



**NOTE:** For the period of 10/1/2019 through 1/10/2020, due to a data irregularity in the customer impact lists, some indirect sales customers may not have received product change, product discontinuance, or product bulletin notices as expected through email. Although these notifications were published on our public portal (<https://www.onsemi.com/PowerSolutions/pcnPub.do>), ON Semiconductor is taking the action to redistribute affected notices, with revised implementation dates conforming to external standards and ON Semiconductor's customer notification policies. This issue has been resolved. Questions related to this issue can be directed to [PCN.Support@onsemi.com](mailto:PCN.Support@onsemi.com)

<b>Title of Change:</b>	Redistribution of FPCN22647XJ (1st Split) - Mold Compound Change attributed to an End of Life of Samsung SDI EMC for products in TO-220 package.	
<b>Proposed First Ship date:</b>	16 Jul 2020 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>PCN Samples Contact:</b>	<p>Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a>;  <a href="mailto:Bokyun.Seo@onsemi.com">&lt;Bokyun.Seo@onsemi.com&gt;</a> ; <a href="mailto:Sariman.T@onsemi.com">&lt;Sariman.T@onsemi.com&gt;</a> ; <a href="mailto:JinMan.Song@onsemi.com">&lt;JinMan.Song@onsemi.com&gt;</a> ;  <a href="mailto:David.Zhu@onsemi.com">&lt;David.Zhu@onsemi.com&gt;</a>;&lt;<a href="mailto:Raja.Roziah.Rahmat@onsemi.com">Raja.Roziah.Rahmat@onsemi.com</a>&gt;;&lt;<a href="mailto:CheePin.Tay@onsemi.com">CheePin.Tay@onsemi.com</a>&gt;;  <a href="mailto:Khairil.FK@onsemi.com">&lt;Khairil.FK@onsemi.com&gt;</a></p> <p>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.</p>	
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Lake.Wang@onsemi.com">Lake.Wang@onsemi.com</a>	
<b>Type of Notification:</b>	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.  ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a></p>	
<b>Marking of Parts/ Traceability of Change:</b>	Product with date code 1949 or newer will be assembled with the new mold compound.	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>ON Semiconductor Sites</b>	<b>External Foundry/Subcon Sites</b>	
ON Semiconductor Suzhou, China	None	
<b>Description and Purpose:</b>		
<p>ON Semiconductor wishes to inform our customers of a change in mold compounds used for the devices listed in this PCN. This change is a result of an End of Life notification received from Samsung for several of their SDI Mold Compounds.</p> <p>Due to the discontinuance of the SDI mold compounds, ON Semiconductor will only have limited supplies of the existing material and in some cases this may not allow for the normal change notification period.</p> <p>All other aspects of the impacted products (form, fit, function) will remain unchanged.</p>		
	<b>Before Change Description</b>	<b>After Change Description</b>
Mold Compound	SI7200DX2; Supplier: Samsung SDI	KTMC1050GFB, Supplier : KCC
Mold Compound	SG8200DL; Supplier: Samsung SDI	KTMC1050GFB, Supplier : KCC

**Reliability Data Summary:****QV DEVICE NAME:** KSC5603DTU ( PTI : FD )**RMS** : U56675**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +110°C, RH=85%, bias = 80% of rated BV or 100V max	264 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** FDP12N60NZ ( PTI : FA )**RMS** : U56667**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** FDP020N06B ( PTI : FA )**RMS** : U56664**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10



**QV DEVICE NAME:** FDP8440 ( PTI : FA )

**RMS** : U56665

**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** FCP104N60 ( PTI : FA )

**RMS** : U56670, U60440

**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** FDP8D5N10C ( PTI : FA )

**RMS** : U56671

**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +110°C, RH=85%, bias = 80% of rated BV or 100V max	264 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** FDP2D9N12C ( PTI : FA )**RMS** : U59502**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 100% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** HGTP20N60A4 ( PTI : FC )**RMS** : U56674**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

