



Wearable sensor (page 12)

DEPARTMENTS

	AEI NEWS	8
	IN VIEW THIS MONTH	10
	COMPANY ON THE MOVE	51
	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: 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 <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

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
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 © 2017 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.

SPECIAL REPORT

Cutting-Edge Components Power Next-Generation Wearables	12
Makers Set Sights on Cutting-Edge Components	14
New Technologies Roll to Support Autonomous Driving	18

TECH FOCUS

Intelligent Production System Powers Smart Factory Creation	21
High-Performance Capacitors Converge to Support IoT Solutions	25
Wireless System Solutions Evolve to Deliver IoT Functions	27
Sensors Safely Bring Car to Future Destination	30

IN THE KNOW

	32
--	----

TECHNOLOGY HIGHLIGHT

ReRAM Potentially Minimizes Power Use of Nonvolatile Memory	35
Alps Electric Widens Adoption of Haptic Technology	36

PRODUCT HIGHLIGHT

Thin-Film Metal Inductors Offer Lower Loss for Power Supply Circuits	37
Dai-ichi Seiko Expands Connectors for Mobile Devices	38
TDK Augments MEGACAP MLCCs with COG Variety	39

COMPONENT MATERIALS

	40
--	----

SMTs: IN REVIEW

	43
--	----

ZOOM-IN

Japan Display Puts LTPS Technology at Core of Latest Designs	45
---	----

CORPORATE CLOSE-UP

Qualcomm's Initiatives Set Stage for Early 5G Deployment	46
---	----

TOP INTERVIEW

NI's Open Platform Gives Customers Industry Edge	50
---	----

SHOW REPORT

NEPCON Japan 2017	52
WEARABLE EXPO 2017	56