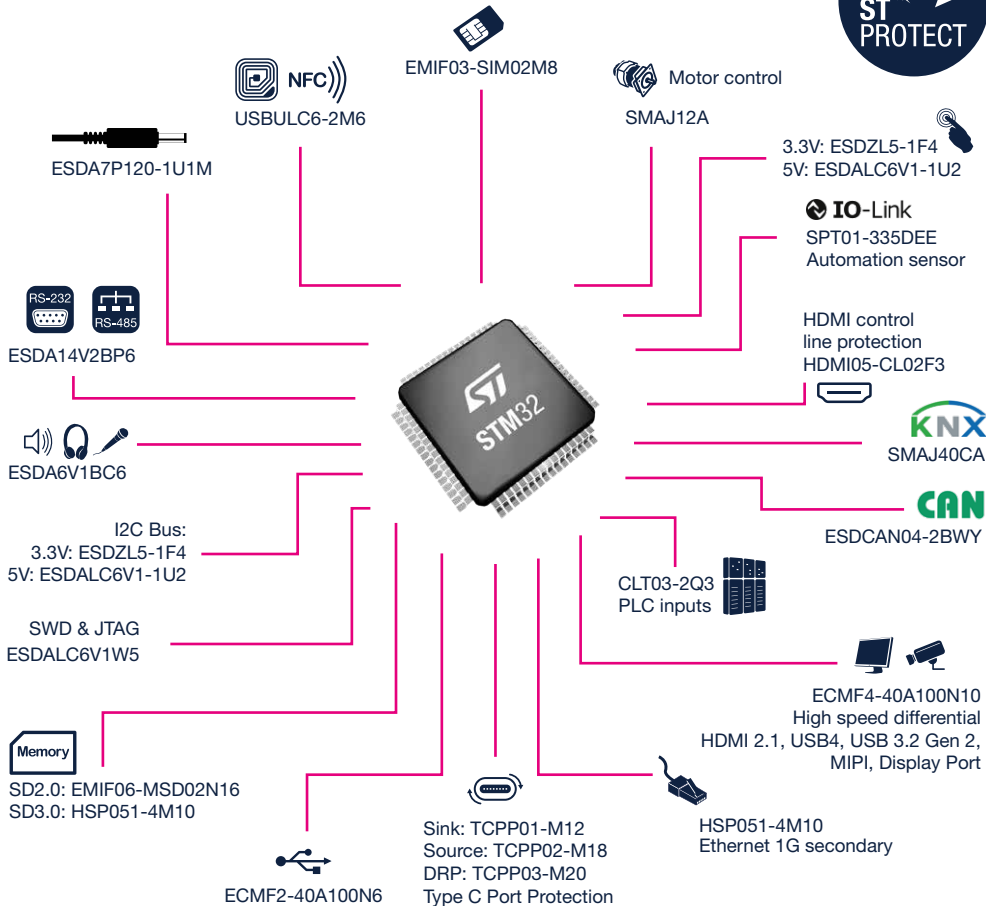


Protection and Filters around MCUs



ST ESD protection and EMI filter devices ensure compliance with the most stringent requirements.
 Protection efficiency with low clamping voltage (V_{CL})
 Protection transparency with low leakage current (I_{RM})
 Signal integrity with ultralow capacitance and ultrawide bandwidth.



Motor control	SMAJ12A	I2C bus	3.3V	ESDZL5-1F4	User button	3.3V	ESDZL5-1F4
			5V	ESDALC6V1-1U2		5V	ESDALC6V1-1U2
Power input 5V	ESDA7P120-1U1M	Type-C Port	Sink	TCPPO1-M12	IO-Link		SPT01-335DEE
			Source	TCPP02-M18			
			DRP	TCPP03-M20			
RS232 RS485	ESDA14V2BP6	Ethernet		HSP051-4M10	CAN		ESDCAN01-2BLY
Audio ports	ESDA6V1BC6	NFC tag		USBULC6-2M6	KNX		SMAJ40CA
SWD & JTAG	ESDALC6V1W5	SIM card		EMIF03-SIM02M8	PLC inputs		CLT03-2Q3
Memory card	SD2.0	EMIF06-MSD02N16	High speed interfaces	ECMF4-40A100N10	HDMI control line protection		HDMI05-CL02F3
	SD3.0						
USB 2.0	ECMF2-40A100N6						



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Standard packaging options are available, as well as advanced options like single- and multiple-line, compact, flat and flow-through versions to optimize space constraints.

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