

ZAŁĄCZNIK NR 4 - LISTA BOM

Komentarze

Jeśli przy kondensatorze nie podano napięcia znamionowego proszę o zastosowanie 6.3V lub więcej
Wszystkie kondensator X5R lub X7R lub COG NPO

W kolumnie DNP oznaczono, elementy niemontowane

Reference	Value	Footprint	DNP	manf#	Qty
> AE1, AE2	SMA	MKT_CONN:WE_60312242114510		WE_60312242114510	2
BT1	LiPo 1SnP	Connector_JST:JST_XH_S2B-XH-A-1_1x02_P2.50mm_Horizontal		JST S2B-XH-A-1 + LP405063 ze złączem XHP-2	1
> C1, C2, C6, C15, C19, C22, C23, C31-C35, C40, C43, C44, C48, C51, C54-C56, C58, C61-C65, C67, C68	100n	Capacitor_SMD:C_0603_1608Metric		CAP 100nF 0603	28
> C5, C37	10n	Capacitor_SMD:C_0603_1608Metric		CAP 10nF 0603	2
C7	100p	Capacitor_SMD:C_0402_1005Metric		CAP 100pF 0603	1
> C3, C4, C8, C9	NM	Capacitor_SMD:C_0402_1005Metric	1	DNM CAP 0402	4
> C16, C24	100u	Capacitor_SMD:C_1210_3225Metric		CAP 100uF 1210 6.3V	2
> C13, C17, C41, C42, C45, C46, C49	10p	Capacitor_SMD:C_0603_1608Metric		CAP 10pF 0603	7
> C10-C12, C14, C18	33p	Capacitor_SMD:C_0603_1608Metric		CAP 33pF 0603	5
> C20, C21	18p	Capacitor_SMD:C_0603_1608Metric		CAP 18pF 0603	2
> C25, C36	4.7u	Capacitor_SMD:C_0603_1608Metric		CAP 4.7uF 0603	2
C26	4.7u/10V	Capacitor_SMD:C_0603_1608Metric		CAP 4.7uF 0603 10V	1
> C27, C28	10u/25V	Capacitor_SMD:C_0805_2012Metric		CAP 10uF 0805 25V	2
> C29, C30, C52, C57	10u	Capacitor_SMD:C_0603_1608Metric		CAP 10uF 0603	4
C38	1u/10V	Capacitor_SMD:C_0603_1608Metric		CAP 1uF 0603 10V	1
C47	3.6n	Capacitor_SMD:C_0603_1608Metric		CAP 3.6nF 0603	1
> C50, C53	22u/10V	Capacitor_SMD:C_0805_2012Metric		CAP 22uF 0603	2
> C39, C59, C60, C66	1u	Capacitor_SMD:C_0603_1608Metric		CAP 1uF 0603	4
CON1	WE_693043020611	MKT_CONN:WE_693043020611		WE_693043020611	1
> D1, D2	NUP2105L	Package_TO_SOT_SMD:SOT-23		SZNUP2105LT1G	2
> D4, D9-D11	ESD3V3D5-TP	Diode_SMD:D_SOD-523		ESD3V3D5-TP	4
D5	RED	LED_SMD:LED_0603_1608Metric		KP-1608LSURCK	1
D6	GREEN	LED_SMD:LED_0603_1608Metric		LTST-C190KGKT	1
> D3, D7	ESD8351XV2T1G	Diode_SMD:D_SOD-523		ESD8351XV2T1G	2
D8	ESD5V0D5-TP	Diode_SMD:D_SOD-523		ESD5V0D5-TP	1
D12	WE-TVS_SOT563_8240015	MKT_SOT:SOT-563		WE_82400152	1
> D13, D17	WE_824013	MKT_SOT:WE-TVS_SOT23-6L		WE_824013	2
> D14, D18, D20, D21, D23, D24	ESDA18-1K	Diode_SMD:D_SOD-523		ESDA18-1K	6
> D15, D16	MMS23V3	Diode_SMD:D_SOD-523		MMS23V3	2
F1	1.5A/16VDC	Fuse:Fuse_1812_4532Metric		OZCG0075FF2C	1
F2	2A/6VDC	Fuse:Fuse_1206_3216Metric		OZCJ0200FF2C	1
F3	2A/16VDC	Fuse:Fuse_1812_4532Metric		MINIASMDC200F/16-2	1
FB1	BLM18GG471	Inductor_SMD:L_0603_1608Metric		BLM18GG471SN1D lub WE_742792642	1
FB2	WE_742792604	Inductor_SMD:L_0603_1608Metric		WE_742792604	1
> H1-H4	Hole	MountingHole:MountingHole_3.2mm_M3_Pad	1	DNM MOUNTING HOLE	4
J2	430450800	Connector_Molex:Molex_Micro-Fit_3.0_43045-0800_2x04_P3.00mm_Horizontal		430450800	1