**QV DEVICE NAME:** RURP15100\_F085P ( PTI : FC )**RMS** : U56673**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
HAST	JESD22 A110	Temp= +110°C, RH=85% , bias = 80% of rated BV or 100V max	264hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB		0/18
CDPA X Section	AEC -006	Post TC, HTRB		0/9
Shift		Shift Analysis for HTRB/HTSL/TC/HAST		Pass



**QV DEVICE NAME:** FFSP3065B-F085 ( PTI : FM )

**RMS** : U56678

**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
HAST	JESD22 A110	Temp= +110°C, RH=85% , bias = 80% of rated BV or 100V max	264hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB		0/18
CDPA X Section	AEC -006	Post TC, HTRB		0/9
Shift		Shift Analysis for HTRB/HTSL/TC/HAST		Pass

**QV DEVICE NAME:** FDP42AN15A0-SB82024A ( PTI : F3 )

**RMS** : U56668

**PACKAGE** : TO-220

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTGB	JESD22-A108	Ta = 175°C for 1008 hours, 100% rated Vgs	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
IOL	MIL STD 750, M 1037 AEC Q101	Ta=+25°C, delta Tj=100°C max, Ton=Toff is 3.5min	8572Cyc	0/231
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB,HTGB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB, HTGB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB, HTGB		0/18
CDPA X Section	AEC -006	Post TC, HTRB, HTGB		0/9
Shift		Shift Analysis for HTRB/HTGB/HTSL/TC/IOL/HAST		Pass

**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
FQP6N60C	FDP12N60NZ
FQP6N90C	FDP12N60NZ
FQP7N20	FDP12N60NZ
FQP7P06	FDP12N60NZ
FQP85N06	FDP12N60NZ
FQP8N80C	FDP12N60NZ
FQP8N90C	FDP12N60NZ
FQP8P10	FDP12N60NZ
FQP9N30	FDP12N60NZ
TIP120TU	KSC5603DTU
TIP121TU	KSC5603DTU
TIP125TU	KSC5603DTU
TIP142TTU	KSC5603DTU
TIP147TTU	KSC5603DTU
TIP42CTU	KSC5603DTU
FCP099N60E	FCP104N60
FCP104N60	FCP104N60
FCP110N65F	FCP104N60
FCP130N60	FCP104N60
FCP150N65F	FCP104N60
FCP170N60	FCP104N60
FCP190N60	FCP104N60
FCP190N60E	FCP104N60
FCP190N60-GF102	FCP104N60
FCP190N65F	FCP104N60
FCP260N60E	FCP104N60



FCP36N60N	FCP104N60
FCP600N60Z	FCP104N60
FDP020N06B-F102	FDP12N60NZ
FDP025N06	FDP8440
FDP027N08B-F102	FDP12N60NZ
FDP030N06B-F102	FDP12N60NZ
FDP032N08	FDP8440
FDP032N08B-F102	FDP12N60NZ
FDP036N10A	FDP12N60NZ
FDP039N08B-F102	FDP8440
FDP045N10A-F102	FDP12N60NZ
FDP047AN08A0-G	FDP42AN15A0-SB82024A
FDP047N08	FDP8440
FDP047N08-F102	FDP8440
FDP047N10	FDP8440
FDP053N08B-F102	FDP12N60NZ
FDP054N10	FDP8440
FDP083N15A-F102	FDP12N60NZ
FDP085N10A-F102	FDP12N60NZ
FDP090N10	FDP8440
FDP100N10	FDP8440
FDP150N10	FDP8440
FDP150N10A-F102	FDP12N60NZ
FDP18N20F	FDP12N60NZ
FDP20N50	FDP12N60NZ
FDP20N50F	FDP12N60NZ
FDP22N50N	FDP12N60NZ
FDP24N40	FDP12N60NZ
FDP26N40	FDP12N60NZ
FDP2D3N10C	FDP8D5N10C
FDP2D9N12C	FDP2D9N12C
FDP4D5N10C	FDP8D5N10C
FDP8447L	FDP8440
FDP8860	FDP8440



