



ESD Products Selection Guide

Dedicated to provide professional ESD solutions



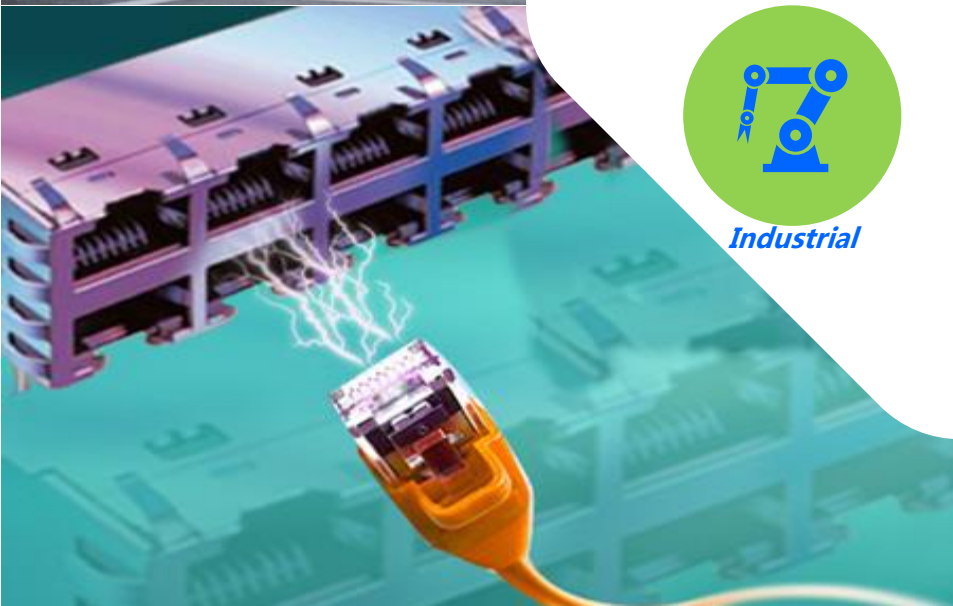
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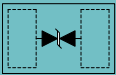
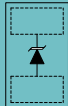
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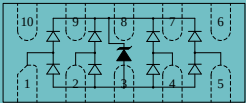
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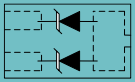
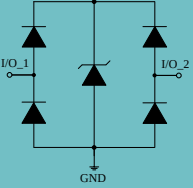
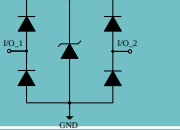
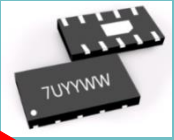
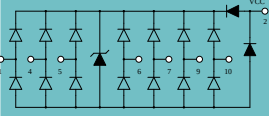
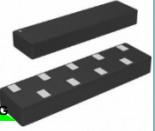
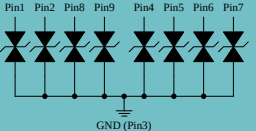
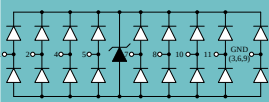
High-Speed Interface ESD Solutions

Product	Profile	Device Schematic	V _{RWM}	V _h	C, V _R =0V	ESD	V _c @ 16A (TLP)	V _c @ IPP (8/20μs)	Package	Application
SYT01A03DXC	NEW  NEW NEW DEVELOPING		3.3V	>3.8V	0.15pF	±15kV	18V	14V @ 4A	DFN0.6*0.3-2L	
SYT01A05DXC			5V	>6V	0.15pF	±15kV	18V	14V @ 4A		
SYT11A05DXC			5V	>1.2V	0.25pF	±15kV	12V	10V @ 6A		
SYT02S05DXC			5V	>1.2V	0.25pF	±15kV	8V	6V @ 6A		
SYT21A05DXC			5V	>1.2V	0.15pF	±15kV	6V	5V @ 7A		
SYT01S05DWC			5V	NA	0.35pF	±20kV	17V	15V @ 2A	DFN1.0*0.6-2L	
SYT11S05DWC			5V	NA	0.3pF	±25kV	14V	15V @ 4A		
SYT02U05DWC			5V	NA	0.5pF	±20kV	12V	12.5V @ 4A		

