

ON SEMICONDUCTOR Interface & Power/Analog Devices

ON Semiconductor



Transient Protection ON Semiconductor

CMD HDMI PORT PROTECTION AND INTERFACE DEVICES

- 0.05pF matching capacitance between the TMDS intra-pair
- Simplified layout for HDMI connectors
- Matched 0.5mm trace spacing (TSSOP)
- Level shifting/isolation circuitry

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Channel Clamp Voltage	Dynamic Resistance (Ω)	Price Each			
						1	25	100	250
Receiver Port Protection (CM2030 Series) • Backdrive protection									
748-CM2030-A0TR	CM2030-A0TR	TSSOP-38	±8kV (min)	-2 to +11	0.9 to 1.2	1.93	1.48	1.34	1.21
Receiver Port Protection (CM2031 Series) • Backdrive protection									
748-CM2031-A0TR	CM2031-A0TR	TSSOP-38	±8kV (min)	-2 to +11	0.9 to 1.4	1.93	1.48	1.34	1.21
Transmitter Port Protection (CM2020 Series) • Overcurrent output protection									
748-CM2020-00TR	CM2020-00TR	TSSOP-38	±8kV (min)	- - - -	- - - -	1.71	1.35	1.21	1.05

CMD IEEE 1284 PARALLEL PORT ESD/EMI/TERMINATION NETWORK: PACS SERIES

- 17 EMI filters
- 17 terminators with choice of resistor values

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Value (Ω)	Temperature Range		Price Each			
					Storage	Operating	1	10	50	100
					-40~+150°C	-40~+85°C	1.05	.96	.875	.787
748-PACSZ1284-02QR	PACSZ1284-02QR	QSOP-28	±30kV	4.7K	-40~+150°C	-40~+85°C	1.05	.96	.875	.787

CMD UPSTREAM USB PORT TERMINATORS: PACU SERIES

- Compact SC70 or SOT23 package saves board space and lowers manufacturing costs compared to discrete solutions
- One upstream USB port terminator, EMI filter and transient overvoltage protector in a single surface mount package

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Value (Ω)	Temperature Range		Price Each			
					Storage	Operating	1	50	100	500
					-65~+150°C	-40~+85°C	.36	.33	.30	.27
748-PACUSB-U3R	PACUSB-U3R	SC70-6	±15kV	22	-65~+150°C	-40~+85°C	.36	.33	.30	.27
748-PACUSB-U2R	PACUSB-U2R	SC70-6	±15kV	33	-65~+150°C	-40~+85°C	.48	.44	.40	.36
748-PACUSB-U3Y6R	PACUSB-U3Y6R	SOT23-6	±15kV	22	-65~+150°C	-40~+85°C	.40	.36	.333	.30

CMD EMI FILTER FOR T-FLASH/MICROSD

- Two channels of EMI filters
- Supports AC signals, ideal for audio applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Channel Clamp Voltage	Price Each			
					1	25	100	250
748-CM1624-08DE	CM1624-08DE	uDFN-16	±15kV	-0.4 to 9	.74	.519	.445	.384

CMD VGA PORT COMPANION CIRCUITS

- Includes ESD protection, level-shifting, buffering and sync impedance matching
- Bi-directional level shifting N-channel FETs provided for DDC_CLK and DDC_DATA channels
- 7 channels of ESD protection

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	R out (Ω)	Temperature Range		Price Each			
					Storage	Operating	1	10	50	100
					-40~+85°C	-40~+85°C	.87	.72	.675	.516
CM2009 Series										
748-CM2009-02QR	CM2009-02QR	QSOP-16	±8kV	15	-40~+85°C	-40~+85°C	.87	.72	.675	.516
748-CM2009-00QR	CM2009-00QR	QSOP-16	±8kV	65	-40~+85°C	-40~+85°C	.95	.85	.764	.721
PACVGA200 Series										
748-PACVGA200QR	PACVGA200QR	QSOP-24	±8kV	75	-65~+150°C	-0~+70°C	2.10	1.92	1.75	1.57

CMD VGA PORT COMPANION CIRCUIT FOR MONITOR: CM2006 SERIES

- 2 channels of ESD protection (CM1263-02SE)
- 0.85pF loading capacitance per channel typical (CM1263-02SE)
- 6 channels of ESD protection (CM1263)
- 1pF loading capacitance per channel typical (CM1263)

For quantities greater than listed, call for quote.

748-CM2006-02QR	CM2006-02QR	QSOP-16	±8kV	- - -	-65~+150°C	-40~+85°C	.90	.81	.722	.691
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CMD DUAL INPUT SMARTOR™ POWER SWITCH: CMPWR025 SERIES

- Implements logical "Input VCC1 OR Input VCC2"
- Provides up to 600mA output current
- User-selectable hysteresis for supply selection
- Integrated low impedance switches (0.2Ω TYP)
- Glitch-free output during supply switching transitions
- Operating supply range from 2.8V to 5.5V
- Low operating supply current of 20IA (TYP)

For quantities greater than listed, call for quote.

748-CMPWR025R	CM2006-02QR	MSOP-8	±2000V	- - -	-65~+150°C	- - -	2.25	2.06	1.88	1.68
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CMD HEADSET SPEAKER EMI FILTER

- Two channels of EMI filters
- Supports AC signals, ideal for audio applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Channel Clamp Voltage	Price Each			
					1	25	100	250
748-CSPEMI201AG	CSPEMI201AG	CSP-5	±8kV (min)	-19 to +15	.60	.416	.357	.308

CMD DDR VDDQ AND VTT TERMINATION VOLTAGE REGULATOR

- 1.7V to 2.8V adjustable VDDQ output voltage
- Dual purpose ADJ/Shutdown pin
- Fast transient response
- 0.85V to 1.4V VTT output voltage (tracking at 50% of VDDQ)
- Built-in over-current limit & thermal shutdown for VDDQ & VTT
- Low quiescent current
- 500mV typical VDDQ dropout voltage at 2A
- Enable VTT pin for sleep or suspend to RAN function (CM3212)
- Buffered VREF output (CM3212)
- Excellent load and line regulation, low noise

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ESD Protection (IEC)	Supply Voltage	Junction Operating Temp (°C)	Price Each			
						1	10	50	100
CM3212 Series									
748-CM3212-02DE	CM3212-02DE	TDFN-8	±2000V	3.0V-3.6V	-40 to +150	1.04	.95	.878	.788

TSSOP-38	
QSOP-16	
QSOP-24	
QSOP-28	
SC70-6	
SOT23-6	
uDFN-16	
CSP-5	
MSOP-8	
TDFN-8	