FDP8880	FDP8440
FDP8D5N10C	FDP8D5N10C
FFP08S60SNTU	RURP15100-F085P
FFP08S60STU	RURP15100-F085P
FFP15S60STU	RURP15100-F085P
FFP30S60STU	RURP15100-F085P
FFSP05120A	FFSP3065B-F085
FFSP0665A	FFSP3065B-F085
FFSP0665B	FFSP3065B-F085
FFSP08120A	FFSP3065B-F085
FFSP0865A	FFSP3065B-F085
FFSP0865B	FFSP3065B-F085
FFSP1065A	FFSP3065B-F085
FFSP1065B	FFSP3065B-F085
FFSP1265A	FFSP3065B-F085
FFSP15120A	FFSP3065B-F085
FFSP2065A	FFSP3065B-F085
FFSP2065B	FFSP3065B-F085
FFSP3065A	FFSP3065B-F085
FFSP3065B	FFSP3065B-F085
FJP13009H2TU	KSC5603DTU
FQP10N20C	FDP12N60NZ
FQP12P10	FDP12N60NZ
FQP12P20	FDP12N60NZ
FQP13N10	FDP12N60NZ
FQP13N50	FDP12N60NZ
FQP16N25	FDP12N60NZ
FQP17N40	FDP12N60NZ
FQP17P06	FDP12N60NZ
FQP17P10	FDP12N60NZ
FQP19N20	FDP12N60NZ
FQP20N06	FDP12N60NZ
FQP20N06L	FDP12N60NZ
FQP22N30	FDP12N60NZ





FQP27N25	FDP12N60NZ
FQP2N40-F080	FDP12N60NZ
FQP2N90	FDP12N60NZ
FQP2P40-F080	FDP12N60NZ
FQP30N06	FDP12N60NZ
FQP30N06L	FDP12N60NZ
FQP32N20C	FDP12N60NZ
FQP3N80C	FDP12N60NZ
FQP3P20	FDP12N60NZ
FQP3P50	FDP12N60NZ
FQP44N10	FDP12N60NZ
FQP47P06	FDP12N60NZ
FQP4N20L	FDP12N60NZ
FQP4N90C	FDP12N60NZ
FQP4P40	FDP12N60NZ
FQP50N06L	FDP12N60NZ
FQP55N10	FDP12N60NZ
FQP65N06	FDP12N60NZ
FQP6N40C	FDP12N60NZ
FQP9N90C	FDP12N60NZ
FQP9P25	FDP12N60NZ
HGTP12N60C3D	HGTP20N60A4
HGTP5N120BND	HGTP20N60A4
IRF530A	FDP12N60NZ
IRL640A	FDP12N60NZ
ISL9K460P3	RURP15100-F085P
ISL9R1560P2	RURP15100-F085P
ISL9R3060P2	RURP15100-F085P
ISL9R860P2	RURP15100-F085P
KSA473YTU	KSC5603DTU
KSE13003TH1ATU	KSC5603DTU
KSE44H11TU	KSC5603DTU
RHRP15120	RURP15100-F085P
RHRP1560	RURP15100-F085P



# Final Product/Process Change Notification

Document #:FPCN22647XX

Issue Date:09 Apr 2020

RHRP30120	RURP15100-F085P
RHRP3060	RURP15100-F085P
RHRP8120	RURP15100-F085P
RHRP860	RURP15100-F085P
RURP1560	RURP15100-F085P
RURP3060	RURP15100-F085P
RURP8100	RURP15100-F085P
RURP860	RURP15100-F085P
SFP9530	FDP12N60NZ
TIP105TU	KSC5603DTU
TIP110TU	KSC5603DTU
TIP112TU	KSC5603DTU

Japanese translation of the notification starts here.  
通知の日本語訳はここから始まります。

*Note: The Japanese version is for reference only. In case of any differences between the English and Japanese version, the English version shall control.*

注：日本語版は参照用です。英語版と日本語版の違いがある場合は、英語版が優先されます。



## 最終製品 / プロセス変更通知

文書番号# : FPCN22647XX

発行日: 09 Apr 2020

2019年10月1日から2020年1月10日までの間、お客様の影響リストのデータに不備があったため、一部の間接販売によるお客様は、製品の変更、製造中止製品、または製品速報を電子メールで予想通りに受け取っていない可能性があります。これらの通知は公式ポータル (<https://www.onsemi.com/PowerSolutions/pcnPub.do>) では公開されていたのですが、オン・セミコンダクターは、外部標準およびオン・セミコンダクターお客様通知ポリシーに則り、実施日を改訂したうえで、影響を受ける通知を再配信する処置を行っております。本件の問題は解決済みです。本件に関するお問い合わせは [PCN.Support@onsemi.com](mailto:PCN.Support@onsemi.com) までお願いします。

