



Final Product Change Notification

202209021F01 : C90TFS LQFP80 Assembly Site Expansion from ASE-CL to TFME

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 05, 2022 **Effective date:** Jan 03, 2023

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For detailed information we invite you to view this notification online

Management summary

Assembly site expansion for C90TFS parts associated with this notification from the current ASE, Chung Li, Taiwan (ASE-CL) assembly facility to TongFu Microelectronics Co.,Ltd, Nantong, China (TFME) Assembly Facility.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input checked="" type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

NXP Semiconductors announces the Assembly site expansion for C90TFS parts associated with this notification from the current ASE, Chung Li, Taiwan (ASE-CL) assembly facility to TongFu Microelectronics Co.,Ltd, Nantong, China (TFME) Assembly Facility.

Please see attached files for additional details.

Reason

Qualification of TFME is required for manufacturing flexibility and customer supply assurance.

Identification of Affected Products

Top Side Marking

Refer to Remarks section for details

Product Availability

Sample Information

Samples are available upon request

Samples with part number PC56F84766T2VLK/PK10DX256VLK7 will be provided upon request.

Production

Planned first shipment Jan 09, 2023

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Disposition of Old Products

Assembly site expansion. No depletion of Inventory required.

Additional information

Self qualification: view online

Additional documents: view online

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Nov 04, 2022.

Remarks

The assembly site, among other information, is reflected in the package trace code. The format for the NXP standard trace code: AWLYYWWZ is the following:
A=Assembly Site, WL=Wafer Lot, YY=Year, WW=Work Week, Z= Assembly Split Lot.

The current assembly site marking for ASE-CL is A = X
The marking for proposed assembly site TFME is A = XN

TFME LQFP80 12x12 has two Eject Pins Dot while ASE-CL doesn't have Eject Pins Dot. Detailed information is shown in attachment "LQFP80_12x12_visual compare.pdf"

