

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.



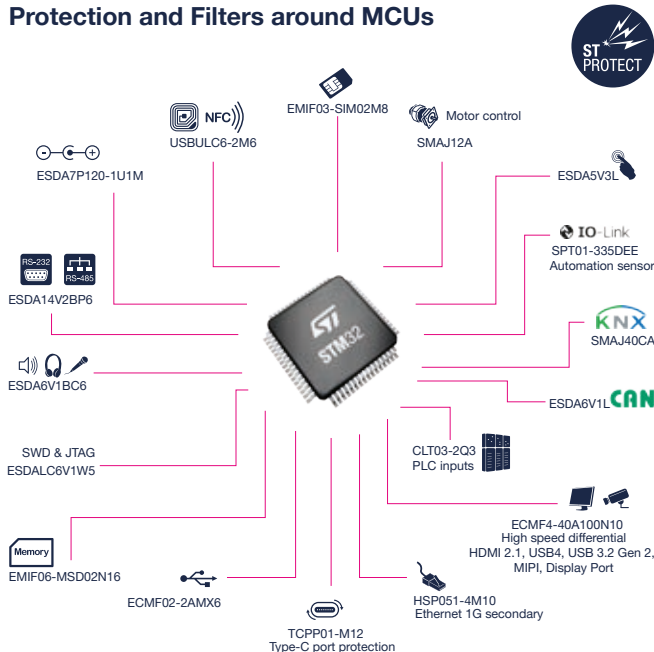
ABOUT THE 10-YEAR LONGEVITY PROGRAM

- 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	Starting date of Longevity Commitment
EMI Filters and application specific	CLT03-1SC3	Single line self powered digital input current limiter	January 2021
EMI Filters and application specific	CLT03-2Q3	Self powered digital input current limiter	August 2019
EMI Filters and application specific	CLT3-4B	Current limited over-voltage protected quad digital termination	January 2021
EMI Filters and application specific	ECMF04-4HSWM10	CMF with ESD protection	August 2019
EMI Filters and application specific	ECMF2-40A100N6	CMF with ESD protection	February 2022
EMI Filters and application specific	ECMF4-2459A6M10Y	Automotive CMF with ESD	October 2020
EMI Filters and application specific	ECMF4-40A100N10	CMF with ESD protection	February 2022
EMI Filters and application specific	EMIF03-SIM02M8	EMI filter and ESD protection for SIM card	August 2019
EMI Filters and application specific	EMIF06-MSD02N16	EMI filter and ESD protection for T-Flash and micro SD	August 2019
ESD Protection	ESDA6V1BC6	Quad bidirectional ESD protection	August 2019
Transient Voltage Suppressors (TVS)	ESDA7P120-1U1M	High-power transient voltage suppressor (TVS)	August 2019
ESD Protection	ESDALC6V1W	Quad transil array for ESD protection	August 2019
ESD Protection	ESDCAN01/02/03/04	Automotive dual-line TVS for CAN bus (12 V system)	January 2020
ESD Protection	ESDCAN05/06	Automotive dual-line TVS for CAN bus (24 V system)	January 2020
ESD Protection	ESDLIN1524BJ	Automotive single line ESD protection for LIN bus	January 2020
ESD Protection	HSP051-4M10	4-line ESD protection for high-speed lines	August 2019
EMI Filters and application specific	PCLT-2A	Dual current limited overvoltage protected digital termination	January 2021
EMI Filters and application specific	SCLT3-8BQ7	High speed digital input current limiter with digital filter	January 2021
EMI Filters and application specific	SCLT3-8BT8	Protected digital input termination with serialized state transfer	January 2021
Transient Voltage Suppressors (TVS)	SM30T/SMC30J	Automotive and Industrial 3000 W TVS in SMC	June 2022
Transient Voltage Suppressors (TVS)	SMC50J	Industrial 5000 W TVS in SMC	January 2022
Thyristor surge suppressor (TSS)	SPT01-335DEE	Automation sensor transient and overvoltage protection	August 2019
EMI Filters and application specific	TCPP01-M12	USB-C overvoltage protection for VBUS and CC lines	October 2019
EMI Filters and application specific	TCPP02-M18	USB Type-C Port Protection for Source application	September 2021
EMI Filters and application specific	TCPP03-M20	USB Type-C Port Protection for Dual Role Power application	March 2021



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