



## SPECIAL REPORT

### Electronic Devices and Technologies to Watch

Flurry of New Applications Take Shape as Technologies Advance	18
Alps Electric's Capacitive Input Devices Suit Today's Digital Sets	20
NEC TOKIN Heightens Capacity, Output of Laminated Cells	26

## TECHNOLOGY FOCUS

Murata's Ceramic Resonators Stand to Wide Frequency Range	29
TDK Enhances Inductor Characteristics as Devices Grow Smaller	31
Tamura's Latest Lineup Complies With High-Density, Lead-Free Soldering	33

## CHIP & DEVICE TRENDS '08

NXP Emphasizes Versatility, Performance in 2008 Platforms	36
Xilinx Pits 'Optimized' Silicon Against 2008 Design Challenges	37
Silicon Image Puts Own Spin on Mobile, Home Entertainment	38
Analog Devices Puts the Moves on Movement, Mobility in 2008	39
Realtek Focuses on Single-Chip, Comprehensive Solutions	40
DS2 Adopts Stealth Strategy for 400Mbps Powerline Technology	41

## TOP INTERVIEW

Hitachi Executive Stays Upbeat, Spells Out Strategies for Optimistic Year	43
Strategic Products, Global Customer Support Form Core of SMSC's Annual Plan	44

## SMTs: IN REVIEW

SIPLACE Model Elevates Placement Speed, Exceeds IPC Requisite	46
Asahi Kasei Bolsters Dry Film Production Capacity of China Plant	46
Fujifilm Strengthens Digital Exposure Systems Business, Ties up With Adtec	47
Tape Feeder Alleviates Work Load, Production Space	47
Tamura Parades Portfolio of Soldering System, Caters to Large EMS Providers	48
Tamura Furukawa Machinery Builds up Production Bases	48

## TEST AND MEASUREMENTS

## INDUSTRY REPORT

From China, Japanese SMT Companies Make Exodus to South Asia	54
Taiwan PCB Industry Ushers in Another Strong Year Despite Stiffer Competition	58

## DEPARTMENTS

AEI News	8
Techwatch	14
Business Strategy	52
Product News	60

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: aei@info.com.ph.; Subscription e-mail: circmn@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 G3 Worldwide Mail (HK) Ltd. Unit 3-6, G/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong

President & Publisher: Tetsuo Hirayama

**Hong Kong:** Dempa Asia Advertising Hong Kong, Ltd., Room 2201J, 22/F, Nan Fung Centre, 264-298 Castle Peak Road, Tsuen Wan, Hong Kong, Tel: +852-2892-0013 Fax: +852-2574-4588 **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 Asia Philippines, Inc., Herrera Tower, Room 2510, 98 V.A. Rufino Street, Salcedo Village, Makati City, Philippines, Tel: +63-2-845-0906 Fax: +63-2-845-1829