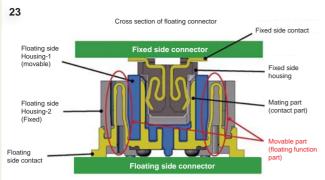


## Asia Electronics Industry October 2021 Volume 26, Serial No. 301



\* Tightening with screw between boards is recommended for ensuring absorption of vibration and shock.



	DEPARTMENTS	
0	IN VIEW THIS MONTH	07
6	AEI NEWS	08
Ŵ	COMPANY ON THE MOVE	38
	BUSINESS STRATEGY	39
~	PRODUCT NEWS	41

## SPECIAL REPORT

Cutting-Edge Solutions Integrate Entire SMT Line	10
Chemical Materials Shore up Advancement	
in Electronics	12
Connector Makers Ride on Several Market Waves	14

## TECH FOCUS

Crystal's MOVPE Growth Paves Way for Next	10
Power Devices Hybrid Capacitor Highlights Original Composite	18
Sealing Structure	20
New JAE Connectors Achieve High Speed,	
Contact Reliability	23
Fast-Beam-Switching Transceiver Takes 5G	
to Next Level	26
COMPONENT MATERIALS	27
SMTs: IN REVIEW	28
TEST AND MEASUREMENT	32
TECHNOLOGY HIGHLIGHT	
Foldable OLED Display Cuts Down	
on Power Use	33
PRODUCT HIGHLIGHT	
Keigan's AMR Boosts Automation	•
in Logistics, Factories	34
HIROSE's EV Connector Prevents	35
Electric Shock	33
ZOOM-IN	
Nichicon Expands Usage Fields of Ultrasmall	_
Energy Devices	36
Alliance Highlights 3D Technology	2=
in Additive Manufacturing	37

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.