Displays: form and signal direction

22 October 2026 / Revision 2 / AI-assisted source reference; no independent review or hardware validation

Write source output, converter input/output and display input in that order. Similar ends do not make a converter reversible.

HDMI Type C / Type D	Mini HDMI and Micro HDMI are distinct forms. Compare an identified role and viewing side; on-screen size is not a measurement. [S038]
Mini DisplayPort / Thunderbolt	A shared outline does not establish the signal. The cited Apple Thunderbolt adapter excludes Mini DisplayPort displays. [S016, S521]
Passive DP to HDMI	The cited passive DP2HDMI2 class needs a DP++ source. Check the named product and complete mode. [S846]
Active DP to HDMI	Active conversion is a distinct product class. Direction, source acceptance and output limits remain product-specific. [S035]
HDMI to USB-C	Investigate a product explicitly documenting this direction and the display input transport. Do not reverse an ordinary opposite-direction adapter. [S003, S012, S035]
Cable category / whole system	A named HDMI cable class or certification does not establish every optional feature of the source/display. [S056, S052, S057, S012]

CHECK THE COMPLETE TASK

1. Name the exact source port, converter and selected display input; trace source -> converter -> display without reversing the arrows.

2. Write resolution, refresh rate and any required color/HDR feature as a complete mode. Check each stage, power and platform requirements.

3. If passive conversion is proposed, obtain explicit source DP++ evidence. Active wording alone is not a universal higher-mode guarantee.

STOP CONDITION

An unmodeled or undocumented path remains unresolved. It is not proof that every product for that direction is impossible.

Conceptual comparisons only: no photographs, contact-position maps, measured mating geometry or actual-size templates.

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SOURCE TRAIL: EXACT ORIGINAL SCOPE

S038 / StarTech.com

Mini and Micro HDMI adapter

PDF p. 1: product description identifies Type A female, Mini Type C male and Micro Type D male; p. 1 product photograph inspected.

Open original: media.startech.com

Recorded inspection: 2026-10-07

S016 / Apple

Identify the ports on your Mac

Mini DisplayPort and Thunderbolt / Thunderbolt 2 sections

Open original: support.apple.com

Recorded inspection: 2026-10-01

S521 / Apple

Apple - Thunderbolt 3 to Thunderbolt 2 Adapter support

Opening support scope and Video section

Open original: support.apple.com

Recorded inspection: 2026-10-11

S846 / StarTech.com

DP2HDMI2 DisplayPort to HDMI passive adapter datasheet

Page1 passive adapter/DP++ requirement paragraph; page2 Special Notes/Requirements; page3 Hardware Active or Passive Adapter.

Open original: media.startech.com

Recorded inspection: 2026-10-21

S035 / StarTech.com

Active DisplayPort to HDMI adapter

PDF pp. 1-2: DP-source to HDMI-display description; p. 3: Hardware table, visually inspected.

Open original: media.startech.com

Recorded inspection: 2026-10-07

S003 / USB-IF

USB Type-C language guidelines, March 2023

USB Type-C is not USB performance; USB 2.0 Type-C cables section

Open original: www.usb.org

Recorded inspection: 2026-10-01

S012 / HDMI Licensing Administrator

HDMI 2.1 feature implementation FAQ

FAQ about HDMI 2.1 supporting TMDS without FRL

Open original: www.hdmi.org

Recorded inspection: 2026-10-01

S056 / HDMI Licensing Administrator

Premium High Speed HDMI Cable

Premium HDMI Cable Certification Program

Open original: www.hdmi.org

Recorded inspection: 2026-10-01

S052 / HDMI Licensing Administrator

HDMI Cables: Different Cable Types

Ultra96 HDMI Cable; Ultra High Speed HDMI Cable sections

Open original: www.hdmi.org

Recorded inspection: 2026-10-01

S057 / HDMI Licensing Administrator

Ultra High Speed HDMI Cable and Ultra96 certification

Ultra Cable Certification Program and required certification labels

Open original: www.hdmi.org

Recorded inspection: 2026-10-01

S849 / VESA / DisplayPort.org

VESA Certified DisplayPort Products - Cables & Adaptors

VESA Certified DisplayPort Products heading; Cables & Adaptors category; Search Database and Manufacturers filters.

Open original: www.displayport.org

Recorded inspection: 2026-10-21

OFFICIAL VERIFICATION: EXACT PRODUCTS ONLY

VESA Certified DisplayPort Products - Cables & Adaptors [S849] / HDMI Ultra Cable certification label guidance [S057]

Match the exact product and applicable date/category or label verification. No individual product result was checked; a picture or this link does not establish certification.

EVIDENCE NOTE: RETAIN THE EXACT MODEL AND SOURCE

Source model / output transport:

Converter model / input -> output:

Display model / input + target mode:

Power, software + missing documentation:

Inherited scoped research reused; not every source was reopened for this sheet. No source artwork, logos or full manuals are redistributed. Missing or unverified fields remain unresolved. No independent review or hardware validation.