変更件名:	FPCN22647XJの再配布(最初の分割)- TO-22における Samsung SDI 製モールド コンパウンドの生産終了に伴うモールド コンパウンドの変更	
初回出荷予定日:	16 Jul 2020 またはお客様からの承認が得られた場合はそれ以前.	
連絡先情報:	現地のオン・セミコンダクター営業所または <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> にお問い合わせください。	
サンプル:	現地のオン・セミコンダクター営業所または <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> ; <a href="mailto:Bokyun.Seo@onsemi.com">Bokyun.Seo@onsemi.com</a> ; <a href="mailto:Sariman.T@onsemi.com">Sariman.T@onsemi.com</a> ; <a href="mailto:JinMan.Song@onsemi.com">JinMan.Song@onsemi.com</a> ; <a href="mailto:David.Zhu@onsemi.com">David.Zhu@onsemi.com</a> ; <a href="mailto:Raja.Roziah.Rahmat@onsemi.com">Raja.Roziah.Rahmat@onsemi.com</a> ; <a href="mailto:CheePin.Tay@onsemi.com">CheePin.Tay@onsemi.com</a> ; <a href="mailto:Khairil.FK@onsemi.com">Khairil.FK@onsemi.com</a> にお問い合わせください。 サンプルは、この変更の初回通知、初回 PCN の日付から 30 日以内に要求してください。 サンプル納入時は、依頼日、数量、特別梱包材/ラベル条件によって異なります。	
追加の信頼性データ:	お客さまの地域のオン・セミコンダクター営業所または <a href="mailto:Lake.Wang@onsemi.com">Lake.Wang@onsemi.com</a> にお問い合わせください。	
通知種別:	これは、お客様宛の最終製品 / プロセス変更通知 (FPCN) です。FPCN は、変更実施の 90 日前に発行されます。 オン・セミコンダクターは、この通知の送付から 30 日以内に書面による問い合わせがない限り、この変更が承諾されたものとみなします。 お問い合わせは、 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> 宛てにお願いします。	
変更部品の識別:	日付コード 1945 以降の製品は、新しいモールドコンパウンドで組み立てられます。	
変更カテゴリ:	アセンブリの変更	
変更サブカテゴリ:	材料の変更	
影響を受ける拠点:		
オン・セミコンダクター拠点:	外部製造工場 / 下請業者拠点:	
ON Semiconductor Suzhou, China	無し	
説明および目的:	オン・セミコンダクターは、本 FPCN に列記された製品に対するモールド コンパウンドの変更をお客様にお知らせいたします。この変更は、SDI モールド コンパウンドのいくつかについてサムソンから受けた生産終了の通知によるものです。SDI モールド コンパウンドの廃止によって、オン・セミコンダクターでは既存の材料の供給が限定されるようになるため、場合によっては、このことによって通常の変更通知期間が不可能になる場合があります。対象となる製品の他の特徴(形状、適合性、機能)には変更はありません。	
	変更前の表記	変更後の表記
モールド・コンパウンド	SI7200DX2; Supplier: Samsung SDI	KTMC1050GFB, Supplier : KCC
モールド・コンパウンド	SG8200DL; Supplier: Samsung SDI	KTMC1050GFB, Supplier : KCC



## 信頼性データの要約:

デバイス名: KSC5603DTU (PTI: FD)RMS : U56675パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +110°C, RH=85%, bias = 80% of rated BV or 100V max	264 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

デバイス名: FDP12N60NZ (PTI: FA)RMS : U56667パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% of max rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, 96hr, bias = 80% of rated V or 100V max	96hr	0/77
RSH	JESD22 B106	265 C Immersion, 10 sec dwell	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-temp		Tri-Temp Characterization, Per 48A		0/30
TR		Thermal Resistance		0/10
PD		Thermal Resistance Per Case Outline		0/10

