

DATA SHEET



Mini DisplayPort to DVI-D Active Adapter Converter

Connect a device with a Mini DisplayPort output to any display with a DVI-D input

Overview

This adapter allows the Mini DisplayPort™ video output of a laptop to connect to the DVI-D® input of a display and is perfect for applications including displaying video on an HDTV, projector, or monitor in a classroom, on a desktop, or in a meeting room. This Mini DisplayPort to DVI-D active adapter can be used in either DisplayPort single-mode or dual-mode outputs, providing the conversion for a Mini DisplayPort source even when that source does not support DP+++. Active Mini DisplayPort conversion is excellent for applications where multiple Mini DisplayPort adapters are required to connect to a single graphics card. This allows every active adapter to interface with a corresponding display.

Be prepared for any meeting, presentation, or event with the full confidence that you have the right connection in an ultra-compact design. The Mini DisplayPort to DVI-D adapter can connect a Mini DisplayPort equipped laptop or tablet to a projector, monitor, or HDTV with a DVI-D input port. The compact design of this adapter converter makes it a perfect fit for BYOD (Bring Your Own Device) applications in education or corporate environments.

This simple plug and play adapter converter does not require drivers for install and the device is powered through Mini DisplayPort bus power, so no additional power adapters are needed.

The dongle-style adapter converter reduces strain on the video port. The cable between the Mini DisplayPort connection and the adapter converter provides strain relief that protects the port from strain damage as cords are moved.

Note: When this device is connected to a Mini DisplayPort source device that supports audio and an HDMI Cable with the HDMI connector plugged into a HDMI display device that supports audio both audio and video signal will be transmitted from the source device to the display device. However connecting to a DVI-D display will not allow audio to pass to the display.

Features

- Active Conversion of Mini DisplayPort to DVI-D
- Support resolutions up to: 4096x2160 at 24Hz or 3840x2160 at 30Hz
- Dongle style adapter reduces strain on ports

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SPECIFICATIONS:

Mini DisplayPort to DVI-D Active Adapter Converter

Electrical Characteristics:

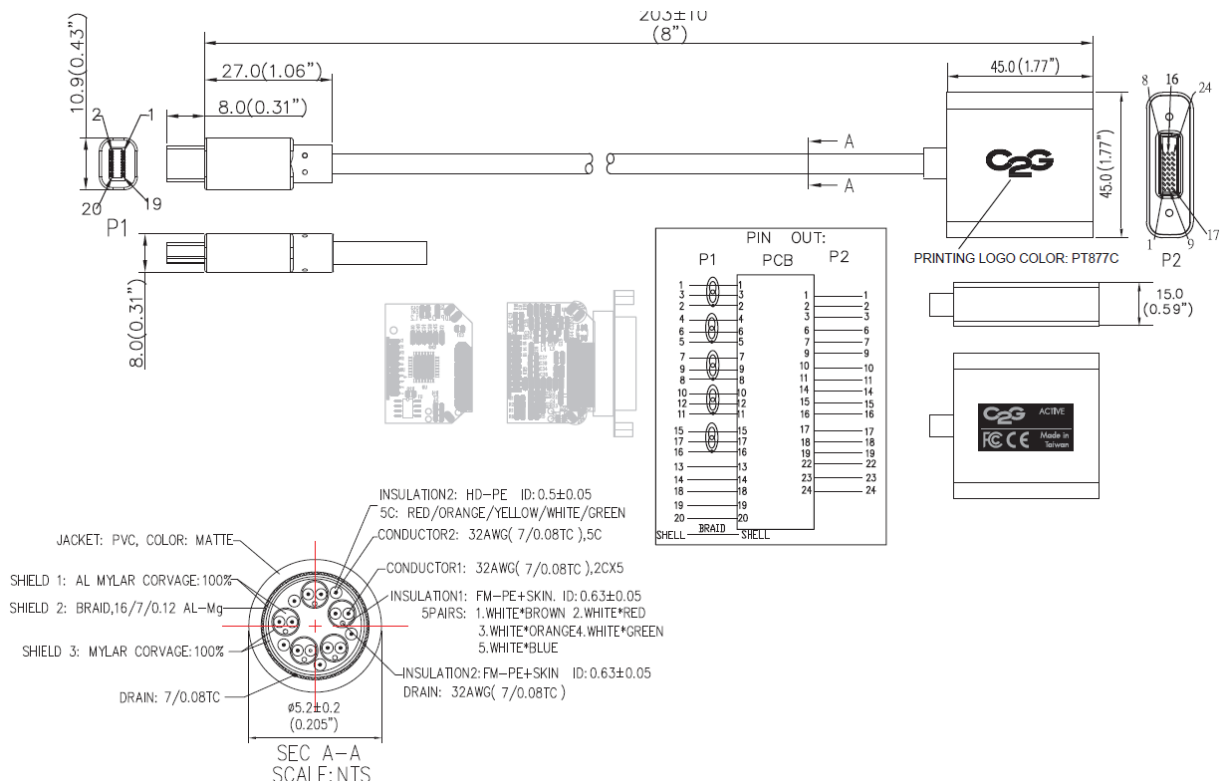
Voltage Rating:	30V
Conductor Resistance:	at 20°C max 30AWG 376.96Ω/km
Insulation Resistance:	10M-KM Min at 20°C DC 500V(EIA-364-21)
Dielectric Strength:	AC 500V/1 minute no breakdown(EIA-364-20)
Impedance:	Pairs (differential mode) 100±50Ω
Attenuation (Max):	5.02dB at 100~450MHz; 7.695dB at 1GHz; 12.595dB at 2GHz; 17.495dB at 3GHz; 22.395dB at 4GHz; 27.295dB at 5GHz; 32.195dB at 6GHz; 37.095dB at 7GHz
Return Loss (Min):	15.00 at 100~675MHz; 12.90 at 7GHz; 9.20 at 2GHz; 7.04 at 3GHz; 5.5 at 4GHz; 4.31 at 5GHz; 3.33 at 6GHz; 2.51 at 7GHz
NEXT (MAX):	-36dB at 0.1~1.35GHz; -23.44dB at 2GHz; -20.80dB at 3 GHz; - 18.93dB at 4GHz; -17.48dB at 5GHz; -16.29dB at 6GHz; -15.28dB at7GHz
FEXT:	-26dB / Cable at 100~7000MHz (Max)

Physical Characteristics:

Jacket:	PVC
Outer Diameter:	5.2mm ±0.2mm
Conductor 1:	5 Pairs at 32AWG (7/0.08 TC)
Insulation 1:	FM-PE+Skin ID 0.63mm ± 0.05mm (Pairs: 1. White/Brown 2. White/ Red 3. White/Orange 4. White/Green 5. White/Blue)
Pair Drain:	32AWG (7/0.8TC) Insulation FM-PE+Skin ID 0.63mm ± 0.05mm
Conductor 2:	5 Individual 32AWG (7/0.08 TC)
Insulation 2:	HD-PE+Skin ID 0.5mm ± 0.05mm (Conductors: 1. RED 2. Orange 3. Yellow 4. White 5. Green
Shield 1:	AL Mylar Coverage 100%
Shield 2:	Braid, 16/7/0.12 AL-Mg
Shield 3:	Mylar Coverage 100%
Pair:	2 Singles Lair flat and Parallel
Core:	8 Pairs
Drain Wire:	7/0.08TC
Operating Temperature:	0°C to 50°C
Storage Temperature:	-25°C to 70°C

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Item Description:

- 84318 Mini DisplayPort to DVI-D Active Adapter Converter - Black
- 84319 Mini DisplayPort to DVI-D Active Adapter Converter - White



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