

Information note

N° 069/22

Dear customer,

With this Infineon Technologies AG information note, we would like to inform you about the following

Alternative of XE166/ XC2000 standard devices delivery by substitute devices



On 16 April 2020, Infineon acquired Cypress.
We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance.
For further details, please visit our website:
<https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

Infineon Technologies AG

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Information note

N° 069/22

► **Products affected**

Please refer to attached affected product list
 “INF_069-22_[customer-no].pdf”

► **Detailed change information**

Subject Alternative of XE166/ XC2000 standard devices delivery by substitute devices.

INF 069/22 **replaces** INF 041/22.

Reason To improve the current delivery situation, the production of XE166 and XC2000 derivatives will be focused on substitute devices. The substitute devices fully cover the specification of the originally ordered parts and will be offered for the pricing of the originally ordered parts. Infineon reserves the right to switch back to the original ordered parts, once availability has improved.

Description

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> ■ Standard device delivery 	<ul style="list-style-type: none"> ■ Delivery of substitute devices

► **Product identification**

Substitute product is labeled on the dispatch note:
 “Substitute Product ID” = Substitute Product.
 The barcode label does not change.

► **Impact of change**

The substitute devices have the same electrical behavior and quality as the original device variants. There will be no impact on our products regarding:

- Quality
- Functionality
- Reliability
- Manufacturability
- Traceability

The datasheet of the original device remains valid also for the substitute device.

Assessment on application / board level recommended.

Information note

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► **Attachments**

INF_069-22_[*customer-no*].pdf
3_cip06922

affected product list
customer information package

► **Intended start of
delivery**

2022-09-15

If you have any questions, please do not hesitate to contact your local sales office.

