



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

Title of Change:	Qualification of FRD Rectifiers, UniFET's, and other discrete products at onsemi Roznov, Czech Republic.
Proposed First Ship date:	27 Dec 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office
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 songyong.sim@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:	Date Code
Change Category:	Wafer Fab Change
Change Sub-Category(s):	Manufacturing Site Transfer
Sites Affected:	
onsemi Sites	External Foundry/Subcon Sites
onsemi Roznov, Czech Republic	None

Description and Purpose:

This notification is to inform the customers that onsemi qualified their FRD Rectifiers, UniFET's, and other discrete products at onsemi Roznov, Czech Republic. Some of the parts may also undergo a wafer probe alternate location, but there is no impact to the 100% final electrical test.

	Before Change Description	After Change Description
Wafer fab	onsemi Bucheon, Korea	onsemi Roznov, Czech Republic onsemi Bucheon, Korea

There are no product material changes and no product marking changes as a result of this change.



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Reliability Data Summary:

QV DEVICE NAME: FDA24N50 (QV1-1)

RMS: K83993, K86200

PACKAGE: TO3P

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	In process
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/120
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/120
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/119

QV DEVICE NAME: FSL306LRLX (QV1-2)

RMS: K84642, K85655

PACKAGE: PDIP7 GULLWING

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/77
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only	-	-
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/77
HAST	JESD22-A110	130°C, 85% RH, 33.3psig, bias	96 hrs	In progress
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77

QV DEVICE NAME: FQA28N50 (QV2-1)

RMS: K84460

PACKAGE: TO3P

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	In process
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	0/80
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/40
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/40
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/40

QV DEVICE NAME: FQA70N15 (QV2-2)

RMS: K87030

PACKAGE: TO3P

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 175°C, 80% max rated V	1008 hrs	In process
HTGB	JESD22-A108	Tj= 175°C, 100% max rated Vgss	1008 hrs	In process
HTSL	JESD22-A103	Ta= 175°C	1008 hrs	In process
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	In process
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/40
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	In process

QV DEVICE NAME: FQD2N100TM (QV2-3)

RMS: K87031

PACKAGE: DPAK

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	In process
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	In process
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	In process
PC	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only	-	-
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	In process
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	In process
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	In process

QV DEVICE NAME: FGH75T65SQDTL4 (QV3-1)

RMS: V85658

PACKAGE: TO-247

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=175°C, 80% rated V	1008hrs	In progress
HTGB	JESD22-A108	Ta=175°C, 100% max rated Vgss	1008 hrs	In progress
HTSL	JESD22-A103	Ta=175°C	1008hrs	In progress
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 5min	6000cyc	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	In progress
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30

QV DEVICE NAME: FFPF10F150STU (QV6)

RMS: U86066, S87157

PACKAGE: TO-220-2

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=175°C, 80% rated V	1008hrs	In progress
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 5min	6000cyc	In progress
TC	JESD22-A104	Ta= -55°C to +150°C	1000cyc	In progress
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	In progress
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30

QV DEVICE NAME: NFVA35065L32 (QV8-1)

RMS: 83762, 84035

PACKAGE: ASPM27

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108, AQG324	Tj=175°C, 100% max rated V	1008 hrs	0/78
TC	JESD22-A104, AQG324	Ta= -40°C to +125°C	1000 cyc	0/39
TS1	AQG324	Ta= -40°C to +125°C, transition <30sec	1000 cyc	0/18
TS2	AQG324	Ta= -40°C to +125°C, transition <30sec, with heat sink	1000 cyc	0/6
H3TRB	JESD22-A110	85°C, 85% RH, 18.8psig, bias 100V	1008 hrs	0/78
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/36

QV DEVICE NAME: FGHL75T65MQD (QV8-2)

RMS: S85126

PACKAGE: TO-247

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=175°C, 80% rated V	1008hrs	0/231
HTGB	JESD22-A108	Ta=175°C, 100% max rated Vgss	1008 hrs	0/231
HTSL	JESD22-A103	Ta=175°C	1008hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 5min	6000cyc	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30

QV DEVICE NAME: FGA60N65SMD (QV8-3)

RMS: V85129

PACKAGE: TO-247

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=175°C, 80% rated V	1008hrs	0/231
HTGB	JESD22-A108	Ta=175°C, 100% max rated Vgss	1008 hrs	0/231
HTSL	JESD22-A103	Ta=175°C	1008hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 5min	6000cyc	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30

QV DEVICE NAME: FDA28N50 (QV7-1)

