

LISTA PARTI SCHEDA 22-304-0 DATA 31/5/2023

Pos.	Qtà	Rif	Descrizione	Value	PN Costruttore	PN Fornitore	Costruttore	Package	Note
1	8	C1,C20,C21,C22,C23,C24,C25,C26	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K5RACTU	M:80-C0603C104K5R	KEMET	SMD0603	MLCC, X7R, 50V 0603
2	4	C2,C3,C4,C5	MLCC - SMD/SMT 50V 68pF COG (NP0) 0603 2%	68pF	C0603C680G5GACTU	M:80-C0603C680G5G	KEMET	SMD0603	100V
3	8	C6,C7,C27,C29,C30,C31,C33,C34	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF		M:80-C0603C104K5R	KEMET	SMD0603	MLCC, X7R, 50V 0603
4	4	C8,C13,C14,C19	COND.CRM. MULTILAYER Y5V SMD	1uF		M: 80-C0805C105Z3V	KEMET	SMD0805	
5	2	C9,C15	COND.ELT.ALLUM.SMD SIZE D	100uF	8,65081E+11	M: 710-865080545012	Wurth Elektronik	SIZE D	
6	4	C10,C11,C16,C17	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K8RACTU	M:80-C0603C104K5R	KEMET	SMD0603	MLCC, X7R, 50V 0603
7	1	C12	COND.CRM. MULTILAYER Z5U SMD	220nF		M: 80-C1206C224M5UACTM	KEMET	SMD1206	
8	1	C18	COND.CRM. MULTILAYER SMD	220nF		M: 80-C1206C224M5UACTM	KEMET	SMD1206	
9	4	C28,C32,C35,C36	MLCC, X7R, 50V 0603	10nF			VARI	SMD0603	MLCC, X7R, 50V 0603
10	5	C37,C41,C46,C51,C55	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K5RACTU	M:80-C0603C104K5R	KEMET	SMD0603	100V
11	8	C38,C39,C42,C43,C44,C45,C52,C53	Cond.Elt.Tantalio 35V SIZE C	4u7	T491C475K035AT	R- 538-2537	KEMET	TNT SIZE C	35V
12	2	C40,C54	Cond.Multilayer X7R, 50V 1210	2u2F	C1210C225K5RACTU	R-691-1246	KEMET	SMD1210	50V, X7R
13	4	C47,C48,C49,C50	MLCC - SMD/SMT 100V 0.033uF X7R 0603 10%	33nF	C0603C333K1RACTU	MULTICOMP	KEMET	SMD0603	100V
14	8	C56,C58,C59,C60,C61,C62,C64,C65	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K8RACTU	M:80-C0603C104K5R	KEMET	SMD0603	100V
15	1	C57	MLCC X7R, 10V 0805	10uF	C0805C106K8RACTU	KEMET	KEMET	SMD0805	10V, X7R
16	1	C63	MLCC X7R, 10V 1206	4u7	VARI	VARI	KEMET	SMD1206	10V, X7R
17	2	C66,C67	MLCC - SMD/SMT 10V 22pF COG (NP0) 0603 10%	22pF	C0603C220K8GACTU	M: 80-C0603C220K8GACTU	KEMET	SMD0603	10V, X7R
18	3	DL1,DL2,DL3	Diodo led smd 0805	VERDE	KP-2012SGD	F-2449804	KINGBRIGHT	SMD0805	
19	5	DL4,DL6,DL7,DL8,DL9	Diodo led smd 0805	GIALLO	KP-2012YD	F-2449812	KINGBRIGHT	SMD0805	

