

# HDMI 2.1 Active Optical Cable



## ► Features

- Transports up to 12 Gbps per optical channel, total maximum data rate is 48 Gbps
- No external power supply required, all power is supplied through the HDMI connector
- Extremely low EMI design supports compliance to the Ultra High Speed HDMI® Cable
- Supports standard Type A HDMI connectors
- Backwards compatible to HDMI 2.0 and HDMI 1.4 standards
- Supports 3D Displays
- Supports eARC

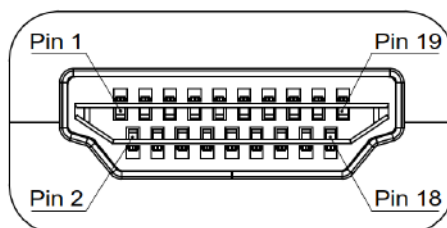
## ► Applications

- 4K & 8K image transmission
- Source: Supports Computers, Blue-ray/DVD, Set-top Boxes, Phones/Tablets, Digital camera
- Display: Supports AV receivers, TV monitors, Digital signage, Medical/Industrial

## ► Absolute Maximum Ratings

Parameter	Symbol	Min.	Typical	Max.	Unit	Notes
Supply voltage	+5V	-0.3	-	6	V	HDMI compliant
Storage temperature	T <sub>STG</sub>	-20	-	70	°C	
Storage humidity	RH <sub>STG</sub>	-	-	65	%	
ESD	V <sub>ESD</sub>	1.0	-	-	kV	HBM; 100pF, 1.5kΩ

## ► Footprint Define



Pin number	Function	Pin number	Function
1	TMDS Data2+	11	TMDS Data3 Shield
2	TMDS Data2 Shield	12	TMDS Data3-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Utility / eARC+
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	ARC GND / SHIELD GND
8	TMDS Data0 Shield	18	+5V
9	TMDS Data0-	19	HPD / eARC-
10	TMDS Data3+	-	-