

> Product Discontinuation Notification (PDN)

Product group:	MINISKIIP, SEMITRANS, SEMITOP, MINISKIIP II	Rev.:	0
No.:	PN19-127	Discontinuation of Power Modules with IGBT Gen. 2 600V from Infineon	20 Dec 2019

Dear valued partner,

Thank you for using SEMIKRON products. Within our continuous improvement activities we are working to enhance performance, quality and reliability of our products. This notification is to inform you of a relevant change.

We would like to express our sincere appreciation for your cooperation regarding the following changes and want to assure you that SEMIKRON will work closely with you to support your requirements during this transition.

Please respond to this notification by indicating your decision on the below approval form, sign it and return it to your SEMIKRON sales partner before 20 Jan 2020.

Subject of change: **Discontinuation of Power Modules with IGBT Gen. 2 600V from Infineon**

SEMIKRON product type: MiniSKiiP, Semitop, Semitrans

Description of change: Discontinuation of below listed power modules using 2nd Generation 600V IGBTs from Infineon

Reason for change: Discontinuation of components by supplier

Impact of change: Discontinuation of products

Identification of change: n.a.

Time schedule for change: 30.09.2021

Last time order date: 31 May 2020

Last time delivery date: 30 Sep 2021

Qualification: n.a.

Supporting documentation: Cross reference table with replacement products where applicable

Author: Obermaier, Werner

- **Please respond to this notification by returning the attached customer approval form to your local sales partner.**
- **According to the standard J-STD-046 no response to this notification within 30 days after receipt constitutes acceptance of the change.**

Cross reference table with replacement products sorted by Part Number:

Obsolete Product			Closest Replacement			Latest Replacement				
Part #	Product Name	Product Family	Part #	Product Name	Pin Comp.	Comment	Part #	Product Name	Pin Comp.	Comment
20228300	SKIP 11 NAB 063 T42 563508 Mini 1	MiniSKIIP	20339375	SKIP 11NAB06T42	yes	using IGBT3				
20337469	SKIP 13NE063	MiniSKIIP		n.a.						
20337512	SKIP 29P5065T1E	MiniSKIIP		n.a.						
20337996	SKIP 11NAB063T1	MiniSKIIP	25230590	SKIP 12NAB060V1	no	IGBT3				
20338001	SKIP 10NEC063T1	MiniSKIIP	25232420	SKIP 01NEC060V3	no	IGBT3				
20338002	SKIP 10NEC063T1	MiniSKIIP	25232420	SKIP 01NEC060V3	no	IGBT3				
20338009	SKIP 21NEB063T1	MiniSKIIP	25232400	SKIP 25NEB060V1	no	IGBT3				
20338166	SKIP 24NAB063T12	MiniSKIIP	25230630	SKIP 26NAB060V1	no	IGBT3				
20338168	SKIP 22NAB063T12	MiniSKIIP	25230620	SKIP 25NAB060V1	no	IGBT3				
20338169	SKIP 31NAB063T12	MiniSKIIP	25230640	SKIP 37NAB060V1	no	IGBT3				
20338215	SKIP 11HEB063T2	MiniSKIIP	25230830	SKIP 11HEB060V1	no	IGBT3				
20338216	SKIP 21HEB063T2	MiniSKIIP	25230840	SKIP 12HEB060V1	no	IGBT3				
20338312	SKIP 10NEC063T43	MiniSKIIP	25232420	SKIP 01NEC060V3	no	IGBT3				
20338341	SKIP 10NEC063T45	MiniSKIIP	25232420	SKIP 01NEC060V3	no	IGBT3				
20338343	SKIP 21NAB063T45	MiniSKIIP	25230610	SKIP 14NAB060V1	no	IGBT3				
21915440	SKM15GAL063DN SEMITRANS 2NI	Semitrans 2		SKM19SGAL07E3	yes	Higher current rating, IGBT3 650V				
21915450	SKM19SGAL063DN SEMITRANS 2NI	Semitrans 2		SKM19SGAR07E3	yes	IGBT3 650V				
21915460	SKM19SGAR063DN SEMITRANS 2NI	Semitrans 2		SKM19SGAR07E3	yes	IGBT3 650V				
21915570	SKM300GAR063D SEMITRANS 3	Semitrans 3		SKM300GAR07E3	yes	IGBT3 650V				
22890040	SKM100GB063D 97055-	Semitrans 2		SKM145GB066D	yes	Higher current rating, IGBT3				
22890047	SKM50GB063D 96085-	Semitrans 2		SKM145GB066D	yes	Higher current rating, IGBT3				
22890050	SKM75GB063D	Semitrans 2		SKM145GB066D	yes	Higher current rating, IGBT3				
22890053	SKM40GB063D	Semitrans 3		SKM300GB066D	yes	Higher current rating, IGBT3				
22890054	SKM300GB063D	Semitrans 3		SKM300GB066D	yes	IGBT3	SKM195GB060D	no	Semitrans 2 housing, IGBT3	
22890440	SKM75GAL063D	Semitrans 2		SKM19SGAL07E3	yes	Higher current rating, IGBT3 650V	SKM300GB07E3	yes	IGBT3 650V	
22890460	SKM300GAL063D	Semitrans 3		SKM300GAL066D	yes	IGBT3	SKM300GAL07E3	yes	IGBT3 650V	
22890520	SKM75GAR063D	Semitrans 2		SKM19SGAR07E3	yes	Higher current rating, IGBT3 650V				
24501701	SK 45 GAL 063	Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3				
24501752	SK 50 GAL 065 DEC	Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3				
24501701	SK 45 GAR 063	Semitrans 2	24914980	SK 75 GB 066 T	no	different housing, IGBT3				
24501752	SK 50 GAR 065 DEC	Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3				
24503001	SK 15 GH 063	Semitop	24922200	SK 15 GH 066	yes	IGBT3				
24505601	SK 25 GH 063	Semitop	24914740	SK 30 GB 066 T	no	different housing, IGBT3				
24505701	SK 45 GH 063	Semitop	24914750	SK 50 GB 066 T	no	different housing, IGBT3				