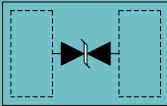
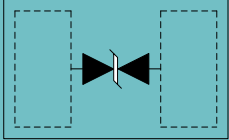
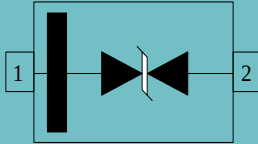
High-Speed Interface ESD Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	$C, V_R=0V$	ESD	$V_c @ 16A$ (TLP)	$V_c @ IPP$ (8/20 μs)	Package	Application
SYT06S03DVC			3.3V	>3.8V	0.33pF	$\pm 15kV$	12V	10V @ 3.5A	DFN2.5*1.0-10L	
SYT16S03DVC			3.3V	>3.8V	0.25pF	$\pm 15kV$	13V	11V @ 3A		
SYT06A03DVC			3.3V	>3.8V	0.2pF	$\pm 8kV$	20V	11V @ 2A		
SYT06U05DVC			5V	NA	0.6pF	$\pm 20kV$	12.5V	12V @ 3A		
SYT26U05DVC			5V	>5.6V	0.6pF	$\pm 30kV$	12V	16V @ 12A		
SYT16A03DVC			3.3V	>1.2V	0.3pF	$\pm 15kV$	8V	7.5V @ 7A		
SYT06U05DVC			5V	>5.6V	0.6pF	$\pm 30kV$	12V	16V @ 12A		

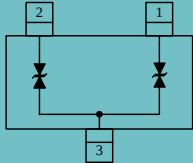
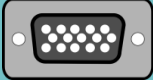
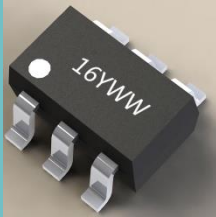
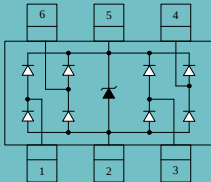
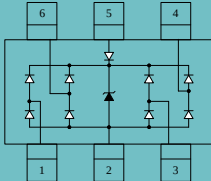
High-Speed Interface ESD Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	C , $V_R=0V$	ESD	V_c @ 16A (TLP)	V_c @ IPP (8/20 μ s)	Package	Application
SYT03U05SMC			5V	NA	0.7pF	$\pm 20kV$	14V	13V @ 2A	DFN1.0*0.6-3L	 
SYT03S05SHC			5V	NA	0.6pF	$\pm 20kV$	14V	12V @ 4A	DFN1.2*1.0-6L	
SYT03S05SIC									DFN1.6*1.0-6L	
SYT13U05AOC 			5V	NA	0.6pF	$\pm 25kV$	12.5V	12V @ 4A	SOT-23 (2.9*2.4)	
SYT07S05SBC			5V	NA	0.2pF	$\pm 20kV$	14V	15V @ 3A	DFN4.1*2.0-10L	
SYT17S05SBC 			5V	>1.2V	0.3pF	$\pm 15kV$	7V	7.5V @ 7A		
SYT08A03SFC			3.3V	>3.8V	0.2pF	$\pm 8kV$	20V	11V @ 2A	DFN3.8*1.0-9L	
SYT18A03SFC 			3.3V	>1.2V	0.3pF	$\pm 15kV$	7V	7.5V @ 7A		
SYT08S05SGC			5V	NA	0.2pF	$\pm 20kV$	17V	13V @ 3A	DFN5.5*1.5-18L	

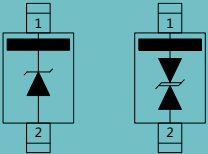
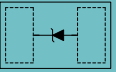
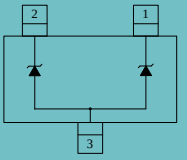
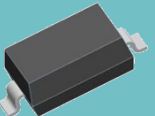
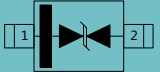
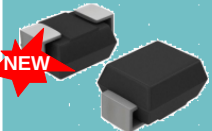
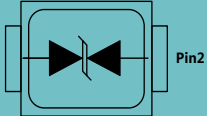
Low-Speed Interface ESD Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	$C, V_R=0V$	ESD	$V_c @ 16A$ (TLP)	$V_c @ IPP$ (8/20 μs)	Package	Application
SYT01N02 DX/DW/ANC	   		2.5V	>2.8V	20pF	$\pm 30kV$	6V	10V @ 15A	DFN0.6*0.3-2L (DX, 0201) DFN1.0*0.6-2L (DW, 0402) SOD523 (AN, 0603) (1.6*0.8)	 CVBS  Cr  Y  Cb
SYT01L03 DX/DW/ANC			3.3V	>3.7V	3pF	$\pm 30kV$	6V	10V @ 12A		
SYT01N03 DX/DW/ANC			3.3V	>3.7V	27pF	$\pm 30kV$	8V	10V @ 14A		
SYT01L05 DX/DW/ANC			5V	NA	3pF	$\pm 12kV$	12.5V	12V @ 2A		
SYT01M05 DX/DW/ANC			5V	NA	12pF	$\pm 30kV$	12V	12.5V @ 4A		
SYT01N05 DW/ANC			5V	NA	30pF	$\pm 30kV$	10V	10V @ 12A		 
SYT02H05 DW/ANC	 		5V (Uni)	NA	100pF	$\pm 30kV$	8V	10V @ 22A		
SYT01H05DWC			5V	NA	50pF	$\pm 30kV$	11V	12.5V @ 16A		
SYT01M12 DX/DW/ANC			12V	NA	6pF	$\pm 15kV$	24V	25V @ 4A		
SYT01N12 DW/ANC			12V	>13.3	25pF	$\pm 30kV$	20V	25V @ 7.5A		
SYT01N24 DW/ANC			24V	>26.5V	12pF	$\pm 30kV$	34V	42V @ 4A		

