

WYKAZ KOMPONENTÓW PŁYTKI PCB

LP.	Nazwa komponentu	Opis	Oznaczenie komponentu na płytce	Standard obudowy	ilość
1	10uF 25V	CAP CER 10uF 25V 10% X5R SMD 0805	C1, C119, C126, C147, C195, C202, C210	CAP_0805_MD	7
2	0.1uF	CAP CER 0.1uF 50V 10% X7R SMD 0402, CAP CER 0.1uF 35V X5R 0402, X5R 0402 0.1uF +/- 10% 6.3V	C2, C4, C5, C6, C11, C13, C14, C17, C19, C21, C22, C25, C27, C29, C30, C33, C35, C37, C38, C41, C43, C45, C46, C49, C52, C54, C55, C56, C57, C58, C59, C60, C61, C63, C64, C65, C66, C67, C68, C69, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C87, C89, C90, C92, C93, C94, C95, C96, C97, C98, C102, C103, C106, C107, C108, C115, C116, C132, C133, C138, C139, C140, C215, C220, C223, C224, C225, C226, C227, C228	CAP_0402_MD	81
3	100pF	CAP CER 100pF/10V 10% X5R SMD 0402, COG 0402 100pF 50V	C3, C12, C20, C28, C36, C44, C152	CAP_0402_MD	7
4	100p	CAP CER 100pF/10V 10% X5R SMD 0402	C7, C15, C23, C31, C39, C47	CAP_0402_MD	6
5	1uF	CAP CER 1uF 10V 10% X5R SMD 0402, CAP CER 1uF 50V 10% X7R SMD 0402	C8, C9, C16, C18, C24, C26, C32, C34, C40, C42, C48, C50, C53, C71	CAP_0402_MD	14
6	1nF	CAP CER 1000PF 2KV 1808	C10, C145	CAP_1808_MD	2
7	10uF	CAP CER 10uF 6.3V 20% X5R SMD 0603	C51, C62, C70	CAP_B_0603_MD	3
8	10uF/6.3V	CAP CER 10uF 6.3V 20% X5R SMD 0603	C83	CAP_B_0603_MD	1
9	15pF	CAP CER 15pF 50V 5% NP0 SMD 0402	C84, C85, C99, C100	CAP_0402_MD	4

10	4.7uF	CAP CER 4.7uF 6.3V 20% X5R SMD 0603	C86, C88, C91, C101, C105	CAP_B_0603_MD	5
11	12pF	CAP CER 12pF 50V 5% NPO SMD 0402	C104	CAP_0402_HD	1
12	1uF 35V	CAP CER 1UF 35V 10% X5R SMD 0402	C109, C110, C111, C112, C113, C114, C123, C130, C141, C142, C162, C163, C193, C194, C207, C214, C216, C217, C221, C222	CAP_0402_MD	20
13	220nF	CAP CER 0.22UF 35V 10% X5R SMD 0402	C117, C124, C200, C208	CAP_0402_MD	4
14	33pF	COG 0402 33pF 50V	C118, C125, C201, C209	CAP_0402_MD	4
15	47uF 25V	CAP CER 47UF 25V X5R 1206	C120, C127, C203, C211	CAP_1206_B_MD	4
16	100uF	CAP X5R 1206 100uF +/-20% 6.3V, GRM31CR60J107ME39L	C121, C122, C129, C136, C137, C205, C206, C212, C213	CAP_1206_B_MD	9
17	330uF	CAP TANT 330uF 6.3V 20% 45mOhm SMD D	C128	TANTAL_SMD_D	1
18	1uF	CAP CER 1UF 50V 10% X7R 0603	C131, C134, C146, C150, C218, C219	CAP_B_0603_MD	6
19	0.1uF	CAP CER 0.1UF 35V X5R 0402	C135	CAP_B_0603_MD	1
20	10nF	CAP CER 10nF 50V 10% X5R SMD 0402	C144	CAP_0402_MD	1
21	4.7pF	COG 0402 4.7pF 50V	C148, C149	CAP_0402_MD	2
22	12pF	COG 0402 12pF 50V	C151, C154	CAP_0402_MD	2
23	0.1uF	X5R 0402 0.1uF +/-10% 6.3V	C153, C155, C156, C157, C158, C159, C160, C161	CAP_0402_HD	8
24	560uF	EEFT1V561AP, 560uF/35V	C196, C197, C204	CAP_EL_SMD_PNSC-FT-V-G_V	3
25	220uF/100V	EEU-FS2A221	C198, C199	EEUFS2A221	2
26	BAT54	SOT23, NEXPERIA, BAT54,215	D1, D4, D9, D14, D19, D24, D29, D55, D56	SOT23-3_V NXP	9
27	BYS12-90-M3	SMB, SHOTTKY, 100V/1.5A	D2, D7, D12, D17, D22, D27, D40, D54	FP-SMB-MFG	8
28	SMBJ60A	TVS, 60V, SMB	D3, D8, D13, D18, D23, D28	FP-SMB-MFG	6