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20	1	DL5	Diodo led smd 0805	BLU	KP-2012PBC	F-8529884	KINGBRIGHT	SMD0805	
21	1	D1	DIODO 100V 200mA	1N4148WT	1N4148WT	F-2453270	ON	SOD523F	
22	1	D2	DIODO SCHOTTKY	BAT721A,215		M: 771-BAT721A-T/R	NEXPERIA	SOT23	
23	3	D3,D4,D5	DIODO TVS 5V 30A	SD05-01FTG		M: 576-SD05-01FTG	LITTELFUSE	SOD323-2	
24	4	D6,D7,D8, D9	DIODO 100V 200mA	1N4148WT		F-2453270	ON	SOD523F	
25	1	FLT1	filtro EMI 50V 15A EMI BLK FILT	BNX012-01			MURATA		
26	1	F1	Fusibili a montaggio superficiale 2 AMP	154 002T		M: 576-0154002.DRT	LITTELFUSE		
27	4	F2,F3,F4,F 5		FORO_HEART					
28	1	J1	CONN.HEADER 2X5 DRITTO P2	98414-G06-10LF	98414-G06-10LF	D-609-2580-ND	FCI	THT	PASSO 2MM
29	4	J2,J3,J4,J5	Connettore filo scheda verticale P.2.mm 4 VIE VERTICALE PTH	292161-4		M: 571-2921614	TE		Connettore filo scheda verticale P.2.mm 4 VIE VERTICALE PTH
31	2	J6,J8	Connettore filo scheda verticale P.2.mm 3 VIE VERTICALE PTH	292161-3		M: 571-292161-3	TE	292161-3	Connettore filo scheda verticale P.2.mm 3 VIE VERTICALE PTH
32	1	J7	Connettore filo scheda verticale P.2.mm 6 VIE VERTICALE PTH	292161-6		M: 571-292161-6	TE	292161-6	Connettore filo scheda verticale P.2.mm 6 VIE VERTICALE PTH
33	1	J9	Connettore filo scheda verticale P.2 mm 3 VIE VERT. PTH	B3B-PH-K-S(LF)(SN)		F-9492429	JST	B3B-PH-K-S(LF)(SN)	Connettore filo scheda verticale P2mm 3 VIE VERT. PTH
34	1	J10	Header boxed IDC dritto 2 X 3 P.2.54	61200621621	61200621621	F-2356251	WURTH	THT	
35	1	L1	Filtro Modo Comune x CAN BUS	DLW32SH101XF2L	DLW32SH101XF2L	D-490- DLW32SH101XF2LTR- ND	MURATA	DLW32SH101XF2L	115mA
36	6	L2,L3,L4,L 5,L8,L9	Ferrite Bead	BLM18BD102	BLM18BD102SN1D	R-724-1318	MURATA	SMD0603	200mA, 1K@100MHz
37	2	L6,L7	Induttore 8.2uH	8.2uH	SRR4528A-8R2Y	R-1765964	BOURNS	5X5MM SMD	2A, 70moHm, ferrite
38	5	Q1,Q2,Q3, Q4,Q5	MOSFET CANALE N	2N7002L	2N7002L	M: 512-2N7002L	ON	SOT23	60V VDS, 115mA, Vth=1.8
39	1	R1	Resistore thick film 1/4W 1% 0603	330R	VARI	MULTICOMP	VARI	SMD0603	
40	8	R2,R66,R7 5,R76,R77 ,R78,R79, R80	Resistore thick film 1/8W 1% 0603	680R	VARI	MULTICOMP	VARI	SMD0603	
41	1	R3	Resistore thick film 1/4W 1% 0603	4K7	VARI	MULTICOMP	VARI	SMD0603	
42	6	R4,R20,R2 8,R68,R69 ,R74	Resistore thick film 1/8W 1% 0603	330R	VARI	MULTICOMP	VARI	SMD0603	
43	1	R5	Resistore thick film 1/4W 1% 0603	100R	VARI	MULTICOMP	VARI	SMD1206	
44	6	R6,R21,R2 2,R29,R30 ,R73	Resistore thick film 1/8W 1% 0603	10K	VARI	MULTICOMP	VARI	SMD0603	
45	1	R7	Resistore thick film 1/8W 1% 0603	33R	VARI	MULTICOMP	VARI	SMD0603	
46	4	R8,R48,R5 5,R62	Resistore thick film 1/8W 1% 0603	120R	VARI	MULTICOMP	VARI	SMD0603	