RMS: K86421

PACKAGE: TO3P

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	In process
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	In process
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	In process
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	In process
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/80
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80

QV DEVICE NAME: FDB52N20TM (QV7-2)

RMS: U86419

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	0/80
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	0/80
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
PC	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only	-	-
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572 cyc	In process
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/37
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/40
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/40



Final Product/Process Change Notification

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Issue Date:27 Sep 2022

QV DEVICE NAME: FGH75T65SHD-F155

RRF: 68330, 68385

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Tj = 175°C , 100% max rated V	1008 hrs	0/77
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/77
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 Hrs	0/77
IOL	MIL STD750 (M 1037) AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =5 min	6000 cyc	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30

QV DEVICE NAME: RHRG75120

RRF: 68323, 68388

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Tj = 175°C , 80% max rated V	1008 hrs	0/231
HAST	JESD22-A110	130°C, 85%RH, 18.8 psig, bias	96hrs	0/231
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/231
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/231
HTSL	JESD22-A103	Ta = 175°C	1008 hrs	0/231
IOL	MIL STD750 (M 1037) AEC Q101	Ta=+25°C, delta Tj=100°C,on/off =5 min	6000 cyc	0/231
RSH	JESD22- B106	Ta=265°C, 10 sec		0/90

QV DEVICE NAME: FFH30S60STU

RRF: 68326, 68387

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Tj = 175°C , 80% max rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 175°C	1008 hrs	0/77
IOL	MIL STD750 (M 1037) AEC-Q101	Ta=+25°C, delta Tj=100°C, On/off =5 min	6000 cyc	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
H3TRB	JESD22-A101	85°C, 85% RH, 18.8psig, bias	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85%RH, 18.8 psig, unbiased	96hrs	0/77
RSH	JESD22- B106	Ta=265°C, 10 sec		0/30



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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
FDB12N50TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDB20N50F	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDB28N30TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDB33N25TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDB38N30U	FDA28N50, FDB52N20TM
FDB44N25TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDB52N20TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDD18N20LZ	FDA28N50, FDB52N20TM
FDD3N40TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDD7N20TM	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDD7N25LZTM	FDA28N50, FDB52N20TM
FDH45N50F-F133	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDH50N50-F133	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDL100N50F	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDMC2523P	FQA28N50, FQA70N15, FQD2N100TM
FDP18N50	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDP20N50F	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDP33N25	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDP51N25	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDP52N20	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDP61N20	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF15N65	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF18N20FT	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF18N50	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF18N50T	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF20N50FT	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

FDPF20N50T	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF33N25T	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF39N20	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF44N25T	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDPF51N25	FDA28N50, FDB52N20TM
FDPF55N06	FDA24N50, FSL306LRLX
FDT4N50NZU	FDA24N50, FSL306LRLX
FFPF10F150STU	FFPF10F150STU
FGA40T65SHD	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGA60N65SMD	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH15T120SMD-F155	RHRG75120, RHRG75120
FGH20N60SFDTU	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH25T120SMD-F155	RHRG75120
FGH40N60SFDTU	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH40N60SMD	RHRG75120, RHRG75120
FGH40N60UFDTU	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH40T100SMD-F155	RHRG75120, RHRG75120
FGH40T65SHD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH40T65SHDF-F155	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FGH40T65SQD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH4L50T65SQD	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH50T65SQD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH50T65UPD	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH60N60SFDTU	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH60N60SMD	RHRG75120, RHRG75120
FGH60N60UFDTU	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH60T65SHD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH60T65SQD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH75T65SHD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH75T65SHDT-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH75T65SHDTL4	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH75T65SQD-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGH75T65SQDT-F155	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL40T65LQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD



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Issue Date:27 Sep 2022

FGHL40T65MQD	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL40T65MQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65LQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65LQDTL4	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65MQD	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65MQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65MQDTL4	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL50T65SQDT	FGH75T65SQDTL4, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL75T65LQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL75T65LQDTL4	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL75T65MQD	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL75T65MQDT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGHL75T65MQDTL4	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FGL40N120ANDTU	RHRG75120, RHRG75120
FGY100T65SCDT	RHRG75120
FLS0116MX	FDA24N50, FSL306LRLX
FNA22512A	RHRG75120, FGH75T65SQDTL4
FNA23060	RHRG75120
FNA23512A	RHRG75120
FNA25012A	RHRG75120
FNA25060	RHRG75120, FGH75T65SQDTL4
FNA27560	RHRG75120
FNA41060B7V	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNA41560	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNA41560T2	RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FNB33060T	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNB33060T6S	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNB34060T	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FNB35060T	RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FNB35060T6S	RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
FNB41060	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNB41060B2	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNB41560B2	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNB43060T2	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