デバイス名: FDP020N06B (PTI: FA)RMS : U56664パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10



デバイス名: FDP8440 ( PTI : FA )

RMS : U56665

パッケージ : TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

デバイス名: ECP104N60 ( PTI : FA )

RMS : U56670, U60440

パッケージ : TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

デバイス名: FDP8D5N10C ( PTI : FA )

RMS : U56671

パッケージ : TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +110°C, RH=85%, bias = 80% of rated BV or 100V max	264 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10



デバイス名: FDP2D9N12C ( PTI : FA )

RMS : U59502

パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 100% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 175°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

デバイス名: HGTP20N60A4 ( PTI : FC )

RMS : U56674

パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150 °C for 1008 hours, 100% rated Vgs	1008 hrs	0/77
HTSL	JESD22-A103	TA = 150°C for 1008 hours	1008 hrs	0/77
TC	JESD22-A104	Temp = -55°C to +150°C for 1000 cycles	1000 cyc	0/77
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96 hrs	0/77
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/10
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/15
Tri-Temp		Tri-Temperature, Per 48A		0/30
TR		Provide thermal comparison data to ensure spec compliance		0/10
PD		Per Case Outline		0/10

デバイス名: RURP15100 F085P ( PTI : FC )

RMS : U56673

パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
HAST	JESD22 A110	Temp= +110°C, RH=85% , bias = 80% of rated BV or 100V max	264hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB		0/18
CDPA X Section	AEC-006	Post TC, HTRB		0/9
Shift		Shift Analysis for HTRB/HTSL/TC/HAST		Pass



デバイス名: FFSP3065B-F085 ( PTI : FM )

RMS : U56678

パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
HAST	JESD22 A110	Temp= +110°C, RH=85%, bias = 80% of rated BV or 100V max	264hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB		0/18
CDPA X Section	AEC -006	Post TC, HTRB		0/9
Shift		Shift Analysis for HTRB/HTSL/TC/HAST		Pass

デバイス : FDP42AN15A0-SB82024A ( PTI : F3 )

RMS : U56668

パッケージ: TO-220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 175°C for device, bias = 100% of max rated	1008 hrs	0/231
HTGB	JESD22-A108	Ta = 175°C for 1008 hours, 100% rated Vgs	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 175°C for 1008 hours	1008 hrs	0/231
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/231
IOL	MIL STD 750, M 1037 AEC Q101	Ta=+25°C, delta Tj=100°C max, Ton=Toff is 3.5min	8572Cyc	0/231
HAST	JESD22 A110	Temp= +130°C, RH=85%, bias = 80% of rated BV or 100V max	96hrs	0/231
RSH	JESD22-B106	265 °C Immersion and 10s	10s	0/30
SD	J STD 002	Ta=245°C 5 sec dwell	5s	0/45
PD		Per Case Outline		0/30
Tri-temp		Tri-Temp Characterization, Per 48A		0/90
TR		Thermal Resistance		0/30
CDPA TCDT	AEC Q101, rev D, test 7A (alt)	Custom Destructive Physical Analysis - TC Delamination Test, Post 1000 cyc TC		0/66
CDPA SAT	AEC-006	Post HTRB, HTGB		0/66
DPA	AEC-Q101-004 Section 4	Destructive Physical Analysis Post TC, HAST, HTRB, HTGB		0/6
CDPA WP BS	MIL 883E, AEC - 006	Custom Destructive Physical Analysis - Wire Pull, Ball Shear Post TC, HTRB, HTGB		0/18
CDPA X Section	AEC -006	Post TC, HTRB, HTGB		0/9
Shift		Shift Analysis for HTRB/HTGB/HTSL/TC/IOL/HAST		Pass





## 電気的特性の要約:

電気的特性への影響はありません。

## 影響を受ける部品の一覧:

注: 部品一覧には標準部品番号 (既製品) のみが記載されています。本 PCN の影響を受けるカスタム部品番号は、PCN メールで提供される顧客個別の付録、または PCN カスタマイズポータルに記載されています。

