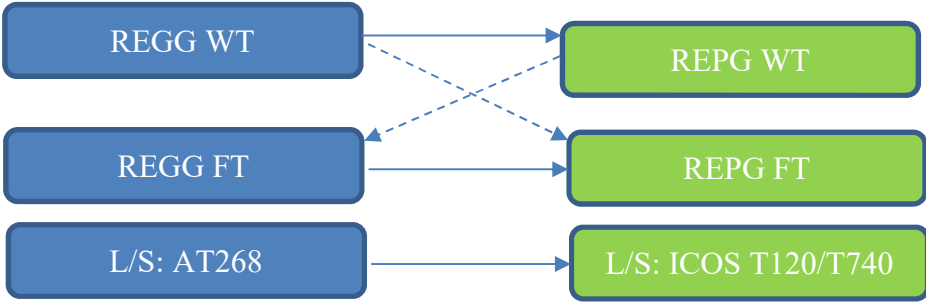


Product / Process Change Notification

No. PCN-2020-268-01

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DATE 10-Aug-20
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Renesas Electronics Germany GmbH • Postfach 80 01 34 • 01101 Dresden

SUBJECT OF CHANGE / TITLE		Manufacturing Test Operation Transfer
FAMILY / PRODUCTS AFFECTED		NextGen 1910
MANUFACTURING LOCATION / PRODUCTION LINE		
Actual and discontinued production facility:		Renesas Electronics Germany GmbH (REGG) Former: IDT Europe GmbH Grenzstr. 28 01109 Dresden Germany
New production facility:		Renesas Electronics (Penang) Sdn. Bhd. (REPG) Former: Integrated Device Technology (M) Sdn Bhd Bayan Lepas Free Industrial Zone, 11900 Penang, Malaysia
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 Renesas Electronics Germany 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). • No change in tester and test programs is applied. • Lead scan equipment change from AT268 to ICOS T120/T740. <p>Change Flow:</p>  <p>-----> Intermediate operation to ensure demand fulfillment.</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.: 202/117/07950
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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The product itself remains unchanged in form, fit and function.

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	Planned PPAP Submission	Requested PCN Approval Date
ZSSC4161BE2	CW29	CW38	CW52
ZSSC4162BE2	CW36	n.a.	CW52
ZSSC4165BE2	CW29	n.a.	CW52
ZSSC4171BE2	CW29	CW40	CW52

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.

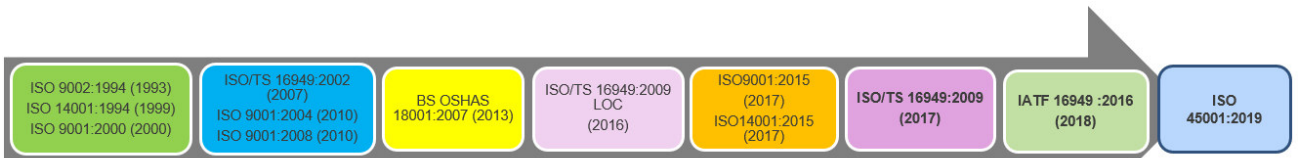
Product / Process Change Notification

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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



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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 style="text-align: center;">Lot Number – full lot traceability for complete supply chain incl. new test facility</p>										
<p>PART NUMBER CHANGE</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Affected Ordering Code</td> <td style="width: 25%;">Customer Material No</td> <td style="width: 25%;">Ordering Code Change?</td> <td style="width: 25%;">New Ordering Code</td> </tr> <tr> <td>ZSSC4161BE2R</td> <td>1833-1012-2-ND</td> <td style="text-align: center;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO </td> <td></td> </tr> </table>			Affected Ordering Code	Customer Material No	Ordering Code Change?	New Ordering Code	ZSSC4161BE2R	1833-1012-2-ND	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Affected Ordering Code	Customer Material No	Ordering Code Change?	New Ordering Code							
ZSSC4161BE2R	1833-1012-2-ND	<input checked="" type="checkbox"/> YES <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>August 7th 2020</p>								

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

Template No. FT-081 Version 015

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Product / Process Change Notification

No. PCN-2020-268-01

CUSTOMER NO. 112031
 DATE 10-Aug-20
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DIGI-KEY CORPORATION

CUSTOMER FEEDBACK

PLEASE SEND THIS PAGE TO
 REGG CUSTOMER SERVICE

701, BROOKS AVENUE SOUTH
 56701 THIEF RIVER FALLS
 MINNESOTA
 USA

REGG-PCN-AUTO@lm.renesas.com
 Fax: (+49) 351 88 22 192

SUBJECT OF CHANGE / TITLE		Manufacturing Test Operation Transfer	
FAMILY / PRODUCTS AFFECTED		NextGen 1910	
Renesas Electronics Germany GmbH CONTACT DATA			
SALES MANAGER	KEVIN KEEFER	CUSTOMER SERVICE	MASAKO NAGAOKA
E-Mail	kevin.keefe@renesas.com	E-Mail	masako.nagaoka.xt@renesas.com
Phone	+49 351 8822 304	Phone	+1 408 284 2659
		PRODUCT RESPONSIBLE	DETLEF KOHN
		E-Mail	detlef.kohn.kf@renesas.com
		Phone	+49 351 8822 327

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-AUTO@lm.renesas.com until Sep 4th, 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

The receipt of this Product / Process Change Notification was **acknowledged**

WE NEED SAMPLES **ORDERING CODE:**

QUANTITY:

This Product / Process Change was **accepted**

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

Template No. FT-081 Version 015

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