FNC42060F	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNC42060F5	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNC42060F7V	RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FNCS1560L	FFH30S60STU
FND43060T2	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
FPA22012A	FFPF10F150STU
FPA23012A	FFPF10F150STU
FPAB20BH60B	FFPF10F150STU, RHRG75120
FPAB30BH60B	FFPF10F150STU, RHRG75120
FPAM30LH60	FFPF10F150STU, RHRG75120
FPAM50LH60G	FFPF10F150STU, RHRG75120, RHRG75120
FPCS1560L	FFPF10F150STU, FGH75T65SQDTL4
FPCS3060L	FFPF10F150STU, FGH75T65SQDTL4
FPDB40PH60B	FFPF10F150STU, FGH75T65SQDTL4
FPDB60PH60B	FFPF10F150STU, FGH75T65SQDTL4
FPDL10BH60	FFPF10F150STU, FGH75T65SQDTL4
FPDL10BH60L	FFPF10F150STU, FGH75T65SQDTL4
FPDL15BH60	FFPF10F150STU, FGH75T65SQDTL4
FQD17P06TM	FQA28N50, FQA70N15, FQD2N100TM
FQD19N10LTM	FQA28N50, FQA70N15, FQD2N100TM
FQD2N90TM	FQA28N50, FQA70N15, FQD2N100TM
FQD2P40TM	FQA28N50, FQA70N15, FQD2N100TM
FQD30N06TM	FQA28N50, FQA70N15, FQD2N100TM
FQD3P50TM	FQA28N50, FQA70N15, FQD2N100TM
FQD4P40TM	FQA28N50, FQA70N15, FQD2N100TM
FQD5P20TM	FQA28N50, FQA70N15, FQD2N100TM
FQD7N20LTM	FQA28N50, FQA70N15, FQD2N100TM
FQD7P20TM	FQA28N50, FQA70N15, FQD2N100TM
FQD8P10TM	FQA28N50, FQA70N15, FQD2N100TM
FQI7N60TU	FQA28N50, FQA70N15, FQD2N100TM
FQP17N40	FQA28N50, FQA70N15, FQD2N100TM
FQP17P06	FQA28N50, FQA70N15, FQD2N100TM
FQP17P10	FQA28N50, FQA70N15, FQD2N100TM
FQP19N20-T	FQA28N50, FQA70N15, FQD2N100TM



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

FQP27P06	FQA28N50, FQA70N15, FQD2N100TM
FQP3P50	FQA28N50, FQA70N15, FQD2N100TM
FQP47P06	FQA28N50, FQA70N15, FQD2N100TM
FQPF27N25	FQA28N50, FQA70N15, FQD2N100TM
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FQPF47P06	FQA28N50, FQA70N15, FQD2N100TM
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FQPF9P25	FQA28N50, FQA70N15, FQD2N100TM
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FQT4N20LTF	FQA28N50, FQA70N15, FQD2N100TM
FQT5P10TF	FQA28N50, FQA70N15, FQD2N100TM
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FSB50250AS	RHRG75120, FDA28N50, FDB52N20TM
FSB50250AT	RHRG75120, FDA28N50, FDB52N20TM
FSB50250US	FDA28N50, FDB52N20TM
FSB50325AP	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50450AS	FFH30S60STU
FSB50450US	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50550AB	RHRG75120, FDA28N50, FDB52N20TM
FSB50550AS	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50550ASE	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50550AT	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50550BB	FDA28N50, FDB52N20TM
FSB50550BS	RHRG75120
FSB50550US	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50825AB	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50825AS	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB50825US	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FSB70250	FDA24N50, FSL306LRLX
FSB70450	FDA24N50, FSL306LRLX
FSBB10CH120D	FGH75T65SQDTL4
FSBB10CH120DF	FGH75T65SQDTL4