部品番号	認定試験用ピークル
FQP6N60C	FDP12N60NZ
FQP6N90C	FDP12N60NZ
FQP7N20	FDP12N60NZ
FQP7P06	FDP12N60NZ
FQP85N06	FDP12N60NZ
FQP8N80C	FDP12N60NZ
FQP8N90C	FDP12N60NZ
FQP8P10	FDP12N60NZ
FQP9N30	FDP12N60NZ
TIP120TU	KSC5603DTU
TIP121TU	KSC5603DTU
TIP125TU	KSC5603DTU
TIP142TTU	KSC5603DTU
TIP147TTU	KSC5603DTU
TIP42CTU	KSC5603DTU
FCP099N60E	FCP104N60
FCP104N60	FCP104N60
FCP110N65F	FCP104N60
FCP130N60	FCP104N60
FCP150N65F	FCP104N60
FCP170N60	FCP104N60
FCP190N60	FCP104N60
FCP190N60E	FCP104N60
FCP190N60-GF102	FCP104N60
FCP190N65F	FCP104N60
FCP260N60E	FCP104N60
FCP36N60N	FCP104N60
FCP600N60Z	FCP104N60



FDP020N06B-F102	FDP12N60NZ
FDP025N06	FDP8440
FDP027N08B-F102	FDP12N60NZ
FDP030N06B-F102	FDP12N60NZ
FDP032N08	FDP8440
FDP032N08B-F102	FDP12N60NZ
FDP036N10A	FDP12N60NZ
FDP039N08B-F102	FDP8440
FDP045N10A-F102	FDP12N60NZ
FDP047AN08A0-G	FDP42AN15A0-SB82024A
FDP047N08	FDP8440
FDP047N08-F102	FDP8440
FDP047N10	FDP8440
FDP053N08B-F102	FDP12N60NZ
FDP054N10	FDP8440
FDP083N15A-F102	FDP12N60NZ
FDP085N10A-F102	FDP12N60NZ
FDP090N10	FDP8440
FDP100N10	FDP8440
FDP150N10	FDP8440
FDP150N10A-F102	FDP12N60NZ
FDP18N20F	FDP12N60NZ
FDP20N50	FDP12N60NZ
FDP20N50F	FDP12N60NZ
FDP22N50N	FDP12N60NZ
FDP24N40	FDP12N60NZ
FDP26N40	FDP12N60NZ
FDP2D3N10C	FDP8D5N10C
FDP2D9N12C	FDP2D9N12C
FDP4D5N10C	FDP8D5N10C
FDP8447L	FDP8440
FDP8860	FDP8440
FDP8880	FDP8440
FDP8D5N10C	FDP8D5N10C
FFP08S60SNTU	RURP15100-F085P
FFP08S60STU	RURP15100-F085P



FFP15S60STU	RURP15100-F085P
FFP30S60STU	RURP15100-F085P
FFSP05120A	FFSP3065B-F085
FFSP0665A	FFSP3065B-F085
FFSP0665B	FFSP3065B-F085
FFSP08120A	FFSP3065B-F085
FFSP0865A	FFSP3065B-F085
FFSP0865B	FFSP3065B-F085
FFSP1065A	FFSP3065B-F085
FFSP1065B	FFSP3065B-F085
FFSP1265A	FFSP3065B-F085
FFSP15120A	FFSP3065B-F085
FFSP2065A	FFSP3065B-F085
FFSP2065B	FFSP3065B-F085
FFSP3065A	FFSP3065B-F085
FFSP3065B	FFSP3065B-F085
FJP13009H2TU	KSC5603DTU
FQP10N20C	FDP12N60NZ
FQP12P10	FDP12N60NZ
FQP12P20	FDP12N60NZ
FQP13N10	FDP12N60NZ
FQP13N50	FDP12N60NZ
FQP16N25	FDP12N60NZ
FQP17N40	FDP12N60NZ
FQP17P06	FDP12N60NZ
FQP17P10	FDP12N60NZ
FQP19N20	FDP12N60NZ
FQP20N06	FDP12N60NZ
FQP20N06L	FDP12N60NZ
FQP22N30	FDP12N60NZ
FQP27N25	FDP12N60NZ
FQP2N40-F080	FDP12N60NZ
FQP2N90	FDP12N60NZ
FQP2P40-F080	FDP12N60NZ
FQP30N06	FDP12N60NZ
FQP30N06L	FDP12N60NZ