24508201	SK 13 GD 063	Semitop	24914970	SK 20 GD 066 ET	no	different housing, IGBT3				
24508601	SK 25 GD 063	Semitop	24914960	SK 30 GD 066 ET	no	IGBT3				
24508701	SK 45 GD 063	Semitop	24912720	SK 50 GD 066 ET	no	IGBT3				
24509003	SK 80 GM 063	Semitop		n.a.						
24909940	SK 20 DGD 065 ET	Semitop	24913410	SK 20 DGD 066 ET	yes	IGBT3				
24910150	SK 75 GARL 065 E	Semitop		n.a.						
24910190	SK 35 GD 065 ET	Semitop	24914960	SK 30 GD 066 ET	yes	IGBT3				
24910430	SK 20 DGD 065 ET	Semitop	24913410	SK 20 DGD 066 ET	no	no brake chopper, IGBT3				
24910730	SK 55 GARL 065 E	Semitop		n.a.						
24912000	SK 9 GD 065 ET	Semitop	24913410	SK 20 DGD 066 ET	no	2-ph vs 3-ph input (substitute has 1 phase more), IGBT3				
24912020	SK 100 GALE 065 TF	Semitop	24919740	SK 151 GALE 07F3TUF	yes	IGBT3 650V				
24912090	SK 130 GALE 065 TF	Semitop	24919740	SK 151 GALE 07F3TUF	yes	IGBT3 650V				
24912170	SK 9 DGD 065 ET	Semitop	24913410	SK 20 DGD 066 ET	yes	IGBT3				
24912240	SK 50 GH 065 F	Semitop	24914750	SK 50 GB 066 T	no	2x single inv leg vs single phase inv, IGBT3				
24912260	SK 80 GM 063 /*325-4303-2*/	Semitop		n.a.						
24912270	SK 50 GARL 065 /*325-4303-2*/	Semitop		n.a.						
24912400	SK 45 GAL 063 TS 06-IT-001-08	Semitop		n.a.						
24912750	SK 50 GB 065 /*325-4303-2*/ USA	Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3				
24912770	SK 71 GB 065 TF Nuovo Pinout	Semitop	24919750	SK 151 GB 07 F3 T	yes	IGBT3 650V				
24912780	SK 101 GB 065 TF	Semitop	24919750	SK 151 GB 07 F3 T	yes	IGBT3 650V				
24914320	SK 10 BAT 065	Semitop	24916210	SK 20 BAT 066	yes	IGBT3				
24916460	SK 50 GARL 065F /*325-4303A-2*/ TS 10-IT-011-00	Semitop		n.a.						
25230230	SKIP 11NAB065V1	MiniSKIIP	25230580	SKIP 11NAB060V1	yes	IGBT3				
25230240	SKIP 12NAB065V1	MiniSKIIP	25230590	SKIP 12NAB060V1	yes	IGBT3				
25230250	SKIP 13NAB065V1	MiniSKIIP	25230600	SKIP 13NAB060V1	yes	IGBT3				
25230260	SKIP 14NAB065V1	MiniSKIIP	25230610	SKIP 14NAB060V1	yes	IGBT3				
25230270	SKIP 14AC065V1	MiniSKIIP	25230690	SKIP 04 AC 066 V1	no	IGBT3				
25230280	SKIP 15AC065V1	MiniSKIIP	25230700	SKIP 15AC066V1	yes	IGBT3				
25230300	SKIP 26NAB065V1	MiniSKIIP	25230630	SKIP 26NAB060V1	yes	IGBT3				
25230330	SKIP 28AC065V1	MiniSKIIP	25230730	SKIP 28AC066V1	yes	IGBT3				
25230340	SKIP 37NAB065V1	MiniSKIIP	25230640	SKIP 37NAB060V1	yes	IGBT3				
25230400	SKIP 25NAB065V1D	MiniSKIIP	25230620	SKIP 25NAB060V1	no	IGBT3				
25230520	SKIP 39AC065V2	MiniSKIIP	25231360	SKIP 39AC066V4	no	IGBT3				
25234230	SKIP 11NAB065V1	MiniSKIIP	25230580	SKIP 11NAB060V1	yes	IGBT3				
25234250	SKIP 13NAB065V1	MiniSKIIP	25230600	SKIP 13NAB060V1	yes	IGBT3				
25234260	SKIP 14NAB065V1	MiniSKIIP	25230610	SKIP 14NAB060V1	yes	IGBT3				
20228306P	SKIP 31 NAC 063 T42 563508 Mini 3	MiniSKIIP	20339305	SKIP 31NAC06T42	no	IGBT3				
20228306P	SKIP 32 NAC 063 T42 563508 Mini 3	MiniSKIIP	20339305	SKIP 31NAC06T42	no	IGBT3				
20327979P	SKIP 32NAB063T1	MiniSKIIP	25230650	SKIP 38NAB060V1	no	IGBT3				

