



FTB for narrow-pitch BGA (page 41)

IN FOCUS

Nichicon Ramps up Production for Emerging, Core Markets 16

Bracing for Future Growth, Nichicon Embodies Global Stature 17

SHOW PREVIEW

electronicAsia 2010

electronicAsia Stands Ground as Key Sourcing Hub 18

NEPCON SOUTH CHINA SPECIAL

Heightened Production to Depict Mood in Manufacturing Event in China 19

Fuji Machine Mfg. Co., Ltd. 20

Sony Manufacturing Systems Corp. 22

Yamaha Motor Co., Ltd. 24

JUKI Corporation 26

Japan Unix Co., Ltd. 28

Tamura Corporation 30

Saki Corporation 32

Panasonic Factory Solutions Co., Ltd. 34

SPECIAL REPORT

High Frequency Components

Mobile Component Creation Tunes in to High Frequencies 35

SAW Devices by Murata Keep Eye on Mobile Phone Trends 36

Ethernet Pulse Transformer Takes out Noise of LAN Interface 38

TECHNOLOGY FOCUS

Novel Techniques Resolve Production Issues of Narrow-Pitch FTBs 40

Innovations Shape Saki's Inline 3D X-Ray Inspection System 42

To Stabilize LED Output, TOWA Pursues Compression Mold Technique 44

ULVAC Adopts Dry Etching Systems for LED Mass Production 46

MOCVD Machine Offers Versatile Process for Bright LEDs 49

COMPONENT MATERIALS 51

MANUFACTURING FRONT

SIPLACE Software Stabilizes Production with Automated Control Functions 53

TEST AND MEASUREMENTS 54

INDUSTRY REPORT

Japanese Vendors Bet on R&D to Define New Components, Business 60

DEPARTMENTS

	AEI News	8
	Techwatch	12
	Business Strategy	58
	Product News	64

ASIA ELECTRONICS INDUSTRY (ISSN 1342-422X) is published monthly by Dempa Publications, Inc., 1-11-15 Higashi Gotanda, Shinagawa-ku, Tokyo 141-8715, Japan Tel: +81-3-3445-6111 Fax: +81-3-3447-4666. Editorial e-mail: may@dempa.co.jp.; Subscription e-mail: circmnl@pltdsl.net. The magazine is distributed free to qualified subscribers in ASEAN countries (Thailand, Indonesia, The Philippines, Malaysia, Singapore, Brunei, Vietnam, Myanmar, Cambodia and Laos), as well as Korea, Taiwan and Hong Kong.

Paid air mail subscription is available to non-qualified subscribers in the Asian and Pacific regions for US\$150 per year and US\$260 for two years. For other areas, air mail subscription fees are US\$160 per year and US\$280 for two years. Paid subscription is accepted at <http://aei.dempa.net/paidsub/subscription.html>

Send address corrections to Dempa Publications, Inc., c/o Quantum Solutions (HK) Ltd. Unit 3-6, G/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong

Hong Kong: Dempa Representative Office, c/o Kenneth So, Sales Manager, Room 2202C, 22/F, Nan Fung Centre, Tsuen Wan, Hong Kong, Tel: +852 6906-8708

Taiwan: International Dempa Trade Co., Ltd., 7F-1, No. 36, Nanking W. Rd., Taipei, Taiwan, Tel: +886-2-2558-1817 Fax: +886-2-2555-6428

Korea: Dempa Publications, Seoul Office, Masters Tower, Room 1404, 553 Dohwa-dong, Mapo-ku, Seoul, Korea, 121-040, Tel: +82-2-714-2983 Fax: +82-2-714-2984, Sinsegi Media Inc., Choongmoo Bldg. Room 1102, 44-13, Yoido-dong, Youngdungpo-gu, Seoul, Korea, 150-890, Tel: +82-2-785-8222

Fax: 82-2-785-8225 **Philippines:** Dempa Publications, Inc. - Regional Headquarters, Herrera Tower, Room 2510, 98 V.A. Rufino Street, Salcedo Village, Makati City, Philippines, Tel: +63-2-845-0906 Fax: +63-2-845-1829

President & Publisher: Tetsuo Hirayama

Copyright © 2010 by Dempa Publications, Inc.

All rights reserved. The contents of this magazine may not be reproduced in whole or in part without the prior permission of the copyright owner. Printed in Hong Kong.