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

FSBB10CH120DFL	FGH75T65SQDTL4
FSBB15CH60C	RHRG75120
FSBB15CH60D	RHRG75120
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FSFM300N	FDA24N50, FSL306LRLX
FSGM300N	FDA24N50, FSL306LRLX
FSL106MR	FDA24N50, FSL306LRLX
FSL116HR	FDA24N50, FSL306LRLX
FSL126MR	FDA24N50, FSL306LRLX
FSL136HR	FDA24N50, FSL306LRLX
FSL136HRLX	FDA24N50, FSL306LRLX
FSL136MR	FDA24N50, FSL306LRLX
FSL137MRIN	FQA28N50, FQA70N15, FQD2N100TM
FSL146MRBN	FDA24N50, FSL306LRLX
FSL156MRBN	FDA24N50, FSL306LRLX
FSL156MRIN	FDA24N50, FSL306LRLX
FSL156MRISN	FDA24N50, FSL306LRLX
FSL306LRLX	FDA24N50, FSL306LRLX
FSL306LRN	FDA24N50, FSL306LRLX
FSL336LRLX	FDA24N50, FSL306LRLX
FSL336LRN	FDA24N50, FSL306LRLX
FSL4110LRLX	FQA28N50, FQA70N15, FQD2N100TM
FSL4110LRN	FQA28N50, FQA70N15, FQD2N100TM
FSQ0365RLX	FQA28N50, FQA70N15, FQD2N100TM
FSQ0365RN	FQA28N50, FQA70N15, FQD2N100TM
FSQ0370RLA	FQA28N50, FQA70N15, FQD2N100TM
FSQ0370RNA	FQA28N50, FQA70N15, FQD2N100TM
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HGTG30N60A4D	RHRG75120, RHRG75120
HGTP5N120BND	RHRG75120
ISL9R18120S3ST	FGH75T65SQDTL4
NBC9613	FDA28N50, FDB52N20TM
NBC9614	FDA28N50, FDB52N20TM
NBC9615	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

NBC9616	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
NBC9620	RHRG75120, FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
NBC9624	RHRG75120
NFA50460R47	RHRG75120
NFA50460R4B	RHRG75120
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NFAL5065L4BT	FFPF10F150STU, RHRG75120, FGH75T65SQDTL4
NFAL7565L4B	FFPF10F150STU, RHRG75120
NFAL7565L4BT	FFPF10F150STU, RHRG75120
NFAM2065L4B	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM2065L4BT	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM3065L4B	FFPF10F150STU, RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAM3065L4BT	FFPF10F150STU, RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAM3065L4BTL	FFPF10F150STU, RHRG75120, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAM5065L4B	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM5065L4BBA	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM5065L4BL	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM5065L4BT	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAM5065L4BTL	FFPF10F150STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFAP0560L3TT	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAP1060L3TT	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAQ0860L33T	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAQ0860L36T	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAQ1060L33T	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFAQ1060L36T	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFCS1060L3TT	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NFL25065L4BT	FFPF10F150STU, FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NFP36060L42T	FFPF10F150STU, FGH75T65SQDTL4
NVH820S75L4SPM	NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NXH027B120MNF2PTG	RHRG75120
NXH100B120H3Q0PG	FFPF10F150STU



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

NXH100B120H3Q0PTG	FFPF10F150STU
NXH100B120H3Q0SG	FFPF10F150STU
NXH100B120H3Q0STG	FFPF10F150STU
NXH100T120L3Q0S1NG	FGH75T65SQDTL4
NXH160T120L2Q2F2S1G	FGH75T65SQDTL4
NXH200B100H4F2SG	FFPF10F150STU, RHRG75120
NXH200B100H4F2SG-R	FFPF10F150STU, RHRG75120
NXH200T120H3Q2F2SG	RHRG75120, FGH75T65SQDTL4
NXH200T120H3Q2F2STG	RHRG75120, FGH75T65SQDTL4
NXH200T120H3Q2F2STNG	RHRG75120, FGH75T65SQDTL4
NXH240B120H3Q1PG	RHRG75120
NXH240B120H3Q1PG-R	RHRG75120
NXH240B120H3Q1S1G	RHRG75120
NXH240B120H3Q1S1G-R	RHRG75120
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NXH25T120L2Q1PTG	FGH75T65SQDTL4
NXH300B100H4Q2F2PG	FFPF10F150STU
NXH300B100H4Q2F2S1G	FFPF10F150STU
NXH300B100H4Q2F2SG	FFPF10F150STU
NXH300B100H4Q2F2SG-R	FFPF10F150STU
NXH300N95H4Q2F2SG	RHRG75120
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NXH40T120L3Q1SG	FGH75T65SQDTL4
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NXH450B100H4Q2F2SG	FFPF10F150STU
NXH450N65L4Q2F2S1G	FGH75T65SQDTL4
NXH50M65L4C2ESG	FGH75T65SHD-F155, FFH30S60STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NXH50M65L4C2SG	FGH75T65SHD-F155, FFH30S60STU, RHRG75120, NFVA35065L32, FGHL75T65MQD, FGA60N65SMD
NXH50M65L4Q1PTG	FGH75T65SQDTL4