FQP32N20C	FDP12N60NZ
FQP3N80C	FDP12N60NZ
FQP3P20	FDP12N60NZ
FQP3P50	FDP12N60NZ
FQP44N10	FDP12N60NZ
FQP47P06	FDP12N60NZ
FQP4N20L	FDP12N60NZ
FQP4N90C	FDP12N60NZ
FQP4P40	FDP12N60NZ
FQP50N06L	FDP12N60NZ
FQP55N10	FDP12N60NZ
FQP65N06	FDP12N60NZ
FQP6N40C	FDP12N60NZ
FQP9N90C	FDP12N60NZ
FQP9P25	FDP12N60NZ
HGTP12N60C3D	HGTP20N60A4
HGTP5N120BND	HGTP20N60A4
IRF530A	FDP12N60NZ
IRL640A	FDP12N60NZ
ISL9K460P3	RURP15100-F085P
ISL9R1560P2	RURP15100-F085P
ISL9R3060P2	RURP15100-F085P
ISL9R860P2	RURP15100-F085P
KSA473YTU	KSC5603DTU
KSE13003TH1ATU	KSC5603DTU
KSE44H11TU	KSC5603DTU
RHRP15120	RURP15100-F085P
RHRP1560	RURP15100-F085P
RHRP30120	RURP15100-F085P
RHRP3060	RURP15100-F085P
RHRP8120	RURP15100-F085P
RHRP860	RURP15100-F085P
RURP1560	RURP15100-F085P
RURP3060	RURP15100-F085P
RURP8100	RURP15100-F085P
RURP860	RURP15100-F085P



## 最終製品 / プロセス変更通知

文書番号# : FPCN22647XX

発行日: 09 Apr 2020

SFP9530	FDP12N60NZ
TIP105TU	KSC5603DTU
TIP110TU	KSC5603DTU
TIP112TU	KSC5603DTU



## Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FQP55N10		FDP12N60NZ		
FQP50N06L		FDP12N60NZ		
FQP4N90C		FDP12N60NZ		
FQP47P06		FDP12N60NZ		
FQP3P50		FDP12N60NZ		
FQP30N06L		FDP12N60NZ		
FQP2N90		FDP12N60NZ		
FQP2N40-F080		FDP12N60NZ		
FQP20N06		FDP12N60NZ		
FQP17P10		FDP12N60NZ		
FQP17P06		FDP12N60NZ		
FQP17N40		FDP12N60NZ		
FQP16N25		FDP12N60NZ		
FQP13N50		FDP12N60NZ		
FQP12P20		FDP12N60NZ		
FJP13009H2TU		KSC5603DTU		
FFSP1265A		FFSP3065B-F085		
FFP30S60STU		RURP15100-F085P		
FQP44N10		FDP12N60NZ		
FQP3P20		FDP12N60NZ		
FQP19N20		FDP12N60NZ		
FQP13N10		FDP12N60NZ		
FFSP1065A		FFSP3065B-F085		
FFP15S60STU		RURP15100-F085P		
FDP26N40		FDP12N60NZ		
FDP20N50F		FDP12N60NZ		
FDP18N20F		FDP12N60NZ		
FDP150N10A-F102		FDP12N60NZ		
FDP150N10		FDP8440		
FDP083N15A-F102		FDP12N60NZ		
FDP053N08B-F102		FDP12N60NZ		
FDP047N10		FDP8440		
FDP045N10A-F102		FDP12N60NZ		
FDP036N10A		FDP12N60NZ		
FDP032N08B-F102		FDP12N60NZ		
FDP030N06B-F102		FDP12N60NZ		
FDP027N08B-F102		FDP12N60NZ		
FCP36N60N		FCP104N60		
RHRP30120		RURP15100-F085P		
RHRP1560		RURP15100-F085P		
RHRP15120		RURP15100-F085P		
KSE44H11TU		KSC5603DTU		



