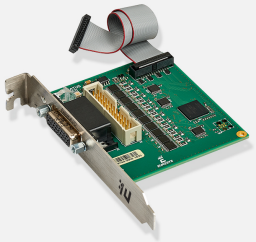
HD26F I/O Extension Module TTL-CMOS5V-RS422

Coaxlink OctoおよびCoaxlink Quad CXP-12用の汎用I/Oモジュール



概要

- 高度な設定が可能
- 最大20 TTL I/Oまたは10 RS-422 I/O
- 高速TTL I/O: 最大1 MHz
- 超高速RS-422 I/O: 最大10 MHz
- CMOS 5V出力レベル

対応分野

電気機器産業向けマシンビジョン
- AOI、3D SPI、3Dリード/ボール検査機器向け高速画像取り込み
- フラットパネルディスプレイ検査および太陽電池検査向けの非常に高い画質のラインスキャン画像の取り込み

一般製造業向けマシンビジョン
- 検査装置用の高フレームレートの画像取り込み
- 表面検査装置用のラインスキャン画像取り込み
- 繊維検査装置用のラインスキャン画像取り込み

印刷産業向けマシンビジョン
- 印刷検査装置用の高速ラインスキャン画像取り込み

ビデオの取り込みと録画
- 動作分析および録画のための高フレームレートビデオ取り込み

仕様

Mechanical

Format	Standard profile PC card

Connectors	• ' EXTERNAL I/O' on bracket: – 26-pin 3-row high-density female sub-D connector – I/O lines and power output • 'INTERNAL I/O' on PCB: – 26-pin 2-row 0.1" pitch IDC female connector – I/O lines and power output • 'I/O EXTENSION' on PCB – 26-pin 2-row 0.05" pitch IDC female connector – I/O control, data and power
LED indicators	• "ACTIVITY LED's" on bracket – Two bicolor red and green LED's – Activity on input and output ports respectively • "STATUS LED" on PCB – Bicolor red and green LED's – Power status – I/O EXTENSION link status
Dimensions	• PCB L x H: 80 mm x 74 mm , 3.15 in x 2.9 in • Cable length: 150 mm, 5.9 in

General Purpose Inputs and Outputs

Number of lines	Configurable mix of 4 types of I/O ports • Up to 20 TTL inputs • Up to 20 5V CMOS outputs • Up to 10 RS-422 inputs • Up to 10 RS-422 outputs
Usage	• Any I/O input lines can be used by any LIN tool of the I/O Toolbox • Selected pairs of I/O input lines can be used by any QDC tool of the I/O toolbox to decode A/B signals of a motion encoder
Electrical specifications	• TTL inputs: High-speed 5V-compliant TTL inputs compatible with totem-pole LVTTL, TTL, 5V CMOS drivers • 5V CMOS outputs: High-speed 5 V CMOS outputs compatible with 5V CMOS and 5V TTL receivers • RS-422 inputs: High-speed differential inputs compatible with ANSI/EIA/TIA-422 differential line drivers • RS-422 outputs: High-speed differential inputs compatible with ANSI/EIA/TIA-422 differential line receivers
Power output	Non-isolated, +12V, 1A delivered by the Coaxlink card though the I/O EXTENSION cable

Electrical

Supply voltage	12 V DC delivered by the Coaxlink card through the I/O EXTENSION cable
Power consumption	Max. 5 W (excluding 12 V POWER output)

Environmental conditions

Operating ambient air temperature	0 to +55 °C / +32 to +131 °F
Operating ambient air humidity	10 to 90% RH non-condensing
Storage ambient air temperature	-20 to +70 °C/ -4 to +158 °F
Storage ambient air humidity	10% to 90% RH non-condensing

Certifications

EMC - Immunity	• EN 55024:2010 / CISPR 24:2010 • EN 55035:2017 / CISPR 35:2016 • EN 61000-4-2:2009 • EN 61000-4-3:2006 • EN 61000-4-4:2004 • EN 61000-4-6:2014
KC Certification	Korean Radio Waves Act, Article 58-2, Clause 3
RoHS	European Union Directive 2015/863 (ROHS3)
REACH	European Union Regulation 1907/2006
WEEE	Must be disposed of separately from normal household waste and must be recycled according to local regulations

Ordering Information

Product code - Description	• 3612 - HD26F I/O Extension Module TTL-CMOS5V-RS422

EMEA

Euresys SA

Liège Science Park - Rue du Bois Saint-Jean, 20
4102 Seraing - Belgium

Phone: +32 4 367 72 88
Email: sales.europe@euresys.com

EMEA

Sensor to Image GmbH

Lechtorstrasse 20 -
86956 Schongau - Germany

Phone: +49 8861 2369 0
Email: sales.europe@euresys.com

AMERICA

Euresys Inc.

27132-A Paseo Espada - Suite 421
San Juan Capistrano, CA 92675 - United States

Phone: +1 949 743 0612
Email: sales.americas@euresys.com

ASIA

Euresys Pte. Ltd.

750A Chai Chee Road - #07-15 ESR BizPark @ Chai Chee
Singapore 469001 - Singapore

Phone: +65 6445 4800
Email: sales.asia@euresys.com

CHINA

Euresys Shanghai Liaison Office

Unit 802, Tower B, Greenland The Center - No.500 Yunjin Road, Xuhui District
200232 Shanghai - China
Euresys上海联络处
上海市徐汇区云锦路500号绿地汇中心B座802室
200232

Phone: +86 21 33686220
Email: sales.china@euresys.com

CHINA

Euresys Shenzhen Liaison Office

Room 1202 - Chinese Overseas Scholars Venture Building
518057 Shenzen - China
Euresys深圳联络处
深圳南山区留学生创业大厦1期1202
518057

Phone: +86 755 86506902
Email: sales.china@euresys.com

JAPAN

Euresys Japan K.K.

Expert Office Shinyokohama - Nisso Dai 18 Building, Shinyokohama 3-7-18, Kohoku
Yokohama 222-0033 - Japan
〒222-0033
神奈川県横浜市港北区新横浜3-7-18 日総第18ビル　エキスパートオフィス新横浜

Phone: +81 45 594 7259

Email: sales.japan@euresys.com

More at www.euresys.com

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