

Asia Electronics Industry November 2021 Volume 26, Serial No. 302







DEPARTMENTS

0	IN VIEW THIS MONTH	08
	AEI NEWS	10
W	COMPANY ON THE MOVE	55
	PRODUCT NEWS	63

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: +81-3-3445-6890. Editorial e-mail: may@dempa.co.jp; Subscription e-mail: circulationmanila@dempa.co.jp

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 https://www.dempa.co.jp/en/pdfs/orderform.pdf

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

TAIWAN: International Dempa Trade Co. Ltd.,7F, No. 34, Sec. 1, Nanjing East Road., Taipei, Taiwan 104 Tel: +886-2-2563 4595 Fax: +886-2-2567-5559 KOREA: Dempa Publications, Room 1019, Punglim VIP Tel, 404, Gongdeuk-dong, Mapo, Seoul, Korea 04144, Tel: +82-2-714-2983 Fax: +82-2-714-2984 PHILIPPINES: Dempa Publications, Inc. - Regional Headquarters, Herrera Tower, Room 2510, 98 V.A. Rufino Street, Salcedo Village, Makati City, Philippines, Tel: +63-2-8845-0906 Fax: +63-2-8845-1829

President & Publisher: Tsutomu Hirayama Copyright © 2021 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 China.

SPECIAL REPORT

Digital Connection of Equipment Makes	
Smart Factory a Reality	_ 13
FUJI	_ 14
JUKI	_ 18
Tokyo Weld	_ 20
Yamaha	_ 22
Union Tool	_ 25
TEQUE COULO	
TECH FOCUS	
Nichicon's Capacitors Resist Harsh Engine	~ =
	_ 27
Control Interfaces Set New Bar for Power Supplies	_ 30
JAE's Floating Connectors Support Automated Assembly	_ 32
ASSCIIIDIY	_ 32
SPECIAL REPORT	
Capacitors Retain Robust Demand Post Pandemic	35
Dual Lane System Tackles Efficiency in Automotive	_ 00
Control Boards	_ 37
COMPONENT MATERIALS	_39
OME. IN DEVIEW	
SMTs: IN REVIEW	_ 43
TECHNOLOGY HIGHLIGHT	
All-Nitride Superconducting Qubit Grows on	5 0
Si Substrate	_ 50
Study Digs Deep on Advances in Wearable Devices Smallest-Class LiDAR Uses Photonic Crystal	_ 54
	_ 53
Tor Mododiomont	_ 55
PRODUCT HIGHLIGHT	
MLCCs with Soft Termination Prevent Short Circuits	_ 54
New High-Frequency Socket Suits 5G Applications	
INDUSTRY REPORT	_ 56
	- 30
MANUFACTURING FRONT	_ 57
ZOOM-IN	
ZOOW-IN	_ 58
SHOW REPORT	
SEMICON Taiwan 2021	_ 59
SEIVILOUN IAIWAII ZUZI	_ 39
SHOW PREVIEW	
HKPCA Show 2021	_ 62