

PROTECTION AND FILTER DEVICES



10-year longevity commitment



ST's 10-year longevity program ensures stable and continuous supply for customers

STMicroelectronics has certified a selection of protection and filter devices for our 10-year longevity commitment program. This program allows customers to protect their design investments by ensuring that the selected devices are available during a minimum of 10 years starting from the notification date. For more information about ST's longevity commitment program and the list of our certified ESD protection ICs and transient voltage suppressors (TVS) as well as application-specific and EMI filters, visit: www.st.com/longevity.



ABOUT THE 10-YEAR LONGEVITY PROGRAM

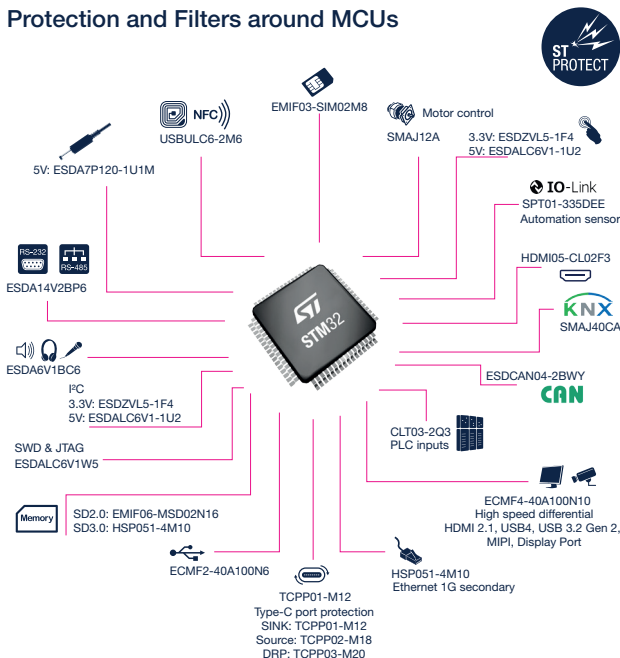
- Helps handling products lifetime while guaranteeing high performance and quality in harsh industrial environments
- Assures 10 years availability of a wide range of products starting from product introduction date
- Includes the period of notification as set forth in the standard STMicroelectronics end-of-life notification policy
- In case of significant volume decrease, technology or manufacturing changes, a switch to a comparable product could be decided by STMicroelectronics who will notify customers using the product/process change policy (PCN)

ST's Protection devices limit the voltage across a circuit, effectively protecting it in the event of accidental overloads and preventing catastrophic field failure rates directly induced by electrostatic discharge (ESD) as defined by the industry standards. Our filters and application-specific devices cover a wide variety of applications, simplifying customers' designs as well as ensuring space and cost savings.

ST's Protection and Filters portfolio covers a unique and comprehensive selection of high-performance components in a wide range of housings from axial cases to extra-small 01005 packages.

The 10-year longevity program supports customer design investments by ensuring that selected devices in our Protection and Filters portfolio are available during a minimum of 10 years from the notification date.

Protection and Filters around MCUs



Protection & Filters	Title	Description
EMI Filters and application specific	CLT03-1SC3/CLT03-2Q3/CLT3-4B	Self powered digital inputs current limiters
EMI Filters and application specific	ECMF04-4HSWM10/ECMF2-40A100N6/ECMF4-40A100N10	High Bandwidth CMF with integrated ESD protection
EMI Filters and application specific	ECMF4-2459A6M10Y	Automotive CMF with integrated ESD protection
EMI Filters and application specific	EMIF03-SIM02M8	EMI filter and ESD protection for SIM card
EMI Filters and application specific	EMIF06-MSD02N16	EMI filter and ESD protection for T-Flash and micro SD
ESD Protection	ESDA14V2BP6/ESDA6V1BC6	GPIO ESD protections, bidirectional
Transient Voltage Suppressors (TVS)	ESDA7P120-1U1M	High Power density Transient Voltages Suppressor
ESD Protection	ESDLC5-1BM2	Single-line low capacitance Transil™, transient surge voltage suppressor (TVS) for ESD protection
ESD Protection	ESDALC6V1-1U2	Single-line low capacitance Transil™ for ESD protection
ESD Protection	ESDALC6V1W	Quad transil array for ESD protection
ESD Protection	ESDAULC6-1U2/ESDAXLC5-1U2	Single-line unidirectional ESD protection for high speed interface
ESD Protection	ESDCAN01/02/03/04/ESDCAN05/06	Automotive dual-line TVS for CAN bus (12V or 24V system)
ESD Protection	ESDLIN1524BJ	Automotive single line ESD protection for LIN bus
ESD Protection	ESDZL5-1F4	Low clamping, low capacitance unidirectional single line ESD protection
EMI Filters and application specific	HDMI05-CL02F3/HDMI2C4-5F2	ESD protection for HDMI interfaces
ESD Protection	HSP051-4M10	4-line ESD protection for high-speed lines
Transient Voltage Suppressors (TVS)	LDP01- series	Automotive 22 V to 70 V TVS for load dump in D2PAK
EMI Filters and application specific	PCLT-2A/SCLT3-8BQ7/SCLT3-8BT8	Protected digital input terminations
Transient Voltage Suppressors (TVS)	SM30T/SMC30J	Automotive and Industrial 3000 W TVS in SMC
Transient Voltage Suppressors (TVS)	SMAJ12A/SMAJ40CA	400 W, TVS in SMA
Transient Voltage Suppressors (TVS)	SMC50J	Industrial 5000 W TVS in SMC
Thyristor surge suppressor (TSS)	SPT01-335DEE	Automation sensor transient and overvoltage protection
EMI Filters and application specific	TCPP01-M12/TCPP02-M18/TCPP03-M20	USB Type-C port protection
ESD Protection	USBULC6-2M6	Ultra large bandwidth ESD protection



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