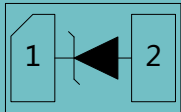
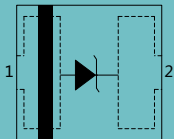
Low-Speed Interface ESD Solutions

Product	Profile	Device Schematic	V _{RWM}	V _h	C, V _R =0V	ESD	V _c @ 16A (TLP)	V _c @ IPP (8/20μs)	Package	Application
SYT13L05AOC	NEW 		5V	NA	3pF	±12kV	12.5V	12V @ 2A	SOT-23 (2.9*2.4)	 CVBS  Cr  Y  Cb        
SYT13L05AQC									SOT523 (1.6*1.6)	
SYT06U05ABC			5V	NA	0.6pF	±20kV	12.5V	12V @ 3A	SOT23-6L (2.9*2.8)	
SYT06L05ABC			5V	NA	3.5pF	±30kV	11.5V	17V @ 20A		
SYT26L05ABC			5V	NA	1.2pF	±30kV	10.5V	13V @ 8A		
SYT05S05ABC	NEW		5V	NA	1.2pF	±30kV	10.5V	13V @ 8A		

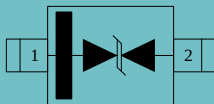
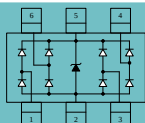
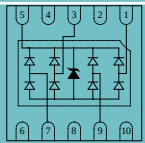
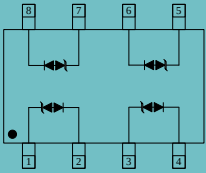
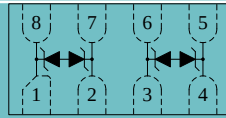
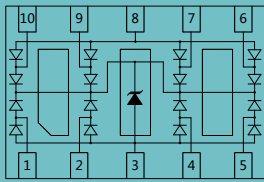
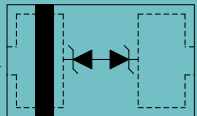
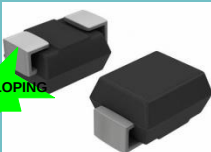
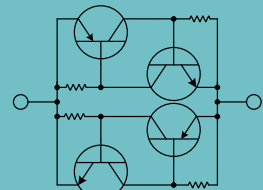
Power Interface Surge Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	$C, V_R=0V$	Surge VPP (8/20 μ s)	V_c @ IPP (8/20 μ s)	Package	Application
SYS01V05AMC SYS02V05AMC			5V Bi-D Uni-D	NA	200pF 350pF	90V 90V	18V @ 40A 15V @ 40A	SOD323 (1.7*1.3)	 Home Appliance
SYS01H12AMC SYS02H12AMC			12V Bi-D Uni-D	NA	100pF 150pF	70V 70V	33V @ 22A 30V @ 22A		
SYS01H15AMC SYS02H15AMC			15V Bi-D Uni-D	NA	80pF 120pF	70V 70V	38V @ 20A 35V @ 20A		
SYS02V05DWC			5V Uni-D	NA	350pF	90V	15V@40A	DFN1006-2L	 STB
SYS02H20DWC			20V Uni-D	NA	100pF	50V	40V@14A		
SYS03V05AOC			5V	NA	400pF	90V	15V @ 40A	SOT-23 (2.9*2.4)	 Router & Switch
SYS03H12AOC			12V	NA	150pF	70V	30V @ 22A		
SYS03H15AOC			15V	NA	120pF	70V	35V @ 20A		
SYS03N24AOC			24V	NA	100pF	70V	50V @ 12A		
SYS01X05AUC			5V	NA	1nF	350V(8/20 μ s) 1700V(5/320 μ s) 210V(10/1000 μ s)	14V @ 180A (8/20 μ s) 9.5V @ 42A (5/320 μ s)	SOD123 (2.7*1.6)	 DC Power
SYS02X05AUC			5V	NA	2nF	400V(8/20 μ s) 1800V(5/320 μ s) 220V(10/1000 μ s)	13.5V @ 205A (8/20 μ s) 8.6V @ 46A (5/320 μ s)		
SYS915VBHJC			15V	NA	1nF	660V(8/20 μ s) 3500V(5/320 μ s) 250V(10/1000 μ s)	27V @ 280A (8/20 μ s) 25V @ 85A (5/320 μ s)	SMB (5.3*3.5)	

