



Customer Information Notification

202108002I : MPC5777C Mask 2N45H and 3N45H Errata List Update AUG2021

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 28, 2021 **Effective date:** Oct 29, 2021

Dear Gordon Love,

Here is your personalized notification about a NXP general announcement.

For detailed information we invite you to [view this notification online](#)

Change Category

☐ Wafer Fab Process	☐ Assembly Process	☐ Product Marking	☐ Test Process	☐ Design
☐ Wafer Fab Materials	☐ Assembly Materials	☐ Mechanical Specification	☐ Test Equipment	☒ Errata
☐ Wafer Fab Location	☐ Assembly Location	☐ Packing/Shipping/Labeling	☐ Test Location	☐ Electrical spec./Test coverage
☐ Firmware	☐ Other			

PCN Overview

Description

NXP Semiconductors announces an errata update for the MPC5777C mask 2N45H and 3N45H errata revision August 2021. The errata document provides a detailed description of the changes.

Changes are summarized below.

New Errata:

ERR010963: Flash: Memory accesses may be corrupted when flash is operating between 33MHz and 75MHz

ERR050312: M_CAN: Debug message handling state machine not reset to Idle state when CCCR.INIT is set.

ERR050575: eMIOS: Any Unified Channel running in OPWMCB mode may function improperly if the lead or trail dead time insertion features is used and its timebase is generated by Unified channel in MCB mode

ERR050782: e200: Time Base TBU register contains wrong value during TBL rollover

ERR050789: M_CAN: Dedicated Tx Buffers configured with the same Message ID are not transmitted in order of lowest buffer number first

ERR051044: M_CAN: Transmission order of the Tx Queue buffers with the same Message ID is impacted by the PUT index functionality

Updated Errata:

ERR011235: EMIOS: Any Unified Channel running in OPWMB or OPWMCB mode may function improperly if the source counter bus is generated by Unified channel in MC mode

ERR050246: FlexCAN: Receive Message Buffers may have its Code Field corrupted if the Receive FIFO function is used

The MPC5777C mask 2N45H and 3N45H errata revision August 2021 are attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc57xx-mcus/ultra-reliable-mpc5777c-mcu-for-automotive-and-industrial-engine-management:MPC5777C?tab=Documentation_Tab

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

Reason

Errata has been updated to provide additional technical clarification.

Identification of Affected Products

Product identification does not change

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

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

No changes were made to the current production device. The errata describe existing conditions identified on current production devices.

Additional information

Additional documents: [view online](#)

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:

Name	NXP Tech Support
Position	NXP Technical Support
e-mail address	tech.support@nxp.com

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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	New Orderable Part#	12NC New	Product Type New	Product Description New	Product Line	Notes
SPC5777CCK3MME3R	935315842518	SPC5777CCK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CCK3MME3	935315842557	SPC5777CCK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CSK3MME3R	935318904518	SPC5777CSK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CSK3MME3	935318904557	SPC5777CSK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CK3MMO3R	935318909518	SPC5777CK3MMO3R	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CK3MMO3	935318909557	SPC5777CK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CSK3MMO3R	935318913518	SPC5777CSK3MMO3R	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	ASM	No					BLAD	
SPC5777CSK3MMO3	935318913557	SPC5777CSK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	ASM	No					BLAD	
SPC5777CK3MME3R	935320923518	SPC5777CK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CK3MME3	935320923557	SPC5777CK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CCK3MMO3R	935324923518	SPC5777CCK3MMO3R	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CCK3MMO3	935324923557	SPC5777CCK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CLK3MME3R	935336417518	SPC5777CLK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CLK3MME3	935336417557	SPC5777CLK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CLK3MMO3R	935336418518	SPC5777CLK3MMO3R	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CLK3MMO3	935336418557	SPC5777CLK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CRK3MME3	935337617557	SPC5777CRK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CRK3MMO3	935337618557	SPC5777CRK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CAK3MME3R	935350944518	SPC5777CAK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CAK3MME3	935350944557	SPC5777CAK3MME3	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CAK3MMO3R	935350946518	SPC5777CAK3MMO3R	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CAK3MMO3	935350946557	SPC5777CAK3MMO3	Power Arch cores, 8MB FI	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CDK3MME3R	935350948518	SPC5777CDK3MME3R	Power Arch cores, 8MB FI	BGA416M	SOT1528-1	RFS	No					BLAD	

SPC5777CDK3MME3	935350948557	SPC5777CDK3MME3	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CDK3MMO3R	935350951518	SPC5777CDK3MMO3R	Power Arch cores, 8MB Fl	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CDK3MMO3	935350951557	SPC5777CDK3MMO3	Power Arch cores, 8MB Fl	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CDK3MME4R	935368231518	SPC5777CDK3MME4R	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CDK3MME4	935368231557	SPC5777CDK3MME4	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CDK3MMO4R	935368233518	SPC5777CDK3MMO4R	Power Arch cores, 8MB Fl	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5777CDK3MMO4	935368233557	SPC5777CDK3MMO4	Power Arch cores, 8MB Fl	BGA516M	SOT1527-1	RFS	No					BLAD	
SPC5775EDK3MME3R	935370091518	SPC5775EDK3MME3R	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5775EDK3MME3	935370091557	SPC5775EDK3MME3	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5775BDK3MME2R	935371593518	SPC5775BDK3MME2R	NXP 32-bit MCU, 4MB Fla	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5775BDK3MME2	935371593557	SPC5775BDK3MME2	NXP 32-bit MCU, 4MB Fla	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5775BSK3MME2R	935399912518	SPC5775BSK3MME2R	NXP 32-bit MCU, 4MB Fla	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5775BSK3MME2	935399912557	SPC5775BSK3MME2	NXP 32-bit MCU, 4MB Fla	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CSK3MME4R	935402963518	SPC5777CSK3MME4R	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	
SPC5777CSK3MME4	935402963557	SPC5777CSK3MME4	Power Arch cores, 8MB Fl	BGA416M	SOT1528-1	RFS	No					BLAD	