Cross reference table with replacement products sorted by Product Description:

Part #	Product Name	Obsolete Product	Product Family	Part #	Product Name	Closest Replacement		Part #	Product Name	Latest Replacement		Comment
						Pin Comp.	Comment			Pin Comp.	Comment	
20229300	SKIP 11 NAB 063 T42 563508 Mini 1		MiniSKIP	20339375	SKIP 11NAB066T42	yes	using IGBT3		SKIP 11NAB066V1	no	IGBT3	
20337469	SKIP 11NEC063		MiniSKIP		n.a.							
20337512	SKIP 29P5S065T1E		MiniSKIP		n.a.							
20337996	SKIP 11NAB063T1		MiniSKIP	25230590	SKIP 12NAB066V1	no	IGBT3					
20338001	SKIP 10NEC063T1		MiniSKIP	25232420	SKIP 01NEC066V3	no	IGBT3					
20338002	SKIP 10NEC063T1		MiniSKIP	25232420	SKIP 01NEC066V3	no	IGBT3					
20338009	SKIP 21NEB063T1		MiniSKIP	25232400	SKIP 25NEB066V1	no	IGBT3					
20338166	SKIP 24NAB063T12		MiniSKIP	25230630	SKIP 26NAB066V1	no	IGBT3					
20338168	SKIP 22NAB065T12		MiniSKIP	25230620	SKIP 25NAB066V1	no	IGBT3					
20338169	SKIP 31NAB065T12		MiniSKIP	25230640	SKIP 37NAB066V1	no	IGBT3					
20338215	SKIP 11HEB063T2		MiniSKIP	25230830	SKIP 11HEB066V1	no	IGBT3					
20338216	SKIP 21HEB063T2		MiniSKIP	25230840	SKIP 12HEB066V1	no	IGBT3					
20338312	SKIP 10NEC063T43		MiniSKIP	25232420	SKIP 01NEC066V3	no	IGBT3					
20338341	SKIP 10NEC063T45		MiniSKIP	25232420	SKIP 01NEC066V3	no	IGBT3					
20338343	SKIP 21NAB063T45		MiniSKIP	25230630	SKIP 14NAB066V1	no	IGBT3					
25230230	SKIP 11NAB065V1		MiniSKIP	25230590	SKIP 11NAB066V1	yes	IGBT3					
25230240	SKIP 12NAB065V1		MiniSKIP	25230590	SKIP 12NAB066V1	yes	IGBT3					
25230250	SKIP 13NAB065V1		MiniSKIP	25230600	SKIP 13NAB066V1	yes	IGBT3					
25230260	SKIP 14NAB065V1		MiniSKIP	25230610	SKIP 14NAB066V1	yes	IGBT3					
25230270	SKIP 14AC065V1		MiniSKIP	25230690	SKIP 04 AC 066 V1	no	IGBT3					
25230280	SKIP 15AC065V1		MiniSKIP	25230700	SKIP 15AC066V1	yes	IGBT3					
25230300	SKIP 26NAB065V1		MiniSKIP	25230630	SKIP 26NAB066V1	yes	IGBT3					
25230330	SKIP 28AC065V1		MiniSKIP	25230730	SKIP 28AC066V1	yes	IGBT3					
25230340	SKIP 37NAB065V1		MiniSKIP	25230640	SKIP 37NAB066V1	yes	IGBT3					
25230400	SKIP 25NAB065V10		MiniSKIP	25230620	SKIP 25NAB066V1	no	IGBT3					
25230520	SKIP 39AC065V2		MiniSKIP	25231360	SKIP 39AC066V4	no	IGBT3					
25234230	SKIP 11NAB065V1		MiniSKIP	25230580	SKIP 11NAB066V1	yes	IGBT3					
25234250	SKIP 13NAB065V1		MiniSKIP	25230600	SKIP 13NAB066V1	yes	IGBT3					
25234260	SKIP 14NAB065V1		MiniSKIP	25230610	SKIP 14NAB066V1	yes	IGBT3					
20228300	SKIP 11 NAB 063 T42 563508 Mini 3		MiniSKIP	20339375	SKIP 11NAB066T42	no	IGBT3					
20228306P	SKIP 32 NAB 063 T42 563508 Mini 3		MiniSKIP	20339305	SKIP 31NAB066T42	no	IGBT3					
20227973P	SKIP 32NAB063T1		MiniSKIP	25230650	SKIP 38NAB066V1	no	IGBT3					
24501701	SK 45 GAL 063		Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3					
24501752	SK 50 GAL 065 DEC		Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3					
24502701	SK 45 GAR 063		Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3					
24502752	SK 50 GAR 065 DEC		Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3					