XC2000/XE166 Substitute Delivery During Allocation

Customer Information Package
INF 069/22

September, 2022

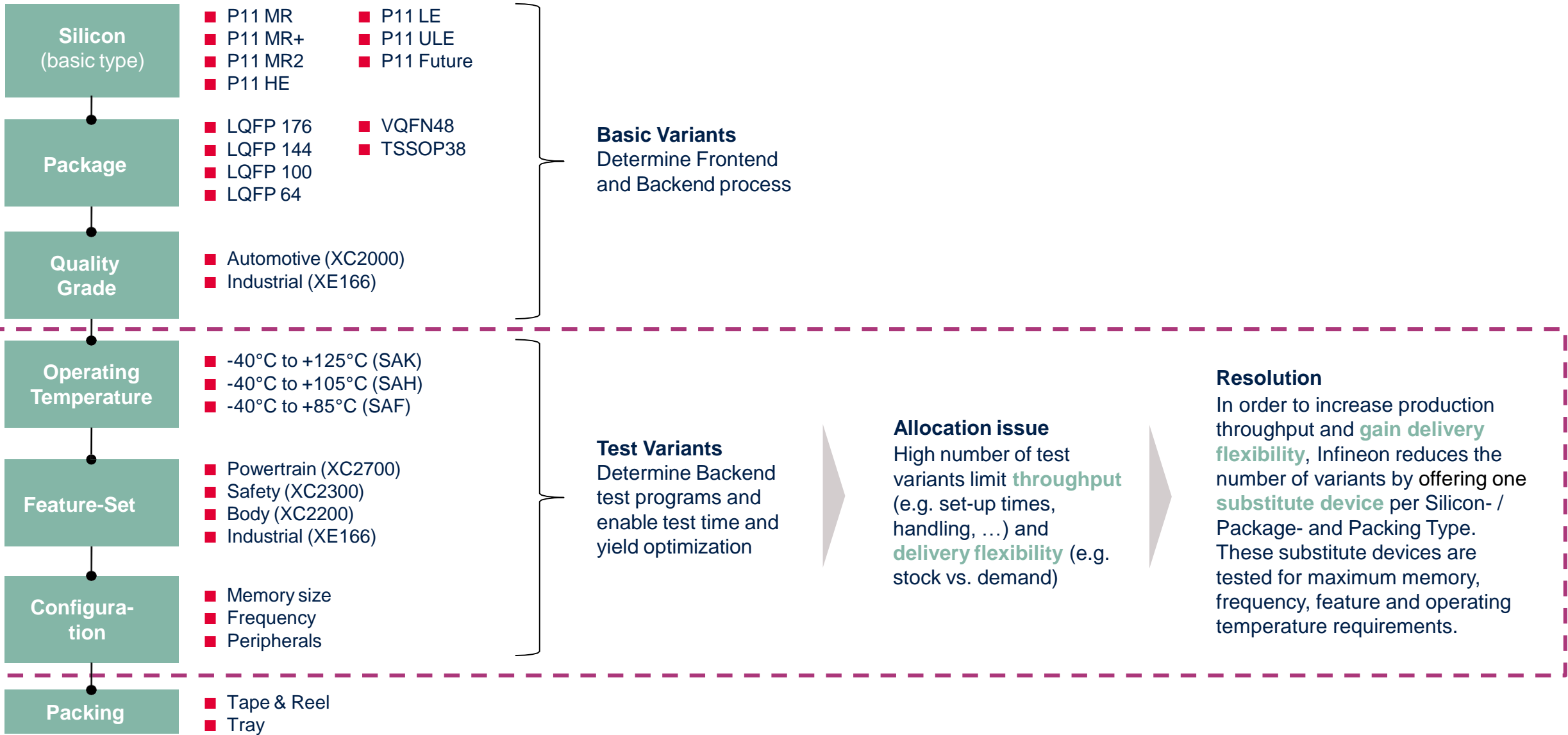


Summary

- › In June 2022, Infineon released Infonote 041/22 regarding delivery of substitute devices for XC2000 and XE166 product families.
- › In September 2022, with Infonote 069/22, Infineon releases a replacement of 041/22, concerning:
 - Timeline
 - Editorial changes
 - Update of affected devices.

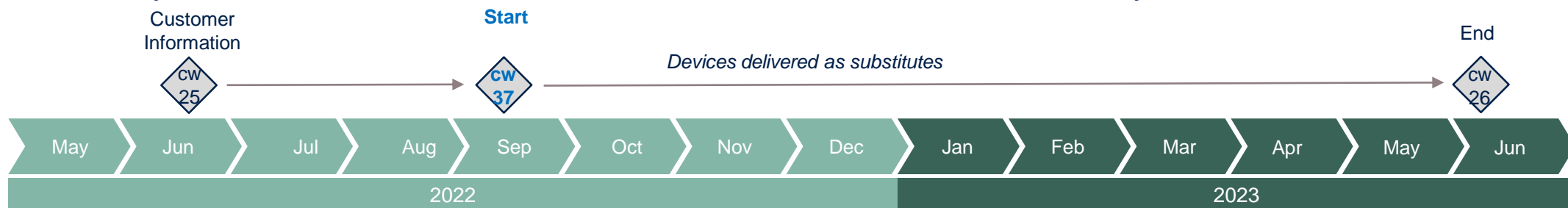
All relevant updates are marked in **BLUE**.

XC2000/XE166 Variant Diversity



Temporary Variant Reduction

- › The delivery situation at Infineon stays tight in 2022 in spite of a significant and continuing capacity increase.
- › Infineon needs to reduce the amount of variants to further increase the production throughput and optimize the delivery flexibility.
- › In CW **37** 2022 Infineon will start to deliver substitute devices.
- › Exact starting date depends on the stock level of the original devices. Existing stock needs to be consumed first.
- › Infineon will provide small quantities of substitute device samples on request to support a smooth phase-over.
- › This measure is planned until CW 26 2023. Infineon will review the capacity situation in September and timely communicate an extension of this measure, if necessary.



Commercial Impact

- › The relabeling has no impact on the commercial conditions, such as prices, valid for the respective product.

Substitute Device Compatibility

- › **Substitute devices will have the same electrical behavior and quality as the original device variants.**
- › **The datasheet of the original device remains valid also for the substitute device.**
 - Substitute devices are based on the same silicon in the same package, as the respective device variants.
 - Substitute devices are tested for maximum memory, frequency, feature and operating temperature requirements **starting with January 1st 2022 / devices with date code 2201 and newer.**
 - Substitute devices are produced on the same Frontend and Backend process as the respective device variants.
- › Only deviation: different marking.

All affected customers will receive fully compatible and, in many cases, higher graded devices

Logistics

- › Customers need to order their original requested devices. The relabeling has no impact on the commercial conditions, such as prices.
- › The mapping of orders for specific variants to the respective substitute devices is handled by Infineon. Full traceability is ensured.
- › The substitute devices will be delivered as “Substitute Products” for the originally ordered devices. This will be stated on the shipping notes.
- › The shipping of substitute devices will begin in CW **37** 2022, but not before an existing stock of the original part has been consumed.

Note: This process may differ on individual customer agreement.

Boundary Conditions

- › This is a mandatory measure to ensure and improve Infineon's supply capability during allocation.
- › Infineon is willing to change its cost optimized production process to an output optimized production process to improve the supply situation for its customers.
- › Infineon is aware that this measure will cause additional efforts at customers and OEMs to generate a special clearance for these substitutes.
- › Infineon will support customers best possible to ensure a smooth phase-over.

