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All resistors are 1% tolerance unless otherwise indicated
All capacitors are X7R or COG dielectric unless otherwise indicated

Index	Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer_Part_Number
1	Solder Jumper	EVL998M2P variant	3V3_VIO_5V_REG_VIO_CSA, STM_FAULTN_SPC, STM_FENH_SPC, STM_FENL_SPC	JUMP A SALDARE TRIPL0 - 080	Solder Jumper	5	RC0603JR-070RL
2	Closed	NOT MOUNTED	BST, CAN_EN_SPC, CWUP_SPC, LOAD, RX_SPC, SDI_SPC, SDO_SPC, TX_SPC, VDD_SPC	JP2_SMD	Circuit Breaker	9	
3	CAP_POL	CAP ELT 330uF 35V	C3, C4	CAP_10 X 12 - SMD	EEFK1V331P	2	EEFK1V331P
4	GCM21BR71H474KA55K	Capacitor	C7	CAPC2012X140N	GCM21BR71H	1	GCM21BR71H474KA55K
5	GCM188R71H103KA37J	Capacitor	C8, C9, C20	CAPC1608X90N	GCM188R71H	3	GCM188R71H103KA37J
6	C0402C221K5TACAUTO	Capacitor	C10	C0402C104JRACTU	C0402C221K5	1	C0402C221K5TACAUTO
7	22nF/50V	Capacitor	C11, C12	C0603-B	Generic Cap.	2	GRM155R71H223KA12D
8	100nF/50V	Capacitor	C13	C0603-B	Generic Cap.	1	GRM155R71H104KE14D
9	GRM1885C2A470GA01J	COG 2% SMD 0603 125°C	C14, C16	CAPC1608X90N	GRM1885C2A	2	GRM1885C2A470GA01J
10	CAP	0805	C15, C17	0805	CL21B104KCF	2	CL21B104KCFWPNE
11	GCM21BM8EH225KE08L	Capacitor	C18, C21	GCM21	GCM21BM8E	2	GCM21BM8EH225KE08L
12	VJ0603Y104XAAC	Capacitor	C19, C23, C27	CAPC1608X97N	VJ0603Y104X	3	VJ0603Y104XAAC
13	KGM31AR71H475KU	Capacitor	C22, C25, C28, C30	CAPC3216X180N	KGM31AR71H	4	KGM31AR71H475KU
14	GCM31CD71H106KE36K	Capacitor	C24, C26, C29, C31	GCM31C5C2E183FX03L	GCM31CD71H	4	GCM31CD71H106KE36K
15	Open	NOT MOUNTED	CAN_EN_STM, CWUP_STM, RX_STM, SDI_STM, SDO_STM, TX_STM, VDD_STM	JP2_SMD	Circuit Breaker	7	
16	100uH ACT45B-101-2P-TL003	Dual 100uH 5.8KOhm	CMC_H1	CHOKE	ACT45B-101-2	1	ACT45B-101-2P-TL003
17	CN7	2.54MM FEMALE	CN1	Header 19x2 - FEMALE	CES-119-02-G	1	CES-119-02-G-D
18	CN10	2.54MM FEMALE	CN2	Header 19x2 - FEMALE	CES-119-02-G	1	CES-119-02-G-D
19	CWUP	Keystone 4952 Test point	CWUP	TEST POINT - SIP1	4952	1	4952
20	SK34BHE3-LTP	Diode	D1, D3	DIOM5336X262N	SK34BHE3-LT	2	SK34BHE3-LTP
21	DIODE	SOD123FLAT	D2	SOD123	STPS1L40ZFY	1	STPS1L40ZFY
22	LED_GREEN	0805 SMD	D4	0805 LED	MP008291	1	MP008291
23	LED_YELLOW	0805 SMD	D5	0805 LED	MP001246	1	MP001246
24	LED_RED	SMD	D6	0805 LED	MP008293	1	MP008293
25	ESDCAN03-2BWY	Bi-Dir 1/2 30KV@Air	D7	SOT65P210X110-3N	ESDCAN03-2B	1	ESDCAN03-2BWY
26	STPS2L60ZFY	Schottky Diode	D8	SODFL3516X110N	STPS2L60ZFY	1	STPS2L60ZFY
27	SM6T33AY	directional)	D9	DIOM5436X265N	SM6T33AY	1	SM6T33AY
28	SM6T16V5AY	directional)	D10	DIOM5436X265N	SM6T16V5AY	1	SM6T16V5AY
29	Cannon 9M	Position, Right Angle	DB1	DB9M	Cannon 9M	1	5504F1-09P-02A-03