24505301	SK 35 GH 063		Semitop	24912230	SK 75 GH 066	yes	IGBT3					
24505401	SK 25 GH 063		Semitop	24914740	SK 30 G8B 066 T	no	different housing, IGBT3					
24505701	SK 45 GH 063		Semitop	24914750	SK 50 G8B 066 T	no	different housing, IGBT3					
24508201	SK 13 GD 063		Semitop	24914970	SK 20 GD 066 ET	no	different housing, IGBT3					
24508601	SK 25 GD 063		Semitop	24914960	SK 30 GD 066 ET	no	IGBT3					
24508701	SK 45 GD 063		Semitop	24912720	SK 50 GD 066 ET	no	IGBT3					
24509003	SK 80 GM 063		Semitop		n.a.							
24909940	SK 20 DGD 065 ET		Semitop	24913410	SK 20 DGD 066 ET	yes	IGBT3					
24910150	SK 75 GARL 065 E		Semitop		n.a.							
24910190	SK 35 GD 065 ET		Semitop	24914960	SK 30 GD 066 ET	yes	IGBT3					
24910430	SK 20 DGD 065 ET		Semitop	24913410	SK 20 DGD 066 ET	no	no brake chopper, IGBT3					
24910730	SK 55 GARL 065 E		Semitop		n.a.							
24912000	SK 9 BGD 065 ET		Semitop	24913410	SK 20 DGD 066 ET	no	2-ph vs 3-ph input (substitute has 1 phase more), IGBT3					
24912020	SK 100 GALE 065 TF		Semitop	24919740	SK 151 GALE 07F3TUF	yes	IGBT3 650V					
24912030	SK 130 GALE 065 TF		Semitop	24919740	SK 151 GALE 07F3TUF	yes	IGBT3 650V					
24912110	SK 9 DGD 065 ET		Semitop	24913410	SK 20 DGD 066 ET	yes	IGBT3					
24912240	SK 50 GH 065 F		Semitop	24914750	SK 50 G8B 066 T	no	2x single Inv leg vs single phase Inv, IGBT3					
24912260	SK 80 GM 063 /*325-4301-2*/		Semitop		n.a.							
24912270	SK 50 GARL 065 /*325-4303-2*/		Semitop		n.a.							
24912400	SK 45 GAL 063 TS 06-IT-001-08		Semitop		n.a.							
24912750	SK 50 GB 065 /*325-4302-2*/ USA		Semitop	24914980	SK 75 GB 066 T	no	different housing, IGBT3					
24912770	SK 71 GB 065 TF Nuovo Pinout		Semitop	24919750	SK 151 GB 07 F3 T	yes	IGBT3 650V					
24912780	SK 101 GB 065 TF		Semitop	24919750	SK 151 GB 07 F3 T	yes	IGBT3 650V					
24914320	SK 10 BAT 065		Semitop	24916210	SK 20 BAT 066	yes	IGBT3					
24914640	SK 50 GARL 065F /*325-4303A-2*/ TS 10-IT-011-00		Semitop		n.a.							
21915440	SKM145GAL063DN SEMITRANS 2NI		Semitrans 2		SKM195GAL07E3	yes	Higher current rating, IGBT3 650V					
21915440	SKM195GAL063DN SEMITRANS 2NI		Semitrans 2		SKM195GAL07E3	yes	IGBT3 650V					
21915460	SKM195GAR063DN SEMITRANS 2NI		Semitrans 2		SKM195GAR07E3	yes	IGBT3 650V					
22890340	SKM105GB0630 97055-		Semitrans 2		SKM145GB0660	yes	Higher current rating, IGBT3					
22890047	SKM45GB0630 96085-		Semitrans 2		SKM145GB0660	yes	Higher current rating, IGBT3					
22890050	SKM75GB0630		Semitrans 2		SKM145GB0660	yes	Higher current rating, IGBT3					
22890440	SKM75GAL0630		Semitrans 2		SKM195GAL07E3	yes	Higher current rating, IGBT3 650V					
22890520	SKM75GAR0630		Semitrans 2		SKM195GAR07E3	yes	Higher current rating, IGBT3 650V					
21915570	SKM300GAR0630 SEMITRANS 3		Semitrans 3		SKM300GAR07E3	yes	IGBT3 650V					
22890053	SKM200GB0630		Semitrans 3		SKM300GB0660	yes	Higher current rating, IGBT3		SKM195GB0660	no	Semitrans 2 housing, IGBT3	
22890054	SKM300GB0630		Semitrans 3		SKM300GB0660	yes	IGBT3		SKM300GB07E3	yes	IGBT3 650V	
22890460	SKM300GAL0630		Semitrans 3		SKM300GAL0660	yes	IGBT3		SKM300GAL07E3	yes	IGBT3 650V	