## Appendix A: Changed Products

DIKG : DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
KSA473YTU		KSC5603DTU		
ISL9R860P2		RURP15100-F085P		
ISL9R3060P2		RURP15100-F085P		
ISL9R1560P2		RURP15100-F085P		
IRL640A		FDP12N60NZ		
IRF530A		FDP12N60NZ		
FQP9P25		FDP12N60NZ		
FQP9N90C		FDP12N60NZ		
FQP6N40C		FDP12N60NZ		
FQP65N06		FDP12N60NZ		
FQP4P40		FDP12N60NZ		
FQP4N20L		FDP12N60NZ		
FQP3N80C		FDP12N60NZ		
FQP32N20C		FDP12N60NZ		
FQP30N06		FDP12N60NZ		
FQP2P40-F080		FDP12N60NZ		
FQP27N25		FDP12N60NZ		
FQP22N30		FDP12N60NZ		
FQP20N06L		FDP12N60NZ		
FQP12P10		FDP12N60NZ		
FQP10N20C		FDP12N60NZ		
FFSP2065A		FFSP3065B-F085		
FFSP15120A		FFSP3065B-F085		
FFSP0865A		FFSP3065B-F085		
FFP08S60STU		RURP15100-F085P		
FFP08S60SNTU		RURP15100-F085P		
FDP8880		FDP8440		
FDP8860		FDP8440		
FDP8447L		FDP8440		
FDP24N40		FDP12N60NZ		
FDP22N50N		FDP12N60NZ		
FDP20N50		FDP12N60NZ		
FDP100N10		FDP8440		
FDP090N10		FDP8440		
FDP085N10A-F102		FDP12N60NZ		
FDP054N10		FDP8440		
FDP047N08		FDP8440		
FDP032N08		FDP8440		
FDP025N06		FDP8440		
FDP020N06B-F102		FDP12N60NZ		
FCP600N60Z		FCP104N60		
FCP260N60E		FCP104N60		



## Appendix A: Changed Products

DIKG : DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FCP190N65F		FCP104N60		
FCP190N60-GF102		FCP104N60		
FCP190N60E		FCP104N60		
KSE13003TH1ATU		KSC5603DTU		
HGTP12N60C3D		HGTP20N60A4		
FFSP3065B		FFSP3065B-F085		
FFSP3065A		FFSP3065B-F085		
FFSP2065B		FFSP3065B-F085		
FFSP0865B		FFSP3065B-F085		
FFSP08120A		FFSP3065B-F085		
FFSP0665B		FFSP3065B-F085		
FDP039N08B-F102		FDP8440		
TIP112TU		KSC5603DTU		
TIP110TU		KSC5603DTU		
TIP105TU		KSC5603DTU		
RURP860		RURP15100-F085P		
RURP8100		RURP15100-F085P		
RURP3060		RURP15100-F085P		
RURP1560		RURP15100-F085P		
RHRP860		RURP15100-F085P		
RHRP8120		RURP15100-F085P		
RHRP3060		RURP15100-F085P		
FFSP1065B		FFSP3065B-F085		
FCP190N60		FCP104N60		
FCP170N60		FCP104N60		
FCP150N65F		FCP104N60		
FCP130N60		FCP104N60		
FCP110N65F		FCP104N60		
FCP104N60		FCP104N60		
FCP099N60E		FCP104N60		
TIP42CTU		KSC5603DTU		
TIP147TTU		KSC5603DTU		
TIP142TTU		KSC5603DTU		
TIP125TU		KSC5603DTU		
TIP121TU		KSC5603DTU		
TIP120TU		KSC5603DTU		
FQP9N30		FDP12N60NZ		
FQP8P10		FDP12N60NZ		
FQP8N80C		FDP12N60NZ		
FQP85N06		FDP12N60NZ		
FQP7P06		FDP12N60NZ		
FQP7N20		FDP12N60NZ		





---

## Appendix A: Changed Products

---

DIKG : DIGI-KEY

---

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FFSP0665A		FFSP3065B-F085		
FQP6N90C		FDP12N60NZ		
FQP6N60C		FDP12N60NZ		