

MECHATROLINK News brings the latest MECHATROLINK information to our members.

MECHATROLINK-III Slave ASICs

Launch of Low-priced Slave ASICs

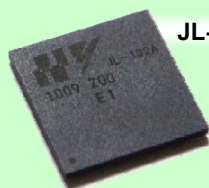
The MECHATROLINK Members Association (MMA) announced the launch of low-cost slave ASICs compatible with MECHATROLINK-III on July 20.

The new ASICs are priced much lower than the master/slave ASIC by removing the master functions. The pins of FBGA package JL-102A are compatible with the master/slave JL-100, which allows an easy replacement without any modification.

These low-priced slave ASICs reduce cost for MECHATROLINK-III slave products, which can lead to acceleration of development of MECHATROLINK-III slave products.

MECHATROLINK-III slave ASIC sample kits are also available. Each kit contains five sets of main components used in the physical layer for trial development.

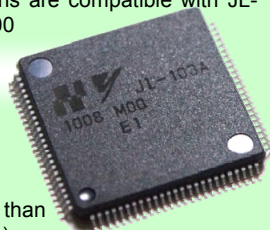
MECHATROLINK-III Slave ASICs



JL-102A (Fine-pitch Ball Grid Array (FBGA))

Package: 144-pin FBGA package
Dimensions: 12 x 12 mm
Heat resistance: 43°C/w (0m/s)
Others: Pins are compatible with JL-100

JL-103A (Low-profile Quad Flat Package (LQFP))



Package: 100-pin LQFP
Dimensions: 14 x 14 mm
Heat resistance: 46°C/w (0m/s)
Others: Requires less space than JL101 (LQFP, 20 x 20 mm)

Inquiries: YASKAWA ELECTRIC CORPORATION, Tokyo Office
East Sales Dept., Motion Control Div.
Tel: +81-3-5402-4503

MECHATROLINK-III Slave ASIC Sample Kit

Model: JEPMC-OPM3SK-3-E (for JL-102A)
JEPMC-OPM3SK-4-E (for JL-103A)

Contents:	Item	Model	Qty
	ASIC	JL-102A or JL-103A	5
	Pulse transformer	H1102NL	10
	Filter	BLM21BB201SN1D	40
	PHY	DP38349IVS	5
	Connector	1981386-1	10

Inquiries: YASKAWA CONTROLS CO., LTD.
East Sales Dept.
Tel: +81-3-3263-5611

2010 Taipei International Automation Technology Exhibition Report

The MMA participated in the Taipei International Automation Technology Exhibition, held in the Nangang Exhibition Hall at the Taipei World Trade Center (TWTC) from Aug. 4 (Wed) to 7 (Sat), 2010. The MMA shared a booth with the YASKAWA ELECTRIC TAIWAN CORPORATION to promote MECHATROLINK to the Taiwanese market.

Demonstrations of MECHATROLINK-II and -III compatible products by MMA members, displays of those by Taiwanese manufacturers, and presentation of gantry stages controlled via MECHATROLINK were so well received that our booth had more than 1300 visitors.



MMA booth

The following companies exhibited their products.

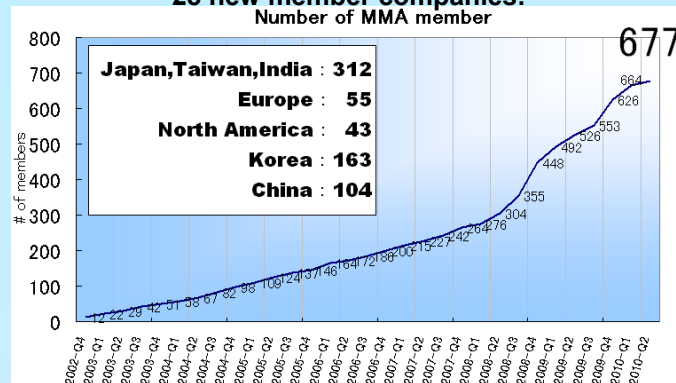
- ANYWIRE CORPORATION
- Art Control Systems, Inc.
- Digital Electronics Corp.
- LNC Technology Co., Ltd.
- ORIENTAL MOTOR CO., LTD.
- Sankyo Seisakusho Co.
- TIETECH CO., LTD.
- TOKYO ELECTRON DEVICE LTD.
- YASKAWA ELECTRIC CORP.
- YOKOGAWA ELECTRIC CORP.

A MECHATROLINK seminar was held on Aug. 5, and about 40 people attended. The seminar included a technical introduction of MECHATROLINK and a demonstration of how software can be created for synchronized control.

Because MECHATROLINK was also used in demonstrations in some other booths, we expect further development of MECHATROLINK in the Taiwanese market.