29	LL4148	Small Signal Diode, 100 V, 0.2 A, -55 to 175 degC, 2-Pin SOD80, RoHS, Tape and Reel	D5, D10, D15, D20, D25, D30	SOD80-2_V	6
30	APT1608CGCK	LED GREEN CLEAR CHIP SMD	D6, D11, D16, D21, D26, D31, D39	FP-APT1608CGCK-MFG	7
31	APT1608VBC/D	LED BLUE CLEAR CHIP SMD	D32	FP-APT1608CGCK-MFG	1
32	APT1608SURCK	LED RED CLEAR CHIP SMD	D33	FP-APT1608CGCK-MFG	1
33	TPD1E05U06DPYT	TVS DIODE 5.5V 14V 2X1SON	D34, D35, D36, D37, D38, D41, D42, D43, D44, D45, D46, D49, D52, D53, D57, D58, D59, D60	TPD1E05U06DPYT	18
34	BAS70W-05-7-F	Schottky Barrier Diode, 70 V, 70 mA, -55 to 125 degC, 3-Pin SOT323, RoHS, Tape and Reel	D47	DIOD-SOT323-3_V	1
35	TPD4E05U06QDQARQ1	TVS DIODE 5.5V 14V 10USON	D48, D50	TPD4E05U06QDQARQ1	2
36	MINISMDC050F-2	PTC RESET FUSE 24V 500MA 1812, LITTELFUSE	F1, F2, F3	FP-MINISMDC050F-MFG	3
37	FUSE	LITTLEFUSE 0154002	F4	Fuse block	1
38	BLM21PG221SN1D	FERRITE 2A 220R SMD 0805	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9	BLM21_MD	9
39	0857891006	Molex Magnetic Jack, MXMag, RJ45	G1, G2, G3, G4, G5, G6	RJ45	6
40	SODIMM-260	TE CONNECTIVITY - 2309413-1 - Memory Socket, DDR4, SODIMM Socket, 260 Contacts, Copper Alloy, Gold Plated Contacts	G7	FP-2309413-1-MFG	1
41	FAN-HEADER	SoC Fan Header 4pinpp	G8	0470531000	1
42	RJ45-7499111447		G9	RJ45-7499111447	1
43	61400416021	USB 2.0 Type A Receptacle WR-COM, Horizontal, THT	J1, J3	61400416021	2

44	692121230100	USB 3.0 Type A Receptacle WR-COM, Horizontal, THT, with Clips, with 1.04 mm Offset	J2	692121030100	1
45	47151-0001	Male HDMI Receptacle, Right Angle, -20 to 85 degC, 19-Pin SMD, RoHS, Tape and Reel	J4	HDMI	1
46	61300811121	CON HDR-2.54 MALE 1x8 GOLD 5.84MH TH VERT	J5	HDR_M_2.54_1x6	1
47	Barrel Connector	CONN PWR JACK 2.1X5.5MM HIGH CUR	J9	DC PLUG	1
48	691311500102	Serie 311 - 5.08mm Close Vertical PCB Header WR-TBL, 2 pin	J10	691311500102	1
49	74269241601	0402, 74269241601, Wurth, 0402,74269241601, Wurth	L1, L13, L14, L15, L16, L19, L20, L21	L0402	8
50	7447714033	WURTH, 3.3uH	L2, L3, L17, L18	WE-PD 1050	4
51	742792641	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 300 Ohm	L4, L6, L8	SMD-0603	3
52	744232090	WURTH, SMD Common Mode Noise Suppressor WE-CNSW, Z = 90 Ohm	L5, L7, L10	WE-CNSW-1206	3
53	7442335600	WE-CNSW HF SMT Common Mode Line Filter, size 0504, 600Ohm, 600mA, 20V	L9, L11	WE-CNSW HF_0504	2
54	744765010A	1nH, 0402, 744765010A, Wurth	L12	L0402	1
55	THUNDERBIRD MODULE		M1, M3	Thunderbird	2
56	ULS-12/5-D48N-C	ULS-12/5-D48N-C, Murata Power Module	M2	ULS-60	1
57	61300211121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 2 pins	P1, P2, P3, P4, P5, P6, P9, P16, P17, P18, P23	61300211121	11
58	61301021121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Dual Row, 10 pins	P7	3M-N2510-6002-10_V	1
59	61300311121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	P10	61300311121	1

