

Product / Process Change Notification

No. PCN-PCN-2020-129-01

CUSTOMER NO. 112603
 DATE June 15, 2020
 PAGE 1 / 5

Renesas Electronics Germany GmbH • Postfach 80 01 34 • 01101 Dresden

PREMIER FARNELL UK LTD

CANAL ROAD, ARMLEY
 LS12 2TU LEEDS
 United Kingdom

SUBJECT OF CHANGE / TITLE		Manufacturing Test Operation Transfer
FAMILY / PRODUCTS AFFECTED		ZIOL
MANUFACTURING LOCATION / PRODUCTION LINE		
<p>Actual and discontinued production facility: Renesas Electronics Germany GmbH (REGG)</p> <p>Former: IDT Europe GmbH Grenzstr. 28 01109 Dresden Germany</p> <p>New production facility: Renesas Electronics (Penang) Sdn. Bhd. (REPG)</p> <p>Former: Integrated Device Technology (M) Sdn Bhd Bayan Lepas Free Industrial Zone, 11900 Penang, Malaysia</p>		
LEVEL OF CHANGE	<input type="checkbox"/> Information only	<input checked="" type="checkbox"/> Customer Approval required
DESCRIPTION OF CHANGE		
<p>From the viewpoint of the streamlining of the manufacturing sites, a decision has been made to transfer the manufacturing test facilities from IDT Europe GmbH in Dresden to Renesas Electronics (Penang) Sdn. Bhd.</p> <ul style="list-style-type: none"> • Transfer the manufacturing test facilities from Renesas Electronics Germany GmbH, formerly doing business as IDT Europe GmbH, in Dresden (Germany) to Renesas Electronics (Penang) Sdn. Bhd. ("REPG"), formerly doing business as Integrated Device Technology Malaysia SDN.BHD.) in Penang (Malaysia) • After successful completion of the transfer, the manufacturing test operation for volume production will be terminated at REGG former IDT Europe GmbH in Dresden (Germany). • Change of test platform from SPEA to PS1600 <p>Change Flow:</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  <pre> graph TD A[SPEA / REGG] --> B[1600 / REGG] B --> C[1600 / REPG] </pre> </div> <div style="margin-left: 20px;"> <p>Intermediate Shipments will be applied to ensure demand fulfilment.</p> </div> </div> <p>The product itself remains unchanged in form, fit and function.</p>		

Template No. FT-081 Version 015

Renesas Electronics Germany GmbH

Managing Director: Carsten Jauch
 Registered Office: Grenzstrasse 28, 01109 Dresden, Germany. Postal Address: Postfach 80 01 34, 01101 Dresden, Germany
 Registered Court: Local Court Dresden HRB 35678. Value Added Tax Identification No.: DE151798300. Tax-ID-No.: 202/111/07597
 Account Relationship: Bank of America (for EUR payments): BIC: BOFADEFXXX, IBAN: DE62 5001 0900 0020 7250 23
 Bank of America (for USD payments): BIC: BOFADEFXXX, IBAN: DE84 5001 0900 0020 7250 15
 E-mail: Info-Germany@lm.renesas.com, Internet: www.renesas.com

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Item	Evaluation	Result
Man	Operator skills are equivalent. Training and certification procedure are same	Low risk
Machine	Use same equipment from previous test site	Low risk
Method	Use same process flow and quality gates	Low risk
Material	Use same material (specification and supplier)	Low risk
Measurement	Use same test methods, test flows and test programs	Low risk
Environment	Clean room and handling/transfer/storage according to RENESAS worldwide standard	Low risk

RISK ASSESSMENT	Impact to form	Impact to fit	Impact to function
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

DOCUMENTATION (QUALIFICATION TEST DATA) and preliminary PLANNING

Renesas Electronics plans to provide evaluation results according to the below plan.

P/N	Correlation Result Availability	Requested PCN Approval Date
H2735-QA1175B5 G1	Nov-20	Jan-21
H2735-QA1700D G1	Oct-20	Jan-21
SAP51D-A-G1-R	Nov-20	Jan-21
SAP51D-A-G1-T	Nov-20	Jan-21
SAP51D-B-G1-R	Nov-20	Jan-21
SAP51D-B-G1-T	Nov-20	Jan-21
SAP5SD-A-G1-R	Nov-20	Jan-21
SAP5SD-A-G1-T	Nov-20	Jan-21
SAP5SD-B-G1-R	Nov-20	Jan-21
SAP5SD-B-G1-T	Nov-20	Jan-21
ZIOL2201BI1W	Nov-20	Jan-21
ZIOL2211BI1R	Nov-20	Jan-21
ZIOL2211BI1W	Nov-20	Jan-21
ZIOL2401BI1R	Nov-20	Jan-21
ZIOL2401BI1W	Nov-20	Jan-21
ZIOL2411BI1W	Nov-20	Jan-21

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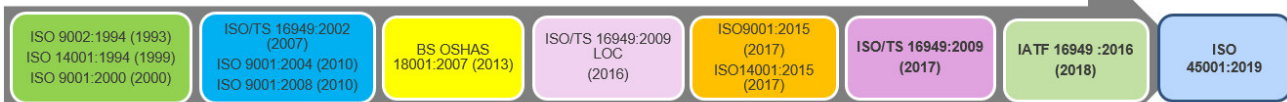
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Renesas Electronics Penang (REPG) – Overview

Renesas Electronics (Penang) Sdn. Bhd. (“REPG”) (formerly known as Integrated Device Technology Malaysia SDN.BHD.) has an established track record in automotive and industrial products, covering Wafer Test as well as Final Test operation.