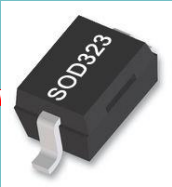
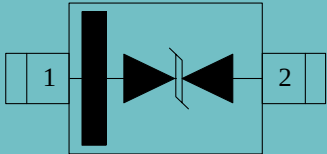
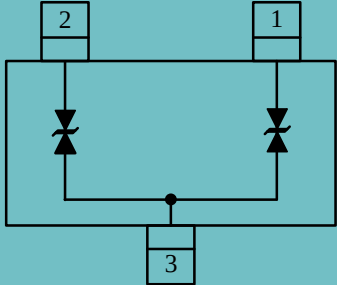
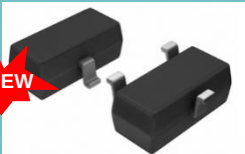
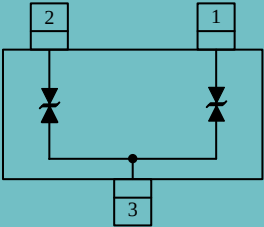
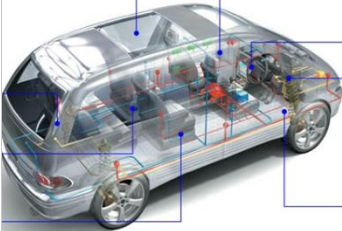
Power Interface Surge Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	C_r , $V_R=0V$	Surge VPP (8/20 μ s)	V_c @ IPP (8/20 μ s)	Package	Application
SYS12V05SLC SYS12V12SLC SYS12V20SLC	 		5V 12V 20V	NA	600pF 400pF 200pF	160V 100V 80V	16V @ 80A 20V @ 45A 35V @ 25A	DFN1.6*1.0-2L	 
SYS22V04SLC SYS22V12SLC SYS22V20SLC	 		4.5V 12V 20V	>4.6V NA NA	1100pF 680pF 350pF	500V 200V 100V	13V @ 240A 20V @ 100A 35V @ 42A	DFN1.6*1.0-2L	 
SYS12X04SKC SYS12X05SKC SYS12X07SKC SYS12X12SKC SYS12X20SKC	 		4.5V 5V 7V 12V 20V	>4.6V NA NA NA NA	1900pF 2100pF 1900pF 1200pF 800pF	800V 500V 400V 300V 150V	20V@400A 17V @ 250A 20V @ 230A 24V @ 150A 35V @ 75A	DFN2.0*2.0-2L	

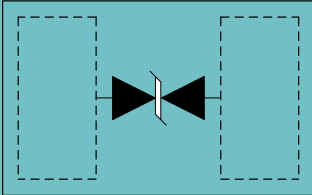
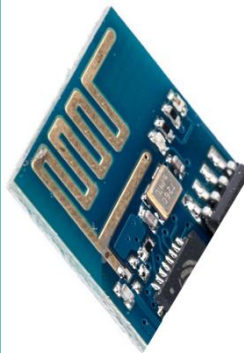
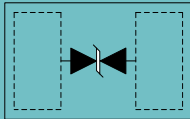
Telecom & Ethernet Surge Solutions