60	BSO613SPV		Q1, Q8, Q15, Q22, Q29, Q36	BSO613SPV	6
61	BC856	PNP General Purpose Transistor, 65 V, -65 to 150 degC, 3-Pin SOT23, RoHS	Q2, Q9, Q16, Q23, Q30, Q37	SOT23-3_V NXP	6
62	BSS138	MOSFET N-CH 50V 220MA SOT-23	Q3, Q4, Q6, Q7, Q10, Q11, Q13, Q14, Q17, Q18, Q20, Q21, Q24, Q25, Q27, Q28, Q31, Q32, Q34, Q35, Q38, Q39, Q41, Q42	SOT23-3_V NXP	24
63	BC846BLT1G	General Purpose Transistor, NPN Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q5, Q12, Q19, Q26, Q33, Q40	SOT23-3_V NXP	6
64	BSS138	MOSFET N-CH 50V 220MA SOT-23	Q43, Q44, Q45, Q46, Q47, Q48, Q50, Q51	FP-318-08-SOT-23-MFG	8
65	MMBT3904LT1G	General Purpose Transistor, NPN Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q49	ONSC-SOT-23-3-318-08_V	1
66	DNP	0603, 0.1W	R1, R3, R254, R319	RES_0603_MD	4
67	OR	0603, 0.1W	R2, R16, R43, R68, R93, R118, R143, R160, R161, R162, R192, R214, R230, R233, R235, R241, R255, R321, R327, R331, R334	RES_0603_MD	21
68	33k	0603, 0.2W, 0603, 0.1W	R4, R5, R6, R11, R13, R15, R31, R32, R33, R38, R40, R42, R56, R57, R58, R63, R65, R67, R81, R82, R83, R88, R90, R92, R106, R107, R108, R113, R115, R117, R131, R132, R133, R138, R140, R142	RES_0603_MD	36
69	OR2 / 1W	OR2 1W 2010	R7, R34, R59, R84, R109, R134	2010-MFG	6
70	2k2	0603, 0.1W	R8, R9, R18, R35, R36, R45, R60, R61, R70, R85, R86, R95, R110, R111, R120, R135, R136, R145	RES_0603_MD	18

71	3k3	0603, 0.1W	R10, R37, R62, R87, R112, R137	RES_0603_MD	6
72	100k	0603, 0.1W, 0603 10%	R12, R39, R64, R89, R114, R139, R267, R269, R270, R271, R290	RES_0603_MD	11
73	300k	0603, 0.1W	R14, R19, R41, R46, R66, R71, R91, R96, R116, R121, R141, R146	RES_0603_MD	12
74	10k	0603, 0.1W, 0603 10%	R17, R25, R26, R29, R30, R44, R50, R53, R54, R55, R69, R75, R76, R79, R80, R94, R100, R103, R104, R105, R119, R125, R128, R129, R130, R144, R150, R153, R154, R155, R158, R170, R212, R218, R219, R246, R247, R249, R250, R251, R253, R256, R257, R258, R263, R264, R268, R330, R335, R336	RES_0603_MD	50
75	47k	0603, 0.1W	R20, R47, R72, R97, R122, R147	RES_0603_MD	6
76	100R	0603, 0.1W	R21, R22, R51, R52, R77, R78, R101, R102, R126, R127, R151, R152, R200, R201, R260, R261	RES_0603_MD	16
77	68k	0603, 0.1W	R23, R24, R48, R49, R73, R74, R98, R99, R123, R124, R148, R149	RES_0603_MD	12
78	5R6	Chip Resistor	R27, R28, R175, R176, R177, R180, R181, R211	RES_0402_HD	8
79	2.05k	0603, 0.1W	R156, R213	RES_0603_MD	2
80	10k DNP	0603, 0.1W	R157, R228, R229	RES_0603_MD	3
81	0R DNP	0603, 0.1W	R159, R174, R187, R190, R215, R216	RES_0603_MD	6
82	1k	0603, 0.1W	R163, R172, R173, R178, R179, R182, R183, R184, R185, R186, R188, R189, R191, R209	RES_0603_MD	14

