

HDMI® Port

HDMI 1.3 - ESD & Overcurrent Protection

Solution Products



CDDFN10-0524P



CDSOT236-0504LC



MF-FSMF020X-2

Design Kit



PN-DESIGNKIT 11

Objective

HDMI 1.3 interfaces are 3.3 V differential digital signals with single-link bandwidths up to 340 MHz (10.2 Gbit/s). As usage of HDMI ports increases, HDMI ports face a growing threat of ESD damage.

Solution

2 TVS Diode Arrays: CDDFN10-0524P
1 TVS Diode Array: CDSOT236-0504LC
1 Multifuse® PPTC: MF-FSMF020X-2

Compliance

IEC 61000-4-2 Level 4 (8 kV / 15 kV)

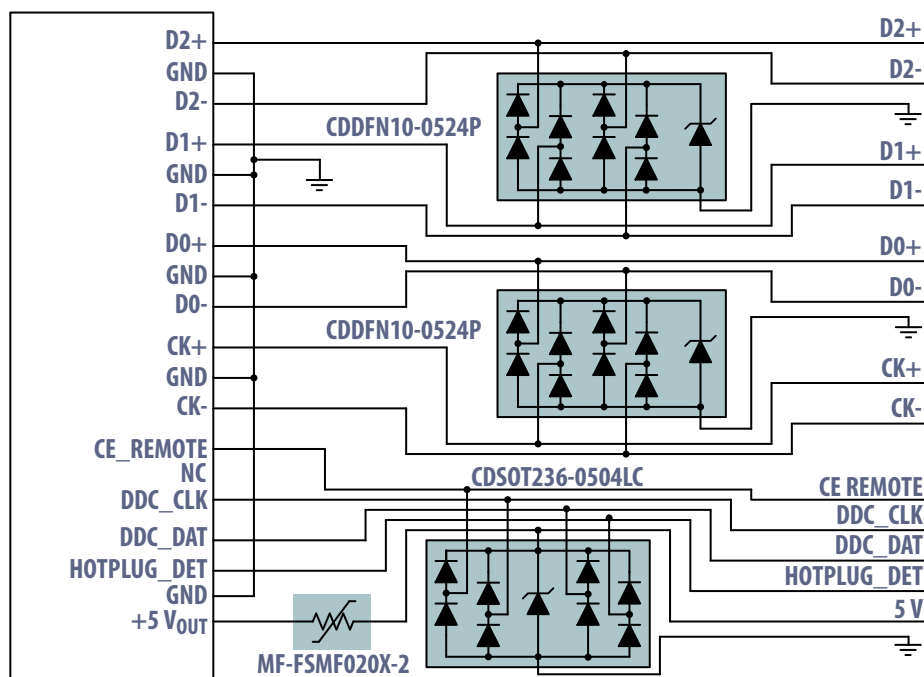
Alternate Recommendations

Other PortNote® Solutions:

- HDMI: HDMI 1.4 - ESD & Overcurrent Protection

Benefit

This solution provides IEC 61000 Level 4 ESD protection without impairing the HDMI signal.



The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.

BOURNS®

Americas: Tel +1-951 781-5500
Fax +1-951 781-5700

Europe: Tel +41-(0)41 768 55 55
Fax +41-(0)41 768 55 10

Asia-Pacific: Tel +886-2 256 241 17
Fax +886-2 256 241 16

COPYRIGHT© 2012 • BOURNS, INC. • 6/12 • e/CPK1023 • "PortNote" is a registered service mark of Bourns, Inc.
"Bourns" and "Multifuse" are registered trademarks of Bourns, Inc. in the U.S. and other countries.
"HDMI" is a registered trademark of its owner.

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

For more information, go to:

www.bourns.com

or email: protection@bourns.com

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com