J4	430450600	Connector_Molex:Molex_Micro-Fit_3.0_43045-0600_2x03_P3.00mm_Horizontal		430450600	1
J5	430451800	Connector_Molex:Molex_Micro-Fit_3.0_43045-1800_2x09_P3.00mm_Horizontal		430451800	1
> J3, J6	1-215079-8	CarBoxNG:MicroMaTch-Female-18		WE_690367181872 lub 1-215079-8	2
J7	430450400	Connector_Molex:Molex_Micro-Fit_3.0_43045-0400_2x02_P3.00mm_Horizontal		430450400	1
J8	SWD	MKT_CONN:WE_490107670612	1	DNM	1
JP1	USB_BOOT	Jumper:SolderJumper-2_P1.3mm_Open_Pad1.0x1.5mm	1	DNM	1
L1	47nH	Inductor_SMD:L_0402_1005Metric		WE_744765147A	1
L2	4.7uH	Inductor_SMD:L_Wuerth_MAPI-4030		WE_74438357047	1
> Q1-Q13, Q17	BSS138	Package_TO_SOT_SMD:SOT-323_SC-70		BSS138PW.115	14
> Q14-Q16	SI2337DS	Package_TO_SOT_SMD:SOT-23		SI2337DS-T1-GE3	3
> R1, R3	NM	Resistor_SMD:R_0603_1608Metric	1	DNM RES 0603	2
> R2, R4, R7, R8, R18-R23, R27, R30-R32, R39, R40, R49	33k	Resistor_SMD:R_0603_1608Metric		RES 33k 0603	17
> R5, R6, R14-R17, R24, R26, R28, R29, R44, R53	1k	Resistor_SMD:R_0603_1608Metric		RES 1k 0603	12
R10	15k	Resistor_SMD:R_0603_1608Metric		RES 15k 0603	1
> R9, R12	0R	Resistor_SMD:R_0402_1005Metric		RES 0R 0402	2
> R13, R45, R50, R56, R57	10k	Resistor_SMD:R_0603_1608Metric		RES 10k 0603	5
R25	10R	Resistor_SMD:R_0603_1608Metric		RES 10R 0603	1
> R33, R37	27k	Resistor_SMD:R_0603_1608Metric		RES 27k 0603	2
> R35, R36, R55	100R	Resistor_SMD:R_0603_1608Metric		RES 100R 0603	3
> R34, R38	7.5k	Resistor_SMD:R_0603_1608Metric		RES 7.5k 0603	2
R41	1.54k 1%	Resistor_SMD:R_0603_1608Metric		RES 1.54k 0603 1%	1
> R42, R48, R51, R52	4.7k	Resistor_SMD:R_0603_1608Metric		RES 4.7k 0603	4
R43	69.8k 1%	Resistor_SMD:R_0603_1608Metric		RES 69.8k 0603	1
> R46, R47,	0R	Resistor_SMD:R_0603_1608Metric		RES 0R 0603	2
R58	133k 1%	Resistor_SMD:R_0603_1608Metric		RES 133k 0603 1%	1
R59	24k 1%	Resistor_SMD:R_0603_1608Metric		RES 24k 0603 1%	1
R60	47k	Resistor_SMD:R_0603_1608Metric		RES 47k 0603	1
> R61-R64	22R	Resistor_SMD:R_0603_1608Metric		RES 22R 0603	4
SW1	D2FS-FL-N-A1	MKT_BUT_SW:D2FS-FL-N-A1		D2FS-FL-N-A1	1
TH1	10k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P2.54mm_Vertical		103JG1KE, NTC 10k B3892	1
> TP1-TP4	TestPoint	TestPoint:TestPoint_Pad_D1.5mm	1	DNM	4
> U1, U3	SN65HVD230	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm		SN65HVD230DR	2
U2	MCP2517FD-xJHA	Package_DFN_QFN:DFN-14-1EP_3x4.5mm_P0.65mm_EP1.65x4.25mm_ThermalVias		MCP2518FDT-H/QBB lub MCP2517FD-H/JHA	1
U4	TLV1117-33	Package_TO_SOT_SMD:SOT-223-3_TabPin2		TLV1117-33IDCY	1
U5	BG96	CarBoxNG:BG96		BG96	1
U6	TPS54328DRC	Package_SON:Texas_DRC0010J_ThermalVias		TPS54328DRC	1
U7	MS5607-02BA	MKT_IC_OTHER:MS5607_Reel		MS5607-02BA03	1
U8	MCP73833	Package_DFN_QFN:DFN-10-1EP_3x3mm_P0.5mm_EP1.55x2.48mm		MCP73833-AMI/MF	1
U9	ADXL343	MKT_IC_OTHER:ADXL343BCCZ		ADXL343BCCZ-RL	1
U11	MMCS983MA	Package_LGA:LGA-16_3x3mm_P0.5mm		MMCS983MA	1
U12	FXAS21002	MKT_IC_OTHER:FXAS21002C_QFN-24_4x4mm_P0.5mm_REEL		FXAS21002CQR1	1
U13	STM32L486QGlx	Package_BGA:UFBGA-132_7x7mm_Layout12x12_P0.5mm		STM32L486QGI6	1

Y1	16MHz	Crystal:Crystal_SMD_EuroQuartz_X22-4Pin_2.5x2.0mm	WE_830069392 (LFX TAL069392REEL)	1
Y2	32.768kHz	Crystal:Crystal_SMD_MicroCrystal_CC7V-T1A-2Pin_3.2x1.5mm	ABS07-32.768KHZ-T lub ABS07L-32.768KHZ-T	1
Y3	20MHz	Crystal:Crystal_SMD_Abracon_ABM10-4Pin_2.5x2.0mm	ABM10W-20.0000MHZ-8-K1Z-T3	1