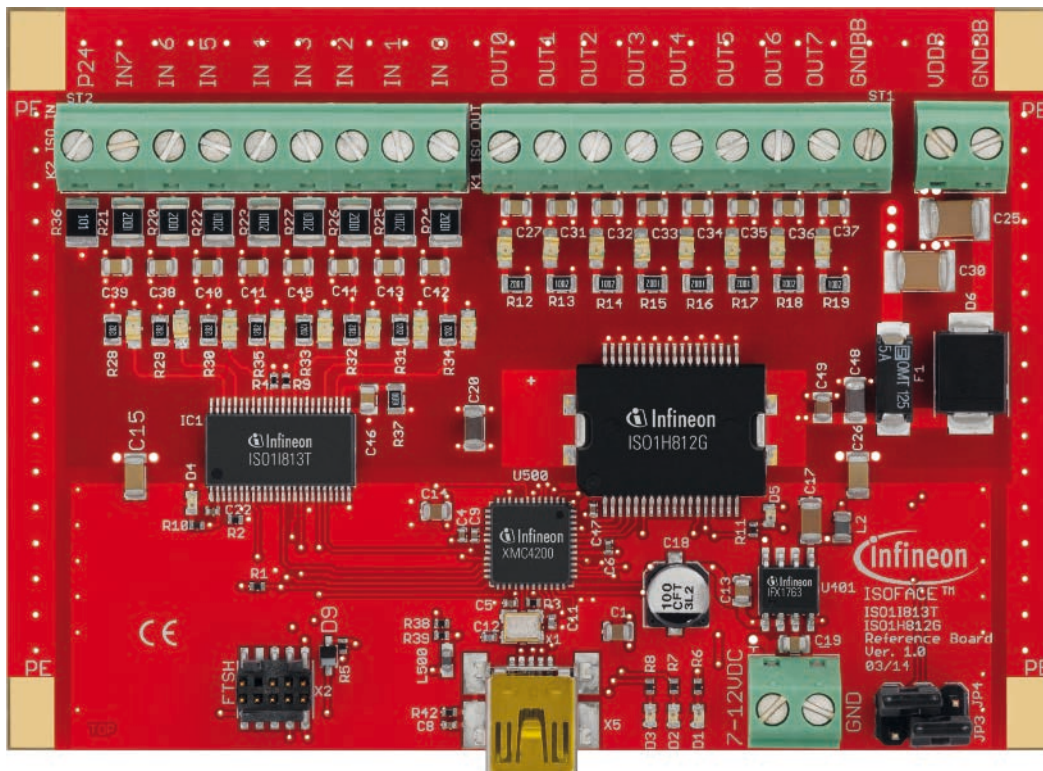
- ISO1I813T: Isolated 8-channel digital input IC
- ISO1H812G: Isolated 8-channel high-side switch IC

### Application Note

- User guide
- PCB description
- PCB layout
- List-of-material
- Measurement report
- Example firmware

to down-load from [www.infineon.com/isoface](http://www.infineon.com/isoface)

Ordering code: SP001283194



Published by  
Infineon Technologies AG  
85579 Neubiberg, Germany

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Order Number: B121-10037-V1-7600-EU-EC-P  
Date: 10/2014

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