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

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NXH600B100H4Q2F2PG	RHRG75120
NXH600B100H4Q2F2S1G	RHRG75120, FGH75T65SQDTL4
NXH600B100H4Q2F2SG	RHRG75120
NXH600N65L4Q2F2SG	FGH75T65SQDTL4
NXH75M65L4Q1PTG	FGH75T65SQDTL4
NXH75M65L4Q1SG	FGH75T65SQDTL4
NXH800A100L4Q2F2P1G	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NXH800A100L4Q2F2P2G	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NXH800A100L4Q2F2S1G	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NXH800A100L4Q2F2S2G	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
NXH80B120MNQ0SNG	FFPF10F150STU
NXH80T120L2Q0P2G	RHRG75120
NXH80T120L2Q0S2G	RHRG75120
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PCFF75H60F	RHRG75120
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PCFQ13N80W	FQA28N50, FQA70N15, FQD2N100TM
PCFQ50N06LW	FQA28N50, FQA70N15, FQD2N100TM
PCISL9R30120W	FGH75T65SQDTL4
PCR8PA5W	FGH75T65SQDTL4
XCSNXH100M95H3Q2F2PG	RHRG75120
XCNXH80B120H2Q0SG	FFPF10F150STU
STK544UC63K-E	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
SRHRG75120	RHRG75120, RHRG75120
SNXH75M65L3F2STG	RHRG75120, FGH75T65SQDTL4
SNXH600N100L4F5PG	FGH75T65SHD-F155, FFH30S60STU, RHRG75120
SNXH600B100H4Q2F2S1G-S	RHRG75120, FGH75T65SQDTL4



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

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SNXH225B95H3Q2F2PG-S1	FGH75T65SQDTL4
SNXH225B95H3Q2F2PG-N1	FFPF10F150STU, FGH75T65SQDTL4
SNXH225B95H3Q2F2PG-D1	FFPF10F150STU, FGH75T65SQDTL4
SNXH150B95H4Q2F2PG	FFPF10F150STU, RHRG75120
SNXH150B95H3Q2F2PG-R	RHRG75120
SNXH150B95H3Q2F2PG-N	RHRG75120
SNXH100M95L3Q2F2PG	RHRG75120
SNXH100B120H2Q0PG-N	FFPF10F150STU
SFGH15T120SMD-F155	RHRG75120, RHRG75120
RHRG5060	RHRG75120
PCR30160W	FFPF10F150STU
PCR10160W	FFPF10F150STU
PCISL9R30120MF	FGH75T65SQDTL4
PCISL9R1560W	FGH75T65SQDTL4
PCFQ9P25W	FQA28N50, FQA70N15, FQD2N100TM
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PCFQ4N80W	FQA28N50, FQA70N15, FQD2N100TM
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NXH600B100H4Q2F2SG-R	RHRG75120
NXH600B100H4Q2F2PG-R	RHRG75120
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NXH240B120H3Q1P1G	RHRG75120
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FDA16N50-F109	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
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FQA13N80-F109	FQA28N50, FQA70N15, FQD2N100TM
FQA24N60	FQA28N50, FQA70N15, FQD2N100TM
FQA36P15	FQA28N50, FQA70N15, FQD2N100TM
FQA40N25	FQA28N50, FQA70N15, FQD2N100TM



Final Product/Process Change Notification

Document #:FPCN24561X

Issue Date:27 Sep 2022

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FQB44N10TM	FQA28N50, FQA70N15, FQD2N100TM
FQB47P06TM-AM002	FQA28N50, FQA70N15, FQD2N100TM
FQB4N80TM	FQA28N50, FQA70N15, FQD2N100TM
FQB5N90TM	FQA28N50, FQA70N15, FQD2N100TM
FQD11P06TM	FQA28N50, FQA70N15, FQD2N100TM
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ISL9R18120W2	FGH75T65SQDTL4
FDE1N40TF	FDA24N50, FSL306LRLX
FDA69N25	FDA24N50, FSL306LRLX
FDA59N30	FDA28N50, FDB52N20TM
FDA59N25	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM
FDA38N30	FDA24N50, FSL306LRLX, FDA28N50, FDB52N20TM