Increase in MMA Members

649 companies (May., 2010) ⇒
677 companies (Jul, 2010)
28 new member companies!



2010 Annual General Meeting Report

The MECHATROLINK Members Association general meeting was held at Mita NN Hall in Tokyo, on Friday, June 18, 2010. Despite the typically overcast rainy season, the meeting was a success with a large turnout.

The meeting started with a welcome speech by Hiroshi Ogasawara, the President of the Executive Committee of the MMA. Takeshi Tanaka, the General Secretary of the MMA, then reported on the activities of FY 2009 and activity plans for FY 2010. This was followed by a FY 2009 financial report by the MMA Secretariat. Thereafter, the Marketing group reported on the publication of compiled application examples and the technological exchanges conducted by the customer visit program.

Lectures by two guest speakers followed the general meeting. The first



Mr. Tomofumi Amano

Associate Professor at the University of Tokyo

Takehiro Nakayama from Sankyo Seisakusho Co. In his speech titled "Integrated System for Drug Testing and Its Market Trends," he gave a detailed explanation including many examples and features.

After the lectures, five MMA member companies introduced their new



Reception

Finally, the future plans for MECHATROLINK were presented, which completed the general meeting and the lectures.

Thereafter, the reception was held and a friendly and informal exchange was promoted between the participating members.

The MMA will continue to promote activities in the pursuit of making MECHATROLINK a standard network.

New MECHATROLINK Products

YASKAWA ELECTRIC CORPORATION

Pulse Transformer for MECHATROLINK-II

The designated manufacturer of the pulse transformer for the MECHATROLINK-II has changed from an overseas to a domestic Japanese manufacturer to ensure continuity and the stable supply of this component. For the time being, both previous and new components are available. However, we strongly recommend changing to the new components for the advantages including lower price.

New component model: T202004ND

Price: 350 JPY/pc (Previous component: 400 JPY/pc)

Lot: 300 pieces/lot

Inquiries: YASKAWA ELECTRIC CORPORATION

Tokyo Office: 8F New Pier Takeshiba South Tower, 1-16-1 Kaigan, Minato-ku, Tokyo, Japan (Tel: +81-3-5402-4502)

Osaka Office: 4F Shin-Fujita Bldg., 2-4-27 Doujima, Kita-ku, Osaka, Japan (Tel: +81-6-6346-4555)

KYOEI ELECTRIC CO., LTD.

MECHATROLINK Compatible Slip Ring

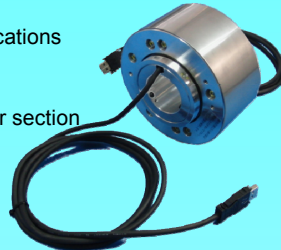
Model: SRC120-ML II

Features:

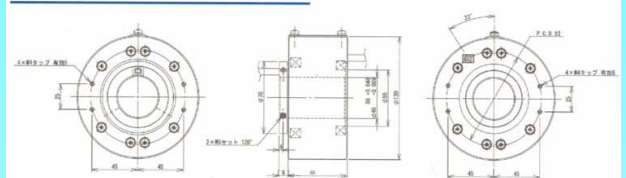
- High-performance slip ring to smoothly transmit MECHATROLINK data from a stationary device to a rotating device
- Possible to package with a power supply such as motor power supply
- Compliant with RoHS directive

Specifications:

Item	Electrical Specifications
Voltage	24 VDC, 200V
Allowable current	10 A max. for signals/communications
Insulation resistance	50 MΩ (500 V) min.
Dielectric strength	1500 V/min. at power section
Allowable rotation speed	300 rpm
Operation life	3,000,000 rotations



寸法図



Inquiries: KYOEI ELECTRIC CO., LTD.

2-4-3 Oshima, Toyonaka-shi, Osaka, Japan

Tel: +81-6-6336-6161

New MMA Members

Automation Department of Tsinghua University, BlueBay Automation, E.C.S.Sistemi Elettronici S.p.A., Himawari Corporation, IMS-Mechatronics Laboratory of the University of California at Devis, Johokubo, Inc., Leetro Automation Co., Ltd., Nichigoh Communication Electric Wire Co., Ltd., Peitian (Anhui) Electronic Technology Co., Ltd. Beijing R & D Center, Texas Instruments Inc., Xilinx, Inc.
(Only those companies that gave us permission for disclosure are listed here.)

Future Events

Nov. 17 to 19, 2010: MOF2010

Dec. 1 to 3, 2010: SEMICON JAPAN 2010

Inquiries:

For questions about joining the MECHATROLINK Members Association and other inquiries, please contact the MMA.

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