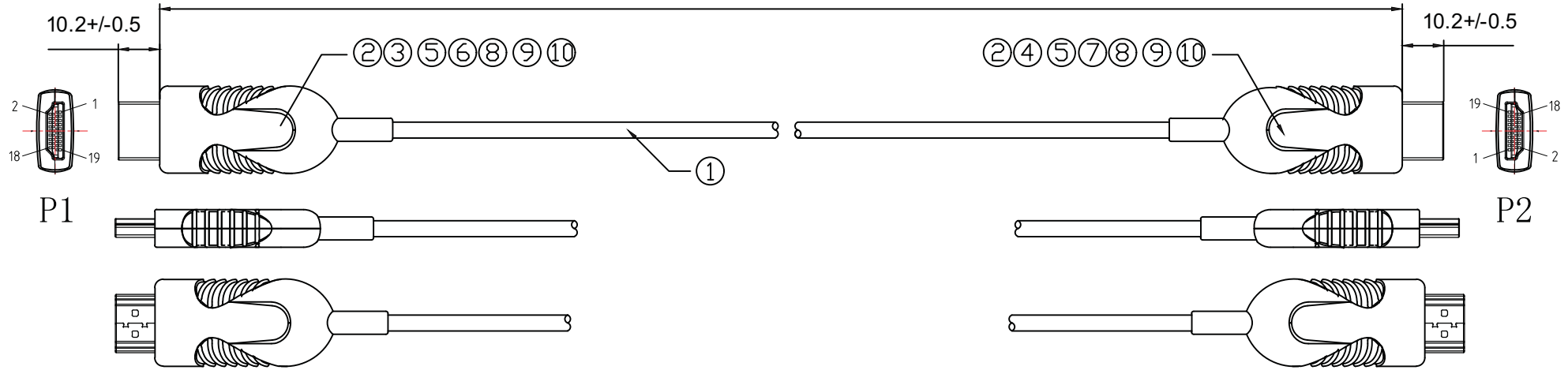


REV	DESCRIPTION	SIGNATURE	DATE
A1	ORIGIN	Sheng Yuan Liu	2017.05.10

TABLE A



外壳丝印如下:



P/N SHEET

P/N	Descriptions
43101-1711170003-3	HDMI2.0 AOC 50M
43101-1711170003-1	HDMI2.0 AOC 100M
43101-1711170003-2	HDMI2.0 AOC 150M

4096x2160@60HZ; Support 18Gbps; Support 100M Max

10	螺丝	4	P C S	
9	线卡	2	P C S	
8	插头线套 黑色	2	P C S	
7	HDMI A头 外壳(下壳) 黑色(Display)	1	P C S	CUSTOMER P/N:
6	HDMI A头 外壳(下壳) 黑色(Source)	1	P C S	TYPE:HDMI 2.0 Active Optical Cable
5	HDMI A头 外壳(上壳) 黑色	2	P C S	
4	HDMI A PCBA (Display)	1	P C S	DRAW: Sheng Yuan Liu PAPT NO:
3	HDMI A PCBA (Source)	2	P C S	CKD: CUSTOMER: UNIT:mm
2	HDMI A公插头 镀金	2	P C S	APP: DWG NO: REV:1
1	HDMI 有源光缆 (4支光纤+7支电子线) 黑色PVC OD:4.8MM	TABLE A	m m	SHELL:1/1
ITEM	SPECIFICATIONS	Q' TY	UNIT	DATE:2017.11.18



SPECIFICATIONS



SHDC-8700 Series HDMI 2.0 AOC

DESCRIPTIONS

Our HDMI Active Hybrid Cable is the most competitive long reach HDMI interconnection solution on the market. It supports HDMI Maximum Data Rate 18Gbps with light weight, flexible and ultra-small long-term bending radius (60mm) hybrid cable. With our advanced optical engine embedded. This HDMI Hybrid Cable provides full HDMI signal integrity, support up to 200m maximum length, plug and play. No external power required.



KEY FEATURES

- ◆ Up to 200m Maximum Length.(Custom Length Available)
- ◆ Low Power Consumption: 250mW (max). (Power Required)
- ◆ Plug and Play
- ◆ Compatible with HDMI 2.0 standard.
- ◆ Support HDCP
- ◆ Self-detecting function for EDID information
- ◆ No loss of signal – delivering crystal clear digital images instantly.
- ◆ Supports computer resolutions to 1080P and 4K2K(60P).
- ◆ Hybrid optical cable with fiber and copper wire

Applications

- ◆ Digital Signage
- ◆ LED signboards in streets and in stadiums
- ◆ Medical Imaging Equipment
- ◆ Airplane On-board Video System
- ◆ Home Theater
- ◆ Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
- ◆ TV Broadcast Station
- ◆ Conference Room Video Equipment
- ◆ Security systems

Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	4.5	5.5	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	4.75	5.0	5.25	V
Operating Temperature	Top	0		50	°C

Specifications

Item	Description	
Units	Transmitter (Source)	Receiver (Sink)
HDCP & DDC	HDCP 2.0 Fully Support bi-directional EDID and HDCP communication	



Video Bandwidth	6 Gbps/x3Channel (max)+ Clock.	
Supported Resolution & Distance	PC: WUXGA 1920 x 1200 up to 100 meters , HDTV : 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920 x 1080 up to 200 meters	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Cable Length	10m/15m/20m/30m/40m/50m/60m/70m/80m/90m/100m/200m(with +/-30cm tolerance) Custom length available.	
Cable Outer Diameter	4.8mm	
Jacket Outer Material	PVC/TPE(Custom)	
Cable Weight TBD	Cable Weight TBD	
Cable Color TBD	Cable Color TBD	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	

HDMI Type A Pin Assignment

HDMI Type A Connector Pin Assignment

PIN	Function	PIN	Function
1	T.M.D.S. Data 2+	11	TMDS Clock Shield
2	T.M.D.S. Data 2 Shield	12	TMDS Clock-
3	T.M.D.S. Data 2-	13	CEC
4	T.M.D.S. Data 1+	14	Utility



5	T.M.D.S. Data 1 Shield	15	SCL
6	T.M.D.S. Data 1-	16	SDA
7	T.M.D.S. Data 0+	17	DDC/CEC Ground
8	T.M.D.S. Data 2 Shield	18	+5V Power
9	T.M.D.S. Data 0-	19	Hot Plug Detect
10	TMDS Clock+		



Installation

To Source, ex. DVD, PC

To Display, ex. TV