Return to normal delivery mode

- › Objective is to return to a normal delivery mode in CW 26 2023 (end of June 2023) and switch back to the originally ordered parts.
- › Infineon will review the capacity and demand situation in February 2023.
- › Infineon will timely inform customers, latest by end of March 2023, in case an extension of this measure is necessary.

Q&A

- › Reason of Change ?
 - To improve the current product delivery situation towards our customers during allocation phase.

- › Will the price remain the same ?
 - The relabeling has no impact on the commercial conditions, such as prices, valid for the respective product.

- › Where do I see that a substitute product is shipped ?
 - It is only possible to see the substitute type on the dispatch note (only SP-no.).

- › Can I see „substitute“ on any barcode label ?
 - No, there is no hint, that the shipped parts are substitute devices.

Q&A

- › Are the substitute devices 100% compatible ?
 - The substitute devices will have the same electrical behavior and quality as the original device variants. There will be no impact on our products regarding:
 - Quality
 - Functionality
 - Reliability
 - Manufacturability
 - Traceability

- › Does the customer have to change software ?
 - No software changes are necessary.

What do I have to do ?

> Logistics:

- Make sure the product is correctly entered when it arrives in the warehouse.
- Both the original product and the substitute product are labeled on the dispatch note:
 - “Sales Product no.” = Original ordered part
 - “Substitute Product ID” = Substitute Product
- Barcode Product Label for a substitute device is like a standard BPL on the „Pizza / Box“.

> Customer:

- Inform the customer.

Affected Devices (1/4)

Substitution Product		Original Device		Remark
Sales name	SP	Sales name	SP	
SAK-XC2361E-136F128LR AA	SP001226572	SAK-XC2361E-136F128LR AA	SP001226572	TAPE & REEL
		SAK-XC2268I-136F128LR AA	SP001250268	
		SAK-XC2768X-136F128LR AA	SP001217656	
SAK-XC2388E-136F128LR AA	SP001217660	SAK-XC2388E-136F128LR AA	SP001217660	TAPE & REEL
		SAK-XC2788X-136F128LR AA	SP001217662	
		SAK-XC2289I-136F128LR AA	SP001217658	
SAK-XC2220U-4F40V AA	SP000858088	SAK-XC2220U-4F40V AA	SP000858088	TAPE & REEL
		SAK-XE161FU-8F40V AA	SP000859284	
		SAK-XC2220U-8F40V AA	SP000846742	
SAK-XC2234L-20F66LR AA	SP001217630	SAK-XC2234L-20F66LR AA	SP001217630	TAPE & REEL
		SAK-XC2733X-20F66LR AA	SP001217644	
		SAK-XE162FL-20F80LR AA	SP001251534	
		SAK-XC2331D-20F66LR AA	SP001217640	
SAK-XC2224L-20F66V AA	SP000846740	SAK-XC2224L-20F66V AA	SP000846740	TAPE & REEL
		SAF-XE161FL-12F80V AA	SP000859298	
		SAK-XE161FL-20F66V AA	SP000859288	
		SAK-XC2320D-12F66V AA	SP000915596	
		SAK-XC2321D-20F66V AA	SP000846748	
		SAK-XC2320D-12F20V AA	SP000915598	

Affected Devices (2/4)

Substitution Product		Original Device	
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Sales name	SP	Sales name	SP
SAK-XC2268N-40F80L-AA	SP000720866	SAK-XC2268N-40F80L-AA	SP000720866
		SAK-XC2265N-40F80L-AA	SP000527774
		SAK-XC2060N-40F80L-AA	SP000905002

TAPE & REEL

Discontinued products; Removed from list

Sales name	SP	Sales name	SP
SAK-XC2365B-40F80LR AB	SP001138298	SAK-XC2365B-40F80LR AB	SP001138298
		SAK-XC2268N-40F80LR AB	SP001115324
		SAK-XC2060N-40F80LR AB	SP001198758
		SAK-XE164FN-40F80LR AB	SP001208300
		SAK-XC2764X-40F80LR AB	SP001198756
		SAH-XC2361B-40F80LR AB	SP001147778
		SAK-XC2365B-40F80YB AB	SP002009180
		SAK-XC2265N-40F80LR AB	SP001707142

TAPE & REEL

SP corrected

Sales name	SP	Sales name	SP
SAK-XC2336B-40F80LR AB	SP001138294	SAK-XC2336B-40F80LR AB	SP001138294
		SAK-XE162FN-40F80LR AB	SP001202712
		SAK-XC2734X-40F80LR AB	SP001198752
		SAK-XC2238N-40F80LR AB	SP001115320