Products Affected:

The following table shows the affected products and the last transactions (orders, frame orders or quotations), where available with customer part number, order or quote request reference, product quantity and date of transaction.

Part No.	Description
20228300	SKiiP 11 NAB 063 T42 563508 Mini 1
20337469	SKiiP 13NEL063I
20337512	SKiiP 29PSS065T1IE
20337996	SKiiP 11NAB063T1
20338001	SKiiP 10NEC063IT1
20338002	SKiiP 10NEC063T1
20338009	SKiiP 21NEB063T1
20338166	SKiiP 24NAB063T12
20338168	SKiiP 22NAB065T12
20338169	SKiiP 31NAB065T12
20338215	SKiiP 11HEB063T2
20338216	SKiiP 21HEB063T2
20338312	SKiiP 10NEC063IT43
20338341	SKiiP 10NEC063IT45
20338343	SKiiP 21NAB063IT45
21915440	SKM145GAL063DN SEMITRANS 2NI
21915450	SKM195GAL063DN SEMITRANS 2NI
21915460	SKM195GAR063DN SEMITRANS 2NI
21915570	SKM300GAR063D SEMITRANS 3
22890040	SKM100GB063D 97055-
22890047	SKM50GB063D 96085-
22890050	SKM75GB063D
22890053	SKM200GB063D
22890054	SKM300GB063D
22890440	SKM75GAL063D
22890460	SKM300GAL063D
22890520	SKM75GAR063D
24501701	SK 45 GAL 063
24501752	SK 50 GAL 065 DEC
24501752V	SK 50 GAL 065 Variant
24502701	SK 45 GAR 063
24502752	SK 50 GAR 065 DEC
24505301	SK 15 GH 063
24505601	SK 25 GH 063

24505701	SK 45 GH 063
24508201	SK 13 GD 063
24508601	SK 25 GD 063
24508701	SK 45 GD 063
24509003	SK 80 GM 063
24909940	SK 20 DGD 065 ET
24910150	SK 75 GARL 065 E
24910190	SK 35 GD 065 ET
24910190V	SK 35 GD 065 ET Variant
24910430	SK 20 DGD 065 ET
24910730	SK 55 GARL 065 E
24912000	SK 9 BGD 065 ET
24912020	SK 100 GALE 065 TF
24912090	SK 130 GALE 065 TF
24912170	SK 9 DGD 065 ET
24912240	SK 50 GH 065 F
24912240V	SK 50 GH 065 F Variant
24912260	SK 80 GM 063 /*325-4301-Z*/
24912270	SK 50 GARL 065 /*325-4303-Z*/
24912400	SK 45 GAL 063 TS 06-IT-001-08
24912750	SK 50 GB 065 /*325-4302-Z*/ USA
24912770	SK 71 GB 065 TF Nuovo Pinout
24912780	SK 101 GB 065 TF Nuovo Pinout
24914320	SK 10 BAT 065
24916460	SK 50 GARL 065F/*325-4303A-Z*/ TS 10-IT-011-00
25230230	SKiiP 11NAB065V1
25230240	SKiiP 12NAB065V1
25230250	SKiiP 13NAB065V1
25230260	SKiiP 14NAB065V1
25230270	SKiiP 14AC065V1
25230280	SKiiP 15AC065V1
25230300	SKiiP 26NAB065V1
25230330	SKiiP 28AC065V1
25230340	SKiiP 37NAB065V1
25230400	SKiiP 25NAB065V10
25230520	SKiiP 39AC065V2
25234230	SKiiP 11NAB065V1

25234250	SKiiP 13NAB065V1
25234260	SKiiP 14NAB065V1
20228305	SKiiP 31 NAC 063 T42 563508 Mini 3
20228306	SKiiP 32 NAC 063 T42 563508 Mini 3
20327973	SKiiP 32NAB063T1