

Part Number: 4178900XX-3

Model: ALC-4096

DATE	VERSION	SUMMARY OF CHANGES	NOTE
27 September 2024	20	Release production material for pilot run Key features of ALC-4096 Use firmware V1.00.00.00 on U18 1) Input type: 1x HDMI 2.0 - on board type A (female) connector 1x DisplayPort (1.4), on board DP connector. 1x USB-C (support DP Alt mode) 1x USB 2.0, internal header for touch controller 2) Maximum resolution: 4096x2160@60Hz. 3) Support up to 4096x2160 resolution panel. 4) Panel interface: V-by-One or eDP (4 link) 5) 3.3V / 5V / 10V / 12V / 18 V panel support. 6) Panel Support: Panels selection (4 jumper settings) (same as DT-4096) 7) Backlight control: D/A and PWM (8-bit) type backlight control. 8) Power input: 12Vdc or 24Vdc 9) Board size: 127 x 101.6mm Bare PCB: 017820002-5; P/N 417890020-3 BIOS: BIOS: V1.00.00.00 (Flash GD25Q16CTIGR)(new)	ECN# 870689206
20 Jan 2026	2x to 30	Release new version using new bare PCB 017890003-5 Change details of new PCB(01789003-5) 1. Add USB to RS-232 circuit, U29(CH340K) and related capacitors and resistors. Add JP13 & JP14 jumper for selection of RS-232 function via USB-C port (P6) or CN8 connector. > Set JP13 & JP14 : 2-3 closed : Set RS-232 function via USB-C port (P6). > Set JP13 & JP14 : 1-2 closed : Set RS-232 function via CN8 2. Add Reverse protection diode, D22 and D23 (SK54B) 3. Add Transient Voltage Suppressor (TVS), D13 (SMBJ33CA) 4. Change the Fuse(F1) to resettable type 2920L700/24SL Bare PCB: 017820003-5; P/N 417890030-3 BIOS: BIOS: V1.00.00.00 (Flash GD25Q16CTIGR)(no change)	ECN# 870689251

Prepared by: DV-HK
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