TAPE & REEL

Sales name	SP	Sales name	SP
SAK-XC2267-96F80L AC	SP000300101	SAK-XC2267-96F80L AC	SP000300101
		SAF-XE164F-96F80L AC	SP000450812
		SAF-XE164F-96F66L AC	SP000363761
		SAK-XC2267-72F66L AC	SP000300103
		SAK-XC2060-96F80L AC	SP000904994
		SAF-XE164F-48F66L AC	SP000363784
		SAF-XE164K-96F66L AC	SP000363770
		SAK-XC2267-96F66L AC	SP000250942

TAPE & REEL

Affected Devices (3/4)

Substitution Product		Original Device	
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Remark

Sales name	SP	Sales name	SP
SAF-XE164F-96F66L AC	SP000363762	SAF-XE164F-96F66L AC	SP000363762
		SAF-XE164F-24F66L AC	SP000363794
		SAF-XE164F-96F80L AC	SP000884948
		SAF-XE164G-96F66L AC	SP000363764
		SAF-XE164H-96F66L AC	SP000363766
		SAF-XE164K-96F66L AC	SP000363771

TRAY

Sales name	SP	Sales name	SP
SAK-XC2287-96F80L AC	SP000300037	SAK-XC2287-96F80L AC	SP000300037
		SAK-XC2080-96F66L AC	SP000919146
		SAF-XE167F-96F80L AC	SP000450816
		SAF-XE167H-96F66L AC	SP000363806
		SAF-XE167F-96F66L AC	SP000363802
		SAK-XC2287-96F66L AC	SP000432418
		SAK-XC2786X-96F66L AC	SP000369364

TAPE & REEL

Sales name	SP	Sales name	SP
SAK-XC2287-96F66L AC	SP001006036	SAK-XC2287-96F66L AC	SP001006036
		SAF-XE167F-96F66L AC	SP000363803
		SAF-XE167H-48F66L AC	SP000363826
		SAF-XE167F-72F66L AC	SP000363813
		SAF-XE167G-96F66L AC	SP000363805

TRAY

Sales name	SP	Sales name	SP
SAK-XC2298H-200F100L AB	SP000844810	SAK-XC2297H-200F100L AB	SP000911504
		SAF-XE169FH-200F100L AB	SP000874838
		SAK-XE169FH-200F100L AB	SP000845654
		SAK-XC2298H-200F100L AB	SP000844810
		SAK-XC2299H-200F100L AB	SP000761326
		SAK-XC2797X-200F100L AB	SP000804406

TAPE & REEL

New substitute + one part removed

Affected Devices (4/4)

Substitution Product		Original Device	
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Remark

Sales name	SP	Sales name	SP
SAK-XC2288H-200F100L AB	SP000844806	SAK-XC2288H-200F100L AB	SP000844806
		SAF-XE167FH-200F100L AB	SP000845646
		SAK-XE167FH-200F100L AB	SP000845650
		SAK-XC2387C-200F100L AB	SP001060934
		SAK-XC2388C-200F100L AB	SP000910978
		SAK-XC2289H-200F100L AB	SP000700616
		SAK-XC2787X-200F100L AB	SP000804404

TAPE & REEL

Sales name	SP	Sales name	SP
SAK-XC2365A-104F80LR AB	SP001115316	SAK-XC2365A-104F80LR AB	SP001115316
		SAK-XC2267M-104F80LR AB	SP001138290
		SAK-XE164FM-72F80LR AB	SP001202718
		SAK-XC2060M-104F80LR AB	SP001198746
		SAK-XC2765X-104F80LR AB	SP001198744
		SAK-XC2263M-72F80LR AB	SP001247670
		SAH-XC2361A-72F80LR AB	SP001147780
		SAK-XC2265M-56F80LR AB	SP001269098

TAPE & REEL

Sales name	SP	Sales name	SP
SAK-XC2387A-104F80LR AB	SP001138284	SAK-XC2387A-104F80LR AB	SP001138284
		SAK-XC2287M-104F80LR AB	SP001115332
		SAK-XE167FM-72F80LR AB	SP001205782
		SAK-XC2080M-104F80LR AB	SP001198750
		SAK-XC2286M-72F80LR AB	SP001269102
		SAK-XC2785X-104F80LR AB	SP001198748

TAPE & REEL

Sales name	SP	Sales name	SP
SAH-XC2336A-72F80LR AB	SP001488636	SAH-XC2336A-72F80LR AB	SP001488636
		SAF-XE162FM-72F80LR AB	SP001504648

TAPE & REEL

Removed from list; the original device will be delivered



Part of your life. Part of tomorrow.