30	TEST_POINT	Keystone 4952 Test point	ERBST, FAULTN, PF, PR, VBATMON, VIO	TEST POINT - SIP1	4952	6	4952
31	ERBSTSW	Keystone 4952 Test point	ERBSTSW	TEST POINT - SIP1	4952	1	4952
32	FENH	Keystone 4952 Test point	FENH	TEST POINT - SIP1	4952	1	4952
33	FENL	Keystone 4952 Test point	FENL	TEST POINT - SIP1	4952	1	4952
34	Fiducial	Fiducial 1mm	Fid1, Fid2, Fid3	Fiducial 1mm	Fiducial	3	
35	GND	Test Point	GND1, GND2, GND3, GND4	4952k	test point	4	4952, [NoParam]
36	TJA1057GT_3	Surface Mount High-	IC1	SOIC127P600X175-8N	TJA1057GT_3	1	TJA1057GT/3
37	L99VR02XP	Integrated Circuit	IC2	SOP50P1030X245-37N	L99VR02XP	1	L99VR02XP
38	2-POLES CONNECTOR	2.54MM Pcb	J1, J2	691214310002	282834-2	2	VN02A150000G
39	1377297	Connector	J3	1377297	1377297	1	1377297
40	VLS4020CX-330M-H	(Coils), L=33uH, L x W x T	L1	VLS4020CX	VLS4020CX-33	1	VLS4020CX-330M-H
41	U1	used with L9965 product	U1	VFQFN32_4L_EP	L998M2P-FQ	1	L998M2P-FQ
42	LED_BLUE	SMD	LED_V5	0805 LED	MP008292	1	MP008292
43	NCS	Keystone 4952 Test point	NCS	TEST POINT - SIP1	4952	1	4952
44	ZXTP56060FDBQ-7	Transistor BJT PNP	Q1	ZXTP56060FDBQ7	ZXTP56060FD	1	ZXTP56060FDBQ-7
45	NPN	100V, 0.5A, SOT23-3	Q2	SOT-23-RS	FMMT415TD	1	FMMT415TD
46	PNP	30V, 0.5A	Q3	SOT-323	2SAR502U3T106	1	2SAR502U3T106
47	MMB02070C4708FB200	MMB 0207-50 1% B2 4R7	R1	MMB0207_VIS-M	MMB02070C4	1	MMB02070C4708FB200
48	ERJ-P06J2R2V	Resistor	R2	ERJP06D1000V	ERJ-P06J2R2V	1	ERJ-P06J2R2V
49	RES	1020	R3	R1020-RS	ERJ1AF620U	1	ERJ1AF680U
50	CRCW040210R0FKEDC	Resistor	R4	RESC1005X35N	CRCW040210	1	CRCW040210R0FKEDC
51	ERJP06J681V	Resistor	R5	ERJP06D1000V	ERJP06J681V	1	ERJP06J681V
52	RNCE0805BTE10K0	Resistor	R6	RESC2012X65N	RNCE0805BTE	1	RNCE0805BTE10K0
53	RES	1k	R7, R8, R9, R11	R0603-RS	RC0603FR-07	4	
54	RES	2512	R10	R2512-RS	ERJ1TY2R0U	1	ERJ1TY2R0U
55	RCA06030000ZSTA	Resistor	R12, R13, R14	RESC1608X50N	RCA06030000	3	RCA06030000ZSTA
56	100Q	ohm, 1/2% 0.1%, 125 mW,	R15, R16	0603_R	R	2	TNPW0603100RBEEA
57	ERJ-P06D1200V	Res Thick Film 0805 120 Ohm 0.5% 0.25W ±100ppm/°C Molded	R17	ERJP06D1000V	ERJ-P06D1200	1	ERJ-P06D1200V
58	CRCW0402267KFKED	SMD Punched Carrier T/R Resistor	R18, R19	RESC1005X40N	CRCW040226	2	CRCW0402267KFKED

59	RES	Fixed Resistor, Metal Glaze/thick Film, 0.25W, 10000ohm, 150V, 1% +/- Tol, 100ppm/Cel, Surface Mount, 0805	R20	R0805-RS	WF08P2201F	1	WF08P1002FTL
60	SCLK	Keystone 4952 Test point	SCLK	TEST POINT - SIP1	4952	1	4952
61	MOSI	Keystone 4952 Test point	SDI	TEST POINT - SIP1	4952	1	4952
62	MISO	Keystone 4952 Test point	SDO	TEST POINT - SIP1	4952	1	4952
63		Close 1-2 in EVL998M2P variant Close 2-3 in EVL9965P variant	STM_SCLK_SPC	JUMP A SALDARE TRIPLO - 080	Solder Jumper	1	RC0603JR-070RL