

Electrical Characteristics

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Parameter	Symbol	Conditions	Min	Тур	Max	Units	
Continuous operating voltage	V _{DC}				8	V	
Trigger voltage	V _T	IEC61000-4-2 8KV contact discharge		300		V	
Clamping voltage	V _C	IEC61000-4-2 8KV contact discharge		15		V	
Leakage current	ΙL	8V V _{DC}		0.10	10	nA	
Capacitance	C _P	VR = 0V, f = 1MHz		0.15	0.3	pF	
Operating Temperature			-40		90	$^{\circ}$	
Storage Temperature			-55		150	$^{\circ}$	
ESD pulse withstand	Pulses	IEC61000-4-2 8KV contact discharge	2000				

Notes:

1, Trigger and clamping voltage measure per IEC 61000-4-2, 8KV contact discharge method

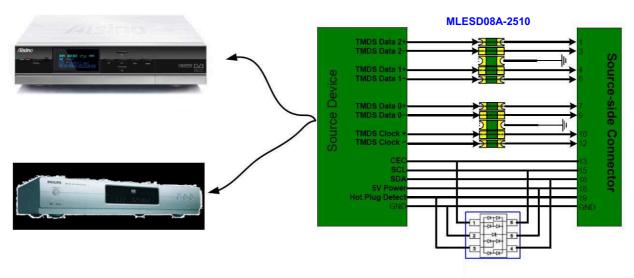
Typical MLESD clamping for +8KV pulse per IEC61000-4-2



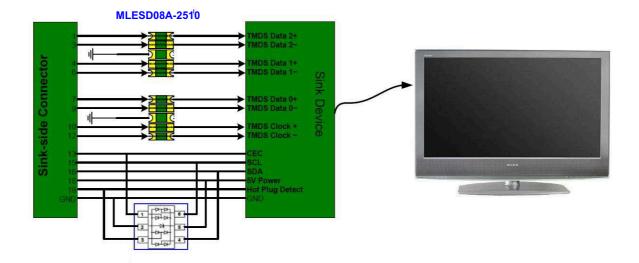


Design Recommendations for HDMI

For HDMI Source Device



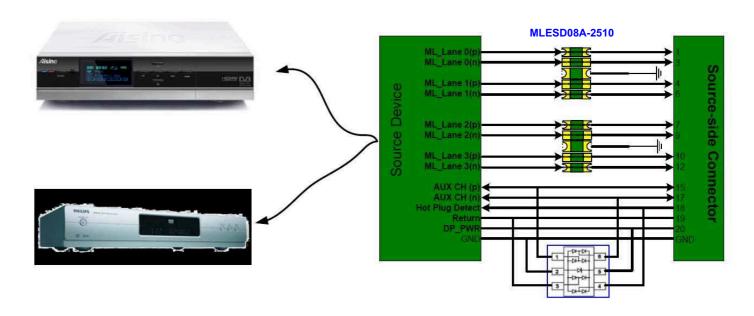
For HDMI Sink Device



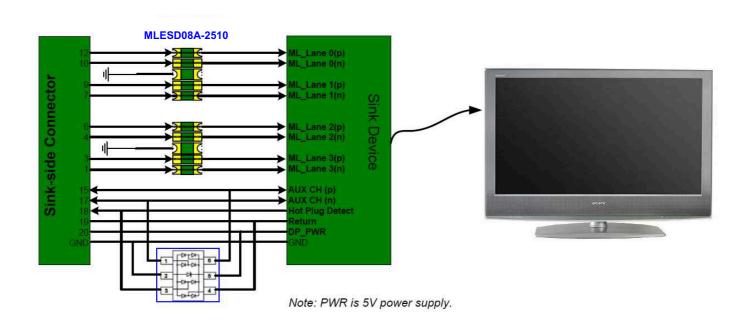


Design Recommendations for Display Port

For Display Port Source Device



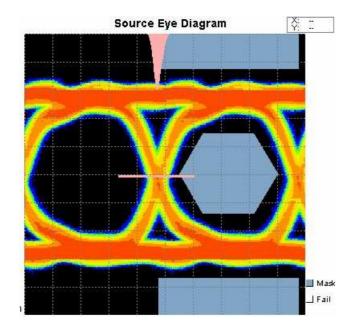
For Display Port Sink Device



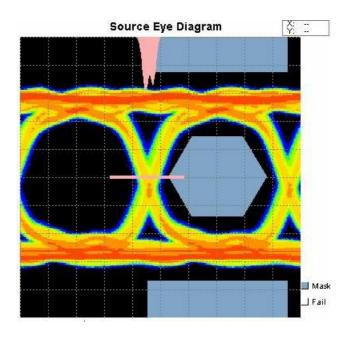


Eye Pattern Test

HDMI Port lane was protected with MLESD08A-2510, tested for 2.25G bps

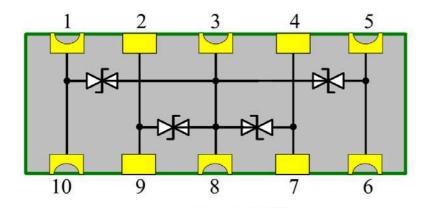


HDMI Port without MLESD08A-2510



HDMI Port with MLESD08A-2510

Circuit diagram



Pin configuration

Pin	Identification
1, 2, 4, 5	Input lines
6, 7, 9,10	Output lines
3, 8	Ground



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel3Kpcs/Reel

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