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MK10DN512VCLK10	935317605557	MK10DN512VCLK10	Kinetis 512K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX256VCLK7	935324551557	MK20DX256VCLK7	Kinetis 256K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX256VCLK7	935311026557	MK10DX256VCLK7	Kinetis 256K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DN512VCLK10	935313065557	MK20DN512VCLK10	Kinetis 512K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL252128VCLK4	935323245557	MKL252128VCLK4	32 BIT 128k FLASH	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX128VCLK7	935314757557	MK10DX128VCLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FX512AVCLK12	935323691557	MK22FX512AVCLK12	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FN1M0AVCLK12	935323834557	MK22FN1M0AVCLK12	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL152128VCLK4	935324609557	MKL152128VCLK4	32 BIT,ARM M0+ CORE,128K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DN512VCLK10R	935313065528	MK20DN512VCLK10R	Kinetis 512K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MC56F84766VCLK	935319888557	MC56F84766VCLK	32bit,256k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX128VCLK7	935323284557	MK20DX128VCLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MC56F84786VCLK	935324526557	MC56F84786VCLK	32bit,256k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX256VCLK10	935324541557	MK20DX256VCLK10	KINETIS 256K Flex USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX256VCLK7R	935324551528	MK20DX256VCLK7R	Kinetis 256K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX256VCLK7R	935311026528	MK10DX256VCLK7R	Kinetis 256K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX64VCLK7	935314726557	MK10DX64VCLK7	Kinetis 64K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK12DX256VCLK5	935314825557	MK12DX256VCLK5	ARM+256Kb	(L)QFP80	SOT315-2	RFS	No	BLM1
MK21DN512AVCLK5	935315355557	MK21DN512AVCLK5	ARM+512Kb +USB +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DN512VCLK10R	935317605528	MK10DN512VCLK10R	Kinetis 512K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK40DX256VCLK7	935317617557	MK40DX256VCLK7	Kinetis 256K USB+SLCD	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22DN512VCLK5	935323315557	MK22DN512VCLK5	ARM+512Kb +USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL14264VCLK4	935312094557	MKL14264VCLK4	ARM 32BIT, 64K FLASH, 80	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DX128AVCLK5	935315398557	MK11DX128AVCLK5	ARM+128Kb +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MC56F84565VCLKR	935315873528	MC56F84565VCLKR	32bit,128k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DN512AVCLK5	935316235557	MK11DN512AVCLK5	ARM+512Kb +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX256VCLK10	935319784557	MK20DX256VCLK10	Kinetis 256K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MC56F84766VCLKR	935319888528	MC56F84766VCLKR	32bit,256k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1
MK12DN512VCLK5	935319978557	MK12DN512VCLK5	ARM+512Kb	(L)QFP80	SOT315-2	RFS	No	BLM1
MK21DX256AVCLK5	935320347557	MK21DX256AVCLK5	ARM+256Kb +USB +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22DX256VCLK5	935321792557	MK22DX256VCLK5	ARM+256Kb +USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX128VCLK7R	935314757528	MK10DX128VCLK7R	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FN1M0VCLK12	935318176557	MK22FN1M0VCLK12	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DN512VCLK10	935321746557	MK10DN512VCLK10	KINETIS 512K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK12DX128VCLK5	935321789557	MK12DX128VCLK5	ARM+128Kb	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX256VCLK10R	935324541528	MK20DX256VCLK10R	KINETIS 256K Flex USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DX256AVCLK5	935324828557	MK11DX256AVCLK5	ARM+256Kb +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MK30DX128VCLK7	935325681557	MK30DX128VCLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL25264VCLK4	935325719557	MKL25264VCLK4	32 BIT 64k FLASH	(L)QFP80	SOT315-2	RFS	No	BLM1
MK50DX256CLK7	935310953557	MK50DX256CLK7	Kinetis 256K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FX512VCLK12	935311526557	MK22FX512VCLK12	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK21DX128AVCLK5	935312075557	MK21DX128AVCLK5	ARM+128Kb +USB +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DX64VCLK7R	935314726528	MK10DX64VCLK7R	Kinetis 64K	(L)QFP80	SOT315-2	RFS	No	BLM1
MC56F84565VCLK	935315873557	MC56F84565VCLK	32bit,128k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DN512AVCLK5R	935316235528	MK11DN512AVCLK5R	ARM+512Kb +Drylce	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL15264VCLK4	935317755557	MKL15264VCLK4	32 BIT,ARM M0+ CORE,64K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FN1M0VCLK12R	935318176528	MK22FN1M0VCLK12R	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK40DN512VCLK10	935319887557	MK40DN512VCLK10	Kinetis 512K USB LCD	(L)QFP80	SOT315-2	RFS	No	BLM1
MK10DN512VCLK10R	935321746528	MK10DN512VCLK10R	KINETIS 512K	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22FN1M0AVCLK12R	935323834528	MK22FN1M0AVCLK12R	K20 1MB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK40DX128VCLK7	935311061557	MK40DX128VCLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK51DX256CLK10	935311122557	MK51DX256CLK10	Kinetis 256K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK21DX128VCLK5	935311123557	MK21DX128VCLK5	ARM+128Kb +USB +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MKL14264VCLK4R	935312094528	MKL14264VCLK4R	ARM 32BIT, 64K FLASH, 80	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DN512VCLK10	935314653557	MK20DN512VCLK10	Kinetis 512K USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MK20DX64VCLK7	935314758557	MK20DX64VCLK7	Kinetis 64K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK40DX64VCLK7	935317661557	MK40DX64VCLK7	Kinetis 64K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DN512VCLK5R	935317698528	MK11DN512VCLK5R	ARM+512Kb +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MK11DN512VCLK5	935317698557	MK11DN512VCLK5	ARM+512Kb +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MK21DX256VCLK5	935317699557	MK21DX256VCLK5	ARM+256Kb +USB +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MK21DN512VCLK5	935317701557	MK21DN512VCLK5	ARM+512Kb +USB +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MKL14232VCLK4	935317835557	MKL14232VCLK4	ARM 32BIT, 32K FLASH, 80	(L)QFP80	SOT315-2	RFS	No	BLM1
MK30DN512VCLK10	935319824557	MK30DN512VCLK10	Kinetis 512K SLCD	(L)QFP80	SOT315-2	RFS	No	BLM1
MK30DX256VCLK7	935319862557	MK30DX256VCLK7	Kinetis 256K SLCD	(L)QFP80	SOT315-2	RFS	No	BLM1
MK50DX128CLK7	935319927557	MK50DX128CLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK51DX128CLK7	935319928557	MK51DX128CLK7	Kinetis 128K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DX128VCLK5	935319974557	MK11DX128VCLK5	ARM+128Kb +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MK12DN512VCLK5R	935319978528	MK12DN512VCLK5R	ARM+512Kb	(L)QFP80	SOT315-2	RFS	No	BLM1
MK30DX64VCLK7R	935321747528	MK30DX64VCLK7R	Kinetis 64K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK30DX64VCLK7	935321747557	MK30DX64VCLK7	Kinetis 64K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK22DX128VCLK5	935321791557	MK22DX128VCLK5	ARM+128Kb +USB	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL24232VCLK4	935321875557	MKL24232VCLK4	ARM 32BIT, 32K FLASH, 80	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL24264VCLK4	935321876557	MKL24264VCLK4	ARM 32BIT, 64K FLASH, 80	(L)QFP80	SOT315-2	RFS	No	BLM1
MK51DX256CLK7	935323237557	MK51DX256CLK7	Kinetis 256K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MK50DX256CLK10	935323311557	MK50DX256CLK10	Kinetis 256K Flex	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL15232VCLK4	935323342557	MKL15232VCLK4	32 BIT,ARM M0+ CORE,32K	(L)QFP80	SOT315-2	RFS	No	BLM1
MKL25232VCLK4	935323406557	MKL25232VCLK4	32 BIT 32k FLASH	(L)QFP80	SOT315-2	RFS	No	BLM1
MK11DX256VCLK5	935324588557	MK11DX256VCLK5	ARM+256Kb +Drylce	(L)QFP80	SOT315-2	DOD	No	BLM1
MKL152128VCLK4R	935324609528	MKL152128VCLK4R	32 BIT,ARM M0+ CORE,128K	(L)QFP80	SOT315-2	ASM	No	BLM1
MC56F84585VCLK	935432252557	MC56F84585VCLK	32bit,256k Flash,2kB Fle	(L)QFP80	SOT315-2	RFS	No	BLM1