Founded	Production started in February 1988
Building	Site consists of 6 buildings
Land Area	5 acres
Production Area	145,000 square feet
Workforce	Total 520 employees
Core Activity	Manufacturing (Global Operations Hub)

Product	Automotive, Industrial, Communication, Computing & Consumer
Equipment Types	Teradyne Microflex, J750 Advantest PS800/PS1600, PS9G, HP83K/93K Credance LTX, NI PXI
Scanner, Tape & Reel Types	AT268/468, ICOS T120
Capacity	500 million units per annum



OHSAS 18001:2007



ISO 14001:2015



ISO 9001:2015



IATF16949:2016



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<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>2012</p> <p>3rd Party EICC Audit by VERITE</p> </div> <div style="text-align: center;"> <p>2013</p> <p>3rd Party EICC Audit by INTERTEK</p> </div> <div style="text-align: center;"> <p>2015</p> <p>3rd Party EICC Audit by DNV</p> </div> <div style="text-align: center;"> <p>2016</p> <p>3rd Party EICC Audit by SGS</p> </div> <div style="text-align: center;"> <p>2018</p> <p>3rd Party RBA Audit by BSI</p> </div> </div>																		
																		
																		
<p>EXPECTED LAST ORDER DATE UNCHANGED MATERIAL</p> <p style="text-align: center;">upon customer release</p>	<p>EXPECTED LAST SHIPMENT DATE UNCHANGED MATERIAL</p> <p style="text-align: center;">upon customer release</p>	<p>EXPECTED FIRST SHIPMENT DATE CHANGED MATERIAL</p> <p style="text-align: center;">upon customer release</p>																
<p>DIFFERENTIATOR OF CHANGED DEVICES</p> <p>Lot Number – full lot traceability for complete supply chain incl. new test facility</p>																		
<p>PART NUMBER CHANGE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Affected Ordering Code</th> <th>Customer Material No</th> <th>Ordering Code Change?</th> <th>New Ordering Code</th> </tr> </thead> <tbody> <tr> <td>ZIOL2201BI1W</td> <td>n./a.</td> <td style="text-align: center;"><input checked="" type="checkbox"/> YES</td> <td></td> </tr> <tr> <td>ZIOL2211BI1W</td> <td>2818891</td> <td style="text-align: center;"><input type="checkbox"/> NO</td> <td></td> </tr> <tr> <td>ZIOL2401BI1W</td> <td>2818892</td> <td style="text-align: center;"><input type="checkbox"/> NO</td> <td></td> </tr> </tbody> </table>			Affected Ordering Code	Customer Material No	Ordering Code Change?	New Ordering Code	ZIOL2201BI1W	n./a.	<input checked="" type="checkbox"/> YES		ZIOL2211BI1W	2818891	<input type="checkbox"/> NO		ZIOL2401BI1W	2818892	<input type="checkbox"/> NO	
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ZIOL2401BI1W	2818892	<input type="checkbox"/> NO																
<p>ISSUED BY</p> <p>HL Ang</p> <p>VP Manufacturing</p> <p>Name, Department</p>	<p>Signature</p> <p>Gez. Ang</p>	<p>Date</p> <p>June 10, 2020</p>																

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This document is an attachment to/Dieses Dokument ist eine Anlage zu [PR-035 Product and Process Changes \(Änderungen von Produkten und Prozessen\)](#).

PREMIER FARNELL UK LTD

CUSTOMER FEEDBACK

PLEASE SEND THIS PAGE TO
REGG CUSTOMER SERVICE

CANAL ROAD, ARMLEY
LS12 2TU LEEDS
United Kingdom

Name: BEATE NAEVE
beate.naeve.jc@renesas.com
Fax: (+49) 351 88 22 192

SUBJECT OF CHANGE / TITLE		Manufacturing Test Operation Transfer	
FAMILY / PRODUCTS AFFECTED		ZIOL	
Renesas Electronics Germany GmbH CONTACT DATA			
SALES MANAGER	KEVIN KEEFER	CUSTOMER SERVICE	BEATE NAEVE
E-Mail	kevin.keefer@renesas.com	E-Mail	beate.naeve.jc@renesas.com
Phone	+1 408 588 5294	Phone	+49 89 2035000 55
		PRODUCT RESPONSIBLE	THOMAS REGENSTEIN
		E-Mail	thomas.regenstein.xv@renesas.com
		Phone	+49 351 8822 382
Dear Customer, Your feedback is appreciated and will help us to realize this process change without problems. Please complete this form and send it back to REGG-PCN-IND@lm.renesas.com until July 15 th 2020 (response time according to JESD 46B – 30 days). If we receive no response concerning this PCN within above said deadline, we are assuming your agreement with this change and schedule. Thank you for your help. Please tick and comment.			
PCN DECISION			
<input type="checkbox"/> This Product / Process Change was accepted			
<input type="checkbox"/> WE NEED SAMPLES ORDERING CODE:			
<input type="checkbox"/> QUANTITY:			
<input type="checkbox"/> This Product / Process Change was not accepted			
Reason for Rejection:			
DOCUMENTS SENT FROM			
DATE	CUSTOMER CONTACT NAME DEPARTMENT	SIGNATURE	COMPANY STAMP
ADDRESS	CUSTOMER PHONE NO	CUSTOMER E-MAIL ADDRESS	CUSTOMER FAX NO

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