



SPECIAL REPORT

Components For EMI

Progress of Noise Suppression Products Goes Full Swing _____ 16

Banking on Expertise, TDK Deals With Noises in Power Lines _____ 18

NEC TOKIN Promotes Proadlizer to Become Mainstream Product _____ 24

APD Measurement Solves Self-Jamming in Mobile Equipment _____ 31

Electronic Components

Panasonic's In-Car Components Stand to Extreme Heat _____ 33

Omron Gears up For MEMS Boom as Application Areas Expand _____ 36

Wireless Signals

Slow Sampling by ADPCM Keeps Bluetooth in the Race _____ 40

TECHNOLOGY FOCUS

Murata Amplifies Advantages of Piezoelectric Speakers _____ 42

Fujitsu's Flip-Chip Mounting Technique Has Fine-Pitch at Core _____ 43

Murata Integrates Switch to Coaxial Connector, Improves Inspection Process _____ 47

SMTs: IN REVIEW

New Plant, Better Service Drive Hitachi High-Technologies to Meet Targets _____ 50

Yamaha Motor Makes Stride on Surface Mounting Business _____ 50

Siemens' Siplace Machines Get Nod For 01005-Readiness _____ 51

Juki Penetrates High-Speed Modular Moulder Market _____ 52

Tamura Furukawa Machinery Gazes at Larger Asian Market Share _____ 53

Amid Calls For Better Mounting Process, Senju Metal Offers Apt Solder Materials _____ 54

TEST AND MEASUREMENTS

55

SHOW REPORT: NEPCON SOUTH CHINA 2007

Japanese Makers Parade Latest in SMT, Chinese Companies Catch up _____ 60

Siemens Gives Equal Weight to Chinese, Foreign EMS Companies _____ 61

Panasonic FA Business in China Banks on Better Support System _____ 61

Hitachi High-Technologies Builds up Capacity, Meets China Needs _____ 62

Growth in Electronics Demand Boosts Sales Expectation of Yamaha Motor _____ 63

Juki Sees Sales Growth From China's Upsurge in Flat TV Demand _____ 64

With NXT Moulder in Tow, Fuji Machines Eyes Mid-, High-End Chinese Users _____ 65

Japan Unix Reckons on Promise of Automotive-Related Business _____ 66

TECHNOLOGY HIGHLIGHT

Winding Method From Nittoku Engineering to Yield Small, High-Efficient Car Motors _____ 67

CORPORATE CLOSE-UP

As Golden Year Approaches, NF Takes on More Technology Innovations _____ 68

Nikke Machine, Texio Share Business Expertise, Gear up For China _____ 70

DEPARTMENTS

	AEI News	8
	Techwatch	12
	Business Strategy	71
	In View This Month	74
	Product News	75



AFTA AII

Sound Policies in Singapore Bouy IT, Electronics Industries _____ 78

Thien Kwee Eng,
Deputy Director,
Electronics Cluster,
Economic Development
Board of Singapore.



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: 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 G3 Worldwide Mail (HK) Ltd. Unit 3-6, G/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong

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

President & Publisher: Tetsuo Hirayama

Copyright © 2007 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.