83	22R	0402, 0.1W	R164, R165, R167, R168, R169, R171, R202, R203, R204, R205, R207	RES_0402_HD	11
84	1k	DNP, 0402, 0.1W	R166	RES_0402_LD	1
85	6.04k 1%	0603, 0.1W	R193	RES_0603_MD	1
86	10k	0402, 0.1W	R194, R195, R196, R197, R217	RES_0402_HD	5
87	1k DNP	0402, 0.1W	R198, R199	RES_0402_HD	2
88	1k	0603, 0.1W	R206	RES_0402_HD	1
89	0R	0402, 0.1W	R208	RES_0402_HD	1
90	12.1k	Chip Resistor	R210	RES_0603_MD	1
91	1k DNP	0603, 0.1W	R220, R221	RES_0603_MD	2
92	1M	2010, 0603, 0.1W	R222, R226, R248, R332, R333	RES_0603_MD	5
93	0	0603	R223, R224, R225, R227	RES_0603_MD	4
94	150k 1%	0603, 0.1W	R236, R242, R322	RES_0603_MD	3
95	40k2 1%	0603, 0.1W	R237, R243, R245, R323, R328	RES_0603_MD	5
96	33k 1%	0603, 0.1W	R238, R244, R324	RES_0603_MD	3
97	12k7 1%	0603, 0.1W	R239	RES_0603_MD	1
98	470k	0603, 0.1W	R252	RES_0603_MD	1
99	1k8	0603 10%	R265, R266	RES_0603_MD	2
100	162k	0603 10%	R272	RES_0603_MD	1
101	32k4	0603 10%	R274	RES_0603_MD	1
102	499R	0402 499ohm 1% 62.5mW	R277, R278, R280, R281, R283, R284, R286, R287	RES_0402_HD	8
103	5k49 1%	0603, 0.1W	R325	RES_0603_MD	1
104	8k87 1%	0603, 0.1W	R329	RES_0603_MD	1
105	PTS645SM43SMTR92LFS	SWITCH TACTILE SPST-NO 0.05A 12V	SW1, SW3, SW4, SW5	FP-PTS645SM43SMTR92LFS-MFG	4

106	418121160808	WS-DISV 2.54 mm small compact SMD Dip Switch with top tape	SW2	418121160808	1
107	5003	Test Point, Kystone, 1-Pin THD, RoHS	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP11, TP13, TP19, TP20, TP23, TP25, TP27, TP28	KSTN-5003	16
108	5001	Test Point, Keystone, 1-Pin THD, RoHS, Bulk	TP12, TP14, TP21, TP22, TP24, TP26	KSTN-5001	6
109	LT1431IS8	IC VREF SHUNT ADJ 0.4% 8SOIC	U1	SO-8-LINEAR-TECH-MFG	1
110	LT6004IMS8#PBF	Dual Channel, Precision Operational Amplifier, RRIO, 0.002 MHz Typical GBW, 0.0008 V/us Typical SR, 1.6 to 16 V, 8-Pin SOP (MS8-8), Industrial, Pb-Free	U2, U3, U4, U5, U6, U7	MS8-8_M	6
111	KSZ9897RTXC	IC ETHERNET SWITCH 7PORT 128TQFP	U8	FP-C04-418-IPC_C	1
112	74LVC1G14SE-7	IC INVERTER SCHMITT 1CH SOT353	U9, U11, U16	FP-SOT353-IPC_B	3
113	KSZ9031RNXCC	Gigabit Ethernet Transceiver with RGMII Support, 1.14 to 1.26 V, 0 to 70 degC, 48-Pin QFN, RoHS	U12	MICL-QFN-48_V	1
114	MP2384C	MPS, 24V, 4A, Low IQ, Synchronous Buck Converter with Forced Continuous Conduction Mode (CCM)	U14, U15, U28, U29	QFN-11-MPS	4
115	74LV165D,118	Nexperia, 74LV165D,118	U17	SOIC-16A-MFG	1
116	74LV595D	Nexperia, 74LV595D,118	U18	SOIC-16A-MFG	1
117	AP22804AW5-7		U19, U20, U33	SOT25-MFG	3
118	SN74LVC245APWR	IC TXRX NON-INVERT 3.6V 20TSSOP	U21, U22	TSSOP-20-MFG	2
119	NCP160AMX180TBG	IC REG LINEAR 1.8V 250MA 4XDFN	U30	FP-711AJ-MFG	1
120	SN74LVC1G10DBVR	IC GATE NAND 1CH 3-INP SOT23-6	U31, U34	SOT23-6-A	2

121	SN74LVC1G126DBVR	Single Bus Buffer Gate With 3-State Outputs, DBV0005A, LARGE T&R	U32, U35	DBV0005A_M	2
122	DSC400	DSC400-1111Q0085KI1	X1	DSC400	1
123	ABM8G-25.000MHz-B4Y-T	CRYSTAL 25.0000MHZ 10PF SMD	Y1, Y2	ABM8G-25.000MHZ-B4Y-T	2
124	NVIDIA JETSON XAVIER NX MODULE 16GB - 900-83668-0030-000	Jetson Xavier NX 16GB	Jet1		1