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47	12	R9,R10,R11,R43,R47,R49,R50,R54,R56,R58,R61,R63	Resistore thick film 1/8W 1% 0603	470R	VARI	MULTICOMP	VARI	SMD0603	
48	2	R12,R13	Resistore thick film 1/8W 1% 0603	330		MULTICOMP	VARI	SMD0603	
49	2	R14,R15	Resistore thick film 1/8W 1% 0603	2k2		MULTICOMP	VARI	SMD0603	
50	2	R16,R24	Resistore thick film 1/8W 1% 0603	24K9	VARI	MULTICOMP	VARI	SMD0603	
51	4	R17,R18,R25,R26	Resistore thick film 1/4W 1% 1206	0R330		MULTICOMP	VARI	SMD1206	
52	5	R19,R27,R44,R52,R59	Resistore thick film 1/8W 1% 0603	15K	VARI	MULTICOMP	VARI	SMD0603	
53	7	R23,R31,R32,R36,R38,R41,R72	Resistore thick film 1/8W 1% 0603	1K	VARI	MULTICOMP	VARI	SMD0603	
54	2	R33,R39	Resistore thick film 1/8W 1% 0603	8K7	VARI	MULTICOMP	VARI	SMD0603	
55	2	R34,R40	Resistore thick film 1/4W 1% 1206	100R	VARI	MULTICOMP	VARI	SMD1206	
56	1	R35	Resistore thick film 1/4W 1% 1206	100R	VARI	MULTICOMP	VARI	SMD1206	
57	2	R37,R42	Resistore thick film 1/8W 1% 0603	16K9	VARI	MULTICOMP	VARI	SMD0603	
58	3	R45,R51,R57	Resistore thick film 1/8W 1% 0603	68R	VARI	MULTICOMP	VARI	SMD0603	
59	3	R46,R53,R60	Resistore thick film 1/8W 1% 0603	22K	VARI	MULTICOMP	VARI	SMD0603	
60	1	R64	Resistore thick film 1/8W 1% 0603	1K7	VARI	MULTICOMP	VARI	SMD0603	
61	3	R65,R67,R71	Resistore thick film 1/8W 1% 0603	2K2	VARI	MULTICOMP	VARI	SMD0603	
62	1	R70	Resistore thick film 1/8W 1% 0603	100R	VARI	MULTICOMP	VARI	SMD0603	
63	1	SW1	Plulsante Tactile smd	DTSM-32S-B		F: 9471898	MULTICOMP	SMD	
64	5	TVS1,TVS2,TVS3,TVS4,TVS5	Esd monodirezionale	SMBJ5A	SMBJ5.0A	M: 78-SMBJ5.0CA	VARI	SMB	5V Nominal
65	3	U1,U2,U18	Optoisolatore singolo	TCMT1103	TCMT1103	F-1328388	VISHAY	HALF PITCH MINI-FLAT	
66	1	U3	CAN TRANSCEIVER	TJA1050T	TJA1050T	M-771-TJA1050T/CM,118	NXP	SOIC-8	5V
67	1	U4	BUFFER LINE DRIVER	PCA9600D		M: 771-PCA9600D112	NXP	SOIC-8	
68	2	U5,U6	CIRCUITO INTEGRATO	A3984SLPTR-T		M: 250-A3984SLPTR-T	ALLEGRO	TSSOP-24	
69	1	U7	Dual Rail to Rail 5VDC General Purpose	MCP6002T-I/MS		M: 579-MCP6002T-I/MS	MICROCHIP	MSOP-8	1.8 to 5VDC, GB=1MHz
70	3	U8,U10,U12	Regolatore Variabile	LM317MDCY		M: 595-LM317MDCY	TI	SOT-223-4	Vo=37V, Io=1A, Vin=4.2-40V
71	3	U9,U11,U13	COMPARATOR WITH hysteresis	TLV7031QDBVRQ1		M: 595-TLV7031QDBVRQ1	TI	SOT-23-5	

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72	1	U14	Fixed Reference	LM4041CYM3-1.2-TR		M: 998-LM4041CYM3-1.2TR	MICROCHIP	SOT-23	1.225 0.5%
73	1	U15	DC/DC 5V 500mA	TSR 0.5-2450	TSR 0.5-2450	R-817-9400	TRACO POWER	THT	MAX 36V INPUT
74	1	U16	3.3VDC LDO	NCP1117ST33T3G	NCP1117ST33T3G	M-863-NCP1117ST33T3G	ON	SOT223	1.07V, vimax = 20V, Vi min=3.5V
75	1	U17	DC/DC 5V 1A	P78E05-1000	P78E05-1000	M: 490-P78E05-1000	TRACO POWER	THT	MAX 36V INPUT
76	1	U19	32bit ARM 4F 1MB Flash, 256K Ram, 2xCAN-FD	SAME51J20A-A	SAME51J20A-A	M: 556-ATSAME51J20A-AF	MICROCHIP	TQFP	1.7 to 3.6V
77	4	VG1,VG2, VG3,VG4		MASSA-VIRT					
78	1	XT1	Cristalli 32.768KHz, 12.5pF, ECX-16, +/-20 ppm, 1.6 x 1.0 x 0.5 mm, -40 +85 C, RoHS	32.768 kHz	ECS-.327-12.5-16-TR3	M-520-ECS.32712.516TR3	ECS	1.6 x 1.0 x 0.5 mm	-