Product	Profile	Device Schematic	V _{RWM}	V _h	C, V _R =0V	IPP (8/20μs) (IEC61000-4-5)	Package	Application
SYS11U03AMC ~ SYS11U24AMC	NEW 		3 ~ 24V	>3.7V NA	0.6pF	25A ~ 6A	SOD323 (1.7*1.3)	 Router
SYS06L05ABC			5V	NA	3.5pF	20A	SOT23-6 (2.9*2.8)	
SYS01L03ABC			3.3V	>3.7V	3.5pF	20A		
SYS11L02SEC SYS11L03SEC			2.5/3.3V	>3V >3.7V	3.8pF	25A	DFN2.6*2.6-10L	 Switch
SYS12L02FAC			2.8V	>3V	1pF	60A	SO-8 (4.9*6.0)	
SYS22L02FAC			2.8V	>3V	2pF	60A		
SYS04L02FAC			2.8V	>3V	2pF	10A		
SYS13L02SJC SYS13L03SJC			2.5/3.3V	>3V/3.5V	4.5pF	10A	DFN2.0*1.0-8L	 PC
SYS13U02SJC			2.5V	>3V	0.5pF	10A		
SYS14L02DHC SYS14L03DHC			2.5/3.3V	>3V/3.5V	3.8pF	40A	DFN3.0*2.0-10L	 RJ45
SYS16L02DWC			2.5V	>3V	4.5pF	10A	DFN1.0*0.6-2L	
SYS3500AHJC SYS4200AHJC	DEVELOPING 		350V 420V	>1.2V	100pF	500A	SMB(5.3*3.5)	

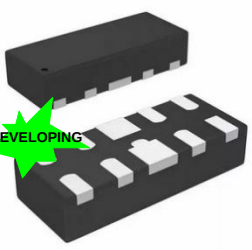
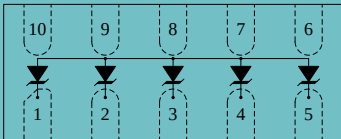
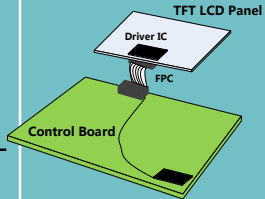
Automotive ESD Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	C_i $V_R=0V$	IPP (8/20 μs) (IEC61000-4-5) ESD Level (IEC61000-4-2)	Package	Application
SYT01N24AMA 			24V	>26.5V	12pF	4A $\pm 25kV$	SOD323 (1.7*1.3)	
SYT03N24AOA 			24V	>26.5V	12pF	4A $\pm 25kV$	SOT-23 (2.9*2.4)	
SYT03N24ASA 			24V	>26.5V	12pF	4A $\pm 25kV$	SOT323 (2.1*2.3)	

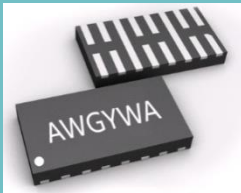
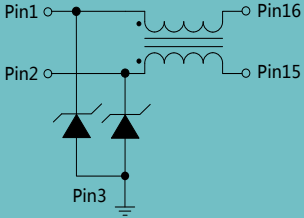
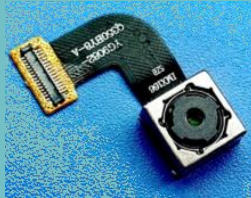
NFC Antenna ESD Solutions

Product	Profile	Device Schematic	V _{RWM}	V _h	C, V _R =0V	ESD Level (IEC61000-4-2)	Package	Application
SYT01S15DWC			15V	NA	0.35pF	±10kV	DFN1.0*0.6-2L	
SYT01A15DXC			15V	8V	0.15pF	±10kV	DFN0.6*0.3-2L	
SYT01A18DXC			18.5V	12V	0.15pF	±10kV	DFN0.6*0.3-2L	

LCD Panel ESD Solutions

Product	Profile	Device Schematic	V_{RWM}	V_h	$C, V_R=0V$	ESD Level (IEC61000-4-2)	Package	Application
SYT06L60DVC	DEVELOPING 		60V	NA	8.5pF	±10kV	DFN2.5*1.0-10L	 TV / Monitor Panel

LCM & Camera EMI Solutions

Product	Profile	Device Schematic	VRWM	Vh	fc	Atten	Package	Application
SYE40C02SSC SYE40C03DYC	 		5V	NA	4GHz	-35dB @ 1.5GHz	DFN2.5*2.0-8L DFN4.0*2.0-16L	   
SYE25C02SSC SYE25C03DYC			5V	NA	2.5GHz	-35dB @ 1.0GHz	DFN2.5*2.0-8L DFN4.0*2.0-16L	

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