

Bill Of Materials for STEROWNIK ROTORA

Design Title STEROWNIK ROTORA
Author SP7CKH
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Revision 1.0
Design Created wtorek, 21 listopada 2017
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Total Parts In Design 140

44 Capacitors

Quantity	References	Value	Obudowa	Placed	TME/MARITEX
11	C1, C12, C17, C19, C27, C34, C36, C41, C42, C43, C44	100nF	0805	Top Copper	C0805C104K3RACTU
6	C2, C3, C4, C5, C6, C7	1nF	0805	Bottom Copper	08053C102KAT2A
6	C8, C9, C10, C11, C13, C14	1nF	0805	Top Copper	08053C102KAT2A
3	C15, C16, C40	470/16V	CAP-RAD-8	Top Copper	UVR1C471MPD
1	C18	220/6,3	TANT-D	Top Copper	293D227X96R3C2TE3
1	C20	220/6,3	TANT-C	Top Copper	293D227X96R3C2TE3
11	C21, C22, C23, C24, C25, C26, C29, C30, C31, C32, C33	100nF	0805	Bottom Copper	C0805C104K3RACTU
1	C28	0,22F/5V	CAP-RAD-13	Top Copper	
2	C35, C37	100nF	1206	Bottom Copper	CL31B104KBCNNNC
2	C38, C39	1000/25V	CAP-RAD-10	Top Copper	UVR1V471MPD

Sub-totals:

46 Resistors

Quantity	References	Value	Obudowa	Placed	TME/MARITEX
2	R1, R2	4K7	0805	Top Copper	
7	R3, R17, R18, R31, R32, R33, R34	2k2	0805	Top Copper	
2	R4, R14	120	0805	Top Copper	
3	R5, R15, R16	1k	0805	Top Copper	
20	R6, R7, R8, R9, R10, R11, R12, R13, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30	220	0805	Bottom Copper	
8	R35, R36, R37, R38, R43, R44, R45, R46	220	0805	Top Copper	
4	R39, R40, R41, R42	470	0805	Top Copper	

Sub-totals:

9 Integrated Circuits

Quantity	References	Value	Obudowa	Placed	TME/MARITEX
1	U1	DS3231	SO16W	Top Copper	DS3231SN drogi prawie 50zł
1	U2	7805	TO252	Top Copper	MC7805BDTG

4	U3,U4,U5,U6	SN75179	SO8	Top Copper	TYLKO PRZY DŁUGIM KABLU
2	U7,U8	L298	MULTIWATT15V	Top Copper	L298N
1	U10	GPS_PA6H	GPS_PA6H	Top Copper	Maritex GPS- FGPMMOPA6H

Sub-totals:

21 Diodes

Quantity	References	Value	Obudowa	Placed	TME/MARITEX
3	D1,D2,D3	BAS21	SOT23-D1	Top Copper	BAS21
16	D4,D5,D6,D7,D8,D9,D10,D11,D12, D13,D14,D15,D16,D17,D18,D19	P6SMBJ	DO214	Bottom Copper	P6SMBJ5.0CA
1	D20	SS14-E3	DO214	Top Copper	SS14-E3
1	D21	MUR820G	DO220	Top Copper	MUR820G

Sub-totals:

20 Miscellaneous

Quantity	References	Value	Obudowa	Placed	TME/MARITEX
1	BAT1	3V	SN2032	Top Copper	SN2032
5	J1,J3,J4,J5,J6	ARDUINO-SIL8	ARDUINO-SIL8	Bottom Copper	ZL201-40G
1	J2	ARDUINO-SIL10	ARDUINO-SIL10	Bottom Copper	ZL201-40G
1	J7	ARDUINO-DIL36	ARDUINO-DIL36	Bottom Copper	ZL202-80G
1	J8	N42GP-04	N42GP-04	Top Copper	N42GP-04
1	J9	SMA	SMA_KAT	Top Copper	73391-0083
1	J10	CONN-H2	MOLEX_2p	Top Copper	NX2500-02SMS
3	J11,J12,J18	CONN-H10	MOLEX2_5_10P	Top Copper	NX2500-10SMS
1	J13	T821110A1S100CEU	CON10_2X5_US_FCI	Top Copper	T821110A1S100CEU
1	J14	CONN-H6	MOLEX2_5_6P	Top Copper	NX2500-06SMS
2	J15,J16	N42GP-02	N42GP-02	Top Copper	N42GP-02
1	J17	DS1013-20SSIB1-B-0	CON20_2X10_US_FCI	Top Copper	DS1013-20SSIB1-B-0
1	J19	CONN-H8	MOLEX_8P	Bottom Copper	NX2500-08SMS

Sub-totals:

Totals:

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