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EVAL ISO1H812G

Overview



Description:

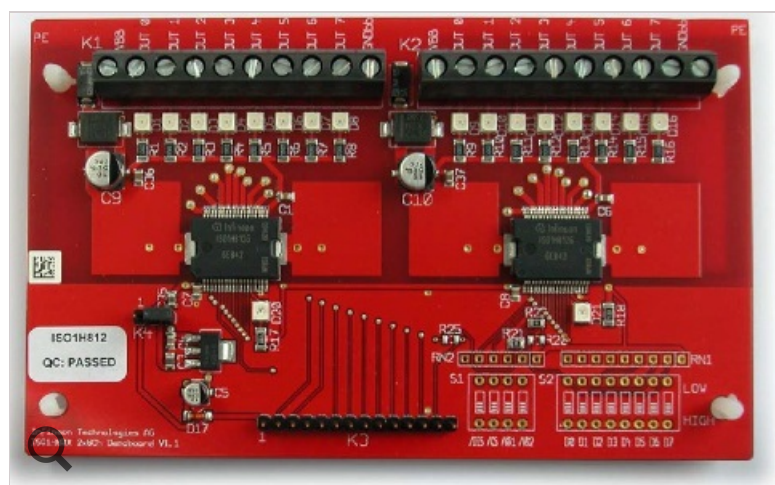
The ISO1H81xG family offers parallel and serial 3.3V/5V μ C-interfaces, facilitating straight forward connection with virtually any μ C, μ P, ASIC or FPGA. The ISO1H81xG products enable OEM-product designs which meet the stringent EMI requirements of the IEC 61131-2 norm (zone C) applicable for Programmable Logical Controllers (PLC).

Summary of Features:

- Robust galvanic isolation (UL508 and EN 611312 certified) to protect the 3.3V/5V control domain of an industrial control system from the harsh 24V (typ.) process side 8channel highside powerswitching capabilities of up to 1.2A per channel
- Active current limitation and over temperature protection
- Common diagnostic feedback for overtemperature and for Vbb undervoltage

Target Applications:

- Programmable Logic Controllers
- Distributed Control Systems
- General Control Equipment
- Robotics
- Solid-State Relay





Documents




+ Expand all

+ Product Brief


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Isolated industrial interface ISOFACE™ digital output ICs (/dgd/Infineon-ProductBrief_ISOFACE_Digital_Output_ICs-PB-v01_02-EN.pdf?fileId=db3a30432e5d3808012e6b4df04e26fe)
> EN (/dgd/Infineon-ProductBrief_ISOFACE_Digital_Output_ICs-PB-v01_02-EN.pdf?fileId=db3a30432e5d3808012e6b4df04e26fe)
01_02 | 2014-01-22 | pdf | 272 KB
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Isolated industrial interface ISOFACE™ EMI tested reference design (/dgd/Infineon-ProductBrief_ISOFACE_Reference_Design-PB-v01_00-EN.pdf?fileId=5546d4624933b8750149568ef1935155)
> EN (/dgd/Infineon-ProductBrief_ISOFACE_Reference_Design-PB-v01_00-EN.pdf?fileId=5546d4624933b8750149568ef1935155)
01_00 | 2014-10-28 | pdf | 949 KB
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Product Brief XMC4300/4800 Microcontroller Series (/dgd/Infineon-ProductBrief_XMC4300_4800_Microcontroller_Series-PB-v01_00-EN.PDF?fileId=5546d462503812bb0150844d05e846c6)
> EN (/dgd/Infineon-ProductBrief_XMC4300_4800_Microcontroller_Series-PB-v01_00-EN.PDF?fileId=5546d462503812bb0150844d05e846c6)
01_00 | 2016-02-08 | PDF | 159 KB

+ Application Notes

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Evaluation board coreless transformer isolated high side switch with ISO1H812G (/dgd/Infineon-Evaluation_board_coreless_transformer_isolated_high_side_switch_with_ISO1H812G-AN-v01_00-EN.pdf?fileId=db3a304326dfb13001271ed079ae4e7c)
> EN (/dgd/Infineon-Evaluation_board_coreless_transformer_isolated_high_side_switch_with_ISO1H812G-AN-v01_00-EN.pdf?fileId=db3a304326dfb13001271ed079ae4e7c)
01_00 | 2010-03-02 | pdf | 360 KB

+ Additional Product Information

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ISOFACE Industrial Automation Overview (/dgd/Infineon-ISOFACE Industrial Automation Poster-AP-v01_00-EN.pdf?fileId=5546d4624d6fc3d5014df6a101a241f1)
> EN (/dgd/Infineon-ISOFACE Industrial Automation Poster-AP-v01_00-EN.pdf?fileId=5546d4624d6fc3d5014df6a101a241f1)
01_00 | 2015-06-15 | pdf | 179 KB

Order

Sales Product Name	EVAL ISO1H812G
OPN	EVALISO1H812GTOB01
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	
Halogen free	
RoHS compliant	yes
Packing Size	1

Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

Support



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First Name*

Last Name*

E-Mail*

Phone

Company*

Company website (URL)

Industry*

Other Industry

Country / Territory*

Preferred Distributor / Reseller*

Other Distributor / Reseller

Product Name*

Estimated annual production volume (pieces) per year*

Please post your technical question as detailed as possible*

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