

PRODUCT CHANGE NOTIFICATION

D3642-B / D3644-B eXtended LifeCycle Motherboard



► **Date:** December 21, 2022
PCN no.: PCMB-D364xB-120722

Author: Product Center Boards

► **Reason for PCN**

- (1) Summary of previous ECNs/PCNs
- (2) Additional motherboard version w/o Audio support
- (3) ~~New motherboard versions:~~
~~Realtek Audio Codec (EoL) replaced by Tempo Semiconductor Audio Codec ("cancelled")~~
- (4) MS Windows 11 support note added ("new")

► **Shipping Details**

Additional motherboard versions w/o audio support available from Q2/2022.

~~Initial shipment of new motherboard version with Tempo Audio Codec from late Q4/2022~~
~~Q1 Q2/2023; they will replace the versions with Realtek Audio Codec!~~

► **D364x-B Datasheet**

[FTP-Link: DS D3642-B](#)

[FTP-Link: DS D3644-B](#)

► **Released Operating Systems**

MOTHERBOARD VERSION	MS WINDOWS 7	MS WINDOWS 10 32 BIT	MS WINDOWS 10 64 BIT	MS WINDOWS 11 64 BIT
D364x-B	-	-	√	√ ^{*)}

*) MS Windows 11 "runnable", but not validated by Kontron

► **Released Drivers (MS Windows 10)**

[FTP-Link: Drivers CoffeeLake](#)

► **Released BIOS Versions**

Initial released BIOS for D364x-B: BIOS R1.2.0

[FTP-Link: BIOS & BIOS-Release Notes D364x-B](#)

► eXtended LifeCycle Motherboard D364x-B

MOTHERBOARD	CUSTOMER ORDER CODE (S26361-)	VERSION	PCN DATE	NOTE
D364x-B	F5110-V161 (D3642-B)	D364x-B12-1	10/2018	Initial launch version
	F5110-V162 (D3644-B)	D364x-B13-1 (replaces B12-1)	10/2019	Change from "Fujitsu" model to "Kontron" model (updated PCB); Updated TPM FW No functional HW changes!
	F5110-V211 F5110-V221 (D3642-B) F5110-V212 F5110-V222 (D3644-B)	D364x-B14-1 (replaces B13-1)	07/2022	New version with Tempo Semiconductor 92HD91B Audio Codec ^{*)}
	F5110-V1612 (D3642-B)	D364x-B13-2	07/2020	Additional version w/o Audio Codec, w/o Audio Connectors ^{**)}
	F5110-V1622 (D3644-B) (w/o audio support)	D364x-B14-2 (replaces B13-2)	07/2022	Updated version using latest PCB; no functional changes

^{*)} Requires minor PCB update.

Important Notes:

Tempo audio codec provides no support for „Jack Retasking“

→ 5.1 surround sound is possible via digital output port like DisplayPort only; no "analog" 5.1 sound support!

Tempo audio codec provides no specific audio driver, but uses the MS Windows "Inbox Driver"

^{**) I/O Shield shipped with motherboard still provides apertures for audio connectors.}

The shipment includes plastic plugs in order to cover these audio apertures.

DATE	REVISION OVERVIEW
12/2022	Update 12/2022: New versions with Tempo Audio Codec cancelled → D364x-B will continue using Realtek Codec (ALC671)
11/2022	Update 11/2022: Shipment schedule updated Ordercode F5110-V211 replaced by -V221 Ordercode F5110-V212 replaced by -V222 D364x-B14-2 (updated PCB, w/o Audio) cancelled
07/2022	New version D364x-B14-1 with Tempo Audio Codec / updated PCB Updated version D364x-B14-2 w/o Audio Support
07/2022	Additional version D364x-B13-2 w/o Audio Support
10/2019	Revision update D364x-B12 → D364x-B13 (Kontron version)
10/2018	Initial Launch D364x-B12-1

► CONTACT INFORMATION

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