



Final Product/Process Change Notification

Document #:FPCN24904X

Issue Date: 29 Sep 2022

Title of Change:	QSD2030x: Alternate die source.	
Proposed First Ship date:	01 Feb 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Esther.Lau@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office or ChangKit.Mok@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Datecode	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	None	
Description and Purpose:		
1. To introduce an alternate die source. All the part numbers listed in this PCN is affected by this change.		
Change table summary:		
Item	Current	After Change
1	Photodiode Die: Die from Supplier A, in Taiwan	Photodiode Die: Die from Supplier A, in Taiwan or Photodiode Die: Die from Supplier B, in Taiwan
Reason for change:		
The qualification of the alternate die source is for flexible manufacturing planning and continuity of supply.		
This change will have no impact on quality, reliability, electrical and the product will remain fully compliant. There will be no datasheet changes.		
After change implementation, parts with die from Supplier A and Supplier B can be shipped interchangeably.		



Final Product/Process Change Notification

Document #:FPCN24904X

Issue Date: 29 Sep 2022

Reliability Data Summary:

QV DEVICE NAME: QSD2030F

RMS : C50CZO21029

PACKAGE : T-1 3/4, 5MM PHOTODIODE

Test	Specification	Condition	Interval	Results
HRTB	JESD22-A108	Ta=100°C, VR biased	1008 hours	0 / 240
HTSL	JESD22-A103	Ta= 105°C	1008 hours	0 / 240
TC	JESD22-A104	Ta= -40°C to +100°C	200 cycles	0 / 240
H3TRB	JESD22-A101	Ta=85°C, 85%RH, VR biased	1008 hours	0 / 240
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only	-	0 / 30

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
QSD2030F	QSD2030F
QSD2030	QSD2030F