

SCHEMA 22-304-1

DATA 6/5/2024

Pos.	Qtà	Rif	Descrizione	Value	PN Costruttore	PN Fornitore	Costruttore	Package	PcbFootprint	Note
1	1	C1	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K5RACTU	M:80-C0603C104K5R	KEMET	SMD0603	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	SMD0603	100V
3	2	C6,C7	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF		M:80-C0603C104K5R	KEMET	SMD0603	SMD0603	MLCC, X7R, 50V 0603
4	6	C8,C11,C22,C25,C27,C30	Cond.Multilayer X7R, 50V 1210	2u2F	C1210C225K5RACTU	R-691-1246	KEMET	SMD1210	SMD1210	50V, X7R
5	7	C9,C12,C19,C23,C26,C28,C32	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K5RACTU	M:80-C0603C104K5R	KEMET	SMD0603	SMD0603	100V
6	5	C10,C20,C21,C24,C31	Cond.Elt.Tantalio 35V SIZE C	4u7	T491C475K035AT	R- 538-2537	KEMET	TNT SIZE C	ETANT-C	35V
7	2	C13,C18	COND.CRM. MULTILAYER Y5V SMD	1uF		M: 80-C0805C105Z3V	KEMET	SMD0805	SMD0805-MET	
8	1	C14	COND.ELT.ALLUM.SMD SIZE D	100uF	8,65081E+11	M: 710-865080545012	Würth Elektronik	SIZE D	ALLSIZED	
9	2	C15,C16	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K8RACTU	M:80-C0603C104K5R	KEMET	SMD0603	SMD0603	MLCC, X7R, 50V 0603
10	1	C17	COND.CRM. MULTILAYER SMD	220nF		M: 80-C1206C224M5UACTM	KEMET	SMD1206	SMD1206	
11	12	C29,C33,C34,C35,C36,C38,C39,C40,C41,C42,C44,C45	MLCC - SMD/SMT 50V 0.1uF X7R 0603 10%	100nF	C0603C104K8RACTU	M:80-C0603C104K5R	KEMET	SMD0603	SMD0603	100V
12	1	C37	MLCC X7R, 10V 0805	10uF	C0805C106K8RACTU	KEMET	KEMET	SMD0805	SMD0805-MET	10V, X7R
13	1	C43	MLCC X7R, 10V 1206	4u7	VARI	VARI	KEMET	SMD1206	SMD1206	10V, X7R
14	2	C46,C47	MLCC - SMD/SMT 10V 22pF COG (NP0) 0603 10%	22pF	C0603C220K8GACTU	M: 80-C0603C220K8GACTU	KEMET	SMD0603	SMD0603	10V, X7R
15	1	DL1	Diodo led smd 0805	VERDE	KP-2012SGD	F-2449804	KINGBRIGHT	SMD0805	LED0805-MET-12	
16	6	DL2,DL3,DL5,DL6,DL7,DL8	Diodo led smd 0805	GIALLO	KP-2012YD	F-2449812	KINGBRIGHT	SMD0805	LED0805-MET-12	
17	1	DL4	Diodo led smd 0805	BLU	KP-2012PBC	F-8529884	KINGBRIGHT	SMD0805	LED0805-MET-12	
18	1	D1	DIODO 100V 200mA	1N4148WT	1N4148WT	F-2453270	ON	SOD523F	SOD523F1-2	
19	1	D2	DIODO SCHOTTKY	BAT721A,215		M: 771-BAT721A-T/R	NEXPERIA	SOT23	SOT23-123	
20	6	D3,D4,D7,D8,D9,D10	DIODO TVS 5V 30A	SD05-01FTG		M: 576-SD05-01FTG	LITTELFUSE	SOD323-2	SOD323_1_2	
21	2	D5,D6	DIODO 100V 200mA	1N4148WT		F-2453270	ON	SOD523F	SOD523F1-2	
22	1	FLT1	filtro EMI 50V 15A EMI BLK FILT	BNX012-01		M: 81-BNX012-01	MURATA		BNX012-01-MURATA_NEW	
23	1	F1	Fusibili a montaggio superficiale 2 AMP	154 002T		M: 576-0154002.DRT	LITTELFUSE		LITTELFUSE-154	
24	1	J1	CONN.HEADER 2X3 DRITTO P2	NANO-FIT 105310-1106	105310-1106	M: 538-105310-1106	MOLEX		1053101106-MOLEX	SERIE NANO-FIT
25	1	J2	CONN.HEADER 2X5 DRITTO P2	NANO-FIT 105310-2108	105310-2108	M: 538-105310-2108	MOLEX	THT	1053102208-MOLEX	SERIE NANO-FIT
26	1	J3	Connettore filo scheda verticale P.2.mm 4 VIE VERTICALE PTH	292161-4		M: 571-2921614	TE	292161-4	TYCO-292161-4	
27	1	J4	CONN.HEADER 2X1 DRITTO P2	NANO-FIT 105311-1102	105311-1102	M: 538-105311-1102	MOLEX		1053111102-MOLEX	SERIE NANO-FIT
28	1	J5	ZIF 14 POS. p 0.5 mm, 0.5A	68711414522		M: 710-68711414522	WURTH		68711414522-WE	
29	1	J6	Header boxed IDC dritto 2 X 3 P.2.54	61200621621	61200621621	F-2356251	WURTH	THT	61200621621-WE	

