

Date:

January 20, 2021

Document reference:	PCB reference: EVAL-L99ASC03 daughterboard
Company: STMicroelectronics	
Contact person:	E-mail:

Quantity	Designator	Comment	Footprint
3	C1, C10, C25	330u 40V	CAP POL 330uF50V
1	C2	680nF	RES 1206
13	C3, C11, C12, C13, C14, C15, C16, R27, R28, R29, R30, R31, R32	optional	RES 1206
3	C4, C7, C23	100nF	RES 1206
2	C5, C6	220nF 50V	RES 1206
2	C8, C9	1uF 50V	CAP POL 1uF 50V
3	C17, C18, C19	10nF	RES 1206
3	C20, C21, C22	100nF 40V	RES 1206
1	C24	100nF 50V	RES 1206
1	CON1	MOTOR CONNECTOR	CONNETTORE 3 POLI
1	CON2	Customer Power Board Connector	SIP 20 MASCHIO
1	CON3	HALL SENSORS	CONN 3 POLI 2.54
1	CON4	HALL_SUPPLY	CONN 2 POLI 2.54
1	CON5	VSMS	CON8CLIENTE
1	CON6	GND	CON8CLIENTE
1	CON15	Vbat	CONNETTORE 2 POLI
7	D1, D2, D3, D4, D5, D6, D10	BAT54	SOD-123
3	D7, D8, D9	LED GREEN	LED 0805
2	D11, D12	GF1B	DIODO6X3
1	Daughterboard Socket1	STM8UB_DB1	STM8 UNIBOARD
7	HS1, HS2, HS3, LS1, LS2, LS3, U4	STD60NF06	DPAK
1	INH_wakeup	SW-PB	PULSANTE SMD
2	JP1, JP4	JUMPER3CH	JUMPER 3CH
1	JP2	CONFIG_JUMPER	JUMPER
3	JP3a, JP3b, JP3c	ASC03_PS	JUMPER
1	JP6	JUMPER2CH	JUMPER
15	R1, R36, R37, R39, R40, R42, R43, R44, R47, R48, R50, R51, R52, R53, R54	OR	RES 1206
1	R2	OR (optional)	RES 1206
3	R3, R4, R5	4.7K	RES 1206
3	R6, R7, R49	1K	RES 1206
1	R8	10K	RES 1206
12	R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	2R2	RES 1206
8	R21, R22, R23, R24, R25, R26, R45, R46	100K	RES 1206
1	R33	1.5K	RES 1206
2	R34, R35	3.6K	RES 1206
1	R38	33K	RES 1206
1	R41	10M	RES 1206
1	Rshunt1	10mOhm	SHUNT10mOHM

1	Rshunt2	optional	SHUNT10mOHM
1	SW1	LIN_wakeup	PULSANTE SMD
1	T1	BC847	BC807
1	TP1	Temperature Sensor	TPOINTSMD
15	TP15, TP17, TP25, TP33, TP34, TP35, TP37, TP41, TP43, TP44, TP45, TP46, TP48, TP49, TP51	TP	TPOINT
1	TP50	Temperature Sensor	TPOINT
1	Tr1	SMCJ33CA	SOPPRESSORE8X6
1	U1	ASC03	STM8A 48 PIN
2	U2, U5	LM135	SO-8
1	U3	TS3021ILT	SOT323
1	U6	SC74LVC1G386	SC-70