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30	1	L1	Filtro Modo Comune x CAN BUS	DLW32SH101XF2L	DLW32SH101XF2L	D-490-DLW32SH101XF2LTR-ND	MURATA	DLW32SH101XF2L	DLW32S_MURATA	115mA
31	7	L2,L4,L5,L6,L7,L8,L9	Ferrite Bead	BLM18BD102	BLM18BD102SN1D	R-724-1318	MURATA	SMD0603	SMD0603	200mA, 1K@100MHz
32	1	L3	Induttore 8.2uH	8.2uH	SRR4528A-8R2Y	R-1765964	BOURNS	5X5MM SMD	SRR4528A-BOURNS	2A, 70moHm, ferrite
33	6	Q1,Q2,Q3,Q4,Q5,Q6	MOSFET CANALE N	2N7002L	2N7002L	M: 512-2N7002L	ON	SOT23	SOT23-123	60V VDS, 115mA, Vth=1.8
34	1	R1	Resistore thick film 1/4W 1% 0603	330R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
35	8	R2,R59,R60,R61,R62,R63,R64,R65	Resistore thick film 1/8W 1% 0603	680R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
36	1	R3	Resistore thick film 1/4W 1% 0603	4K7	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
37	3	R4,R20,R58	Resistore thick film 1/8W 1% 0603	330R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
38	1	R5	Resistore thick film 1/4W 1% 0603	100R	VARI	MULTICOMP	VARI	SMD1206	SMD1206	
39	6	R6,R23,R24,R25,R57,R77	Resistore thick film 1/8W 1% 0603	10K	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
40	1	R7	Resistore thick film 1/8W 1% 0603	33R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
41	5	R8,R36,R41,R46,R51	Resistore thick film 1/8W 1% 0603	120R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
42	15	R9,R10,R11,R37,R39,R40,R42,R44,R45,R47,R49,R50,R52,R54,R55	Resistore thick film 1/8W 1% 0603	470R	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
43	2	R12,R13	Resistore thick film 1/8W 1% 0603	330		MULTICOMP	VARI	SMD0603	SMD0603	
44	2	R14,R15	Resistore thick film 1/8W 1% 0603	2k2		MULTICOMP	VARI	SMD0603	SMD0603	
45	1	R16	Resistore thick film 1/8W 1% 0603	24K9	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
46	2	R17,R18	Resistore thick film 1/4W 1% 1206	0R330		MULTICOMP	VARI	SMD1206	SMD1206	
47	1	R19	Resistore thick film 1/8W 1% 0603	15K	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
48	2	R21,R22	Resistore thick film 1/8W 1% 0603	0	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
49	10	R26,R28,R29,R32,R33,R38,R43,R48,R53,R56	Resistore thick film 1/8W 1% 0603	1K	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
50	1	R27	Resistore thick film 1/8W 1% 0603	2K2	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
51	9	R30,R31,R34,R35,R68,R70,R72,R74,R76	Resistore thick film 1/8W 1% 0603	33K	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
52	4	R69,R71,R73,R75	Resistore thick film 1/8W 1% 0603	20K	VARI	MULTICOMP	VARI	SMD0603	SMD0603	
53	2	U1,U2	Optoisolatore singolo	TCMT1103	TCMT1103	F-1328388	VISHAY	HALF PITCH MINI-FLAT	SSOP4	
54	1	U3	CAN TRANSCEIVER	TJA1050T	TJA1050T	M-771-TJA1050T/CM,118	NXP	SOIC-8	SO8	5V
55	1	U4	BUFFER LINE DRIVER	PCA9600D		M: 771-PCA9600D112	NXP	SOIC-8	SO8	
56	4	U5,U6,U10,U11	Linear Regulator 5V@1A	MC7805BD2TR4G	MC7805BD2TR4G	M: 863-MC7805BD2TR4G	ON	DPAK	D2PAK	MAX 36V INPUT
57	1	U7	CIRCUITO INTEGRATO	A3984SLPTR-T		M: 250-A3984SLPTR-T	ALLEGRO	TSSOP-24	TSOP65P640X120-25M	
58	1	U8	DC/DC 9V 1A	P78E09-1000	P78E09-1000	M: 490-P78E09-1000	TRACO POWER	THT	P78E09-1000-CUI	MAX 36V INPUT
59	1	U9	Linear Regulator 3V3@500mA	UA78M33CKVURG3	UA78M33CKVURG3	M: 595-UA78M33CKVURG3	TI	TO-252-3	DPAK-STD	MAX 36V INPUT
60	1	U12	32bit ARM 4F 1MB Flash, 256K Ram, 2xCAN-FD	SAME51J20A-A	SAME51J20A-A	M: 556-ATSAME51J20A-AF	MICROCHIP	TQFP	QUAD.50M/64/WG 12.00	1.7 to 3.6V

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62	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	ECX-16	-