



0 - 13		1357	5		
Quantity	Comment	LibRef	Designator	Description	Footprint PDF 40.5
	Motor	Motor	B1, B2 BT1	Motor, General Kind	RB5-10.5 BAT-2
	Battery	Battery	C1, C3, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C22,	Multicell Battery	BAT-2
			C23, C24, C25, C26, C27, C28, C29, C30, C33, C35, C36,		
36	100nF	100nF[[/\]]0603[[/\]]1	C37, C38, C39, C55, C62, C65, C66, C67, C68, C69, C70, C71	Capacitor	RESC1608X06L
	100111	4.7ur[[/\]]0003[[/\]]1,	C/ I	Сарасног	NEGOTOGO NOCE
7	10uF	10uF[[/\]]0603[[/\]]1	C2, C4, C32, C46, C51, C52, C72	Capacitor	RESC1608X06L
7	4.7nF	CAP-NP	C15, C16, C17, C18, C19, C20, C21	Capacitor	CAPC1608N
9	4.7uF	4.7uF[[/\]]0603[[/\]]1	C31, C40, C43, C44, C45, C47, C48, C49, C50	Capacitor	RESC1608X06L
1	10uF X5R	10uF[[/\]]0603[[/\]]1	C34	Capacitor	RESC1608X06L
2	18pF	10pF[[/\]]0603[[/\]]3	C41, C42		RESC1608X06L
2	1nF	100nF[[/\]]0603[[/\]]1	C53, C54	Capacitor	RESC1608X06L
3	1uF	TuF[[/\]]0603[[/\]]1, 4.7uF[[/\]]0603[[/\]]1	C56, C61, C63	Capacitor	RESC1608X06L
1	1.5nF	10nF[[/\]]0603[[/\]]1	C57	Capacitor	RESC1608X06L
		TUNF[[/\]]U6U3[[/\]]T,			
	47nF	470nF[[/\]]0603[[/\]]1	C58, C59, C60	Capacitor	RESC1608X06L
1	51pF	10nF[[/\]]0603[[/\]]1	C64	Capacitor	RESC1608X06L
4	19-21SURC/S530-A3/TR8	LED	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIOC1608X08N
4	BT5050RGBC-T180	LED RGB SMD 2	D2, D6, D27, D38	\$0.027/2000k	LEDSMD5
12	27-21SURC/S530-A3	LED	D7, D9, D10, D11, D12, D17, D18, D25, D26, D32, D35, D36	SMD Red led right angle mount 2V@20ma 57mcd	27-21 Everlight
3	27-21/BHC-AN1P2/3C	LED	D8, D31, D37	SMD Blue led right angle mount 3.3V@20ma 28mcd	27-21 Everlight Blue
				LED standard - CMS Helios SMD Yellow 590nm	-
	APTD1608SYCK	LED	D13, D14, D15, D16, D21, D22, D23, D24	480mcd	DIOC1608X08N
2	WP7104SRC/D	LED	D19, D20	Red led 2V@20ma 57mcd	Led_TH_3mm_20mm
3	APTD1608CGCK	LED	D28, D29, D30	LED standard - CMS Helios SMD Green 570nm 230mcd	DIOC1608X08N
2	BAT54S	BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N
1	Speaker	Speaker	LS1	Loudspeaker	PIN2
1	TD4015BPN	Micro1	MC1	·	MICRO_TD4015BPN
			04 02 02 04 05 02 07 02 02 04 04 04		
			Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24,		
			Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33, Q34, Q35,	l	
46	BC817-40	BC817-40	Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46 R1, R2, R57, R59, R61, R63, R64, R65, R67, R92, R93,	NPN General-purpose Transistor	SOT23_N
			R94, R103, R104, R111, R112, R113, R114, R142, R144,		
22	4.7K	4.7K[[∧]]0603[[∧]]1	R145, R146	Resistor	RESC1608X06L
16	33	68K[[/\]]0603[[/\]]1, RES	R3, R5, R68, R69, R70, R71, R72, R73, R98, R99, R100, R135, R147, R148, R149, R150	120, Resistor	RESC1608X06L
	2.7K	RES	R4, R6	Resistor	RESC1608X06L
		22K[[/\]]0603[[/\]]1,	,	TOO OF THE PROPERTY OF THE PRO	112010001002
8	22K	RES	R7, R8, R9, R10, R11, R42, R43, R130	120, Resistor	RESC1608X06L
15	2.2K	2.2K[[/\]]0603[[/\]]1, RES	R12, R13, R14, R15, R16, R32, R33, R34, R35, R41, R44, R45, R52, R53, R126	120, Resistor	RESC1608X06L
	1.5K	RES	R17, R18, R19, R20, R26, R46, R47	120	RESC1608X06L
		TK[[/\]]0603[[/\]]T,			
8	1K	RES	R21, R22, R23, R24, R25, R48, R49, R108	120, Resistor	RESC1608X06L
		8.2K[[/\]]0603[[/\]]2, 10K[[/\]]0603[[/\]]1,			
		10K[[/\]]0603[[/\]]2,	R27, R28, R29, R30, R31, R50, R51, R101, R102, R109,		
	10K	RES	R110, R117, R118, R128, R129, R136	120, Resistor	RESC1608X06L
7	6.2	RES	R36, R37, R38, R39, R40, R54, R55 R56, R58, R60, R62, R74, R75, R76, R77, R78, R79, R80,	120	RESC1608X06L
14	56	68K[[/\]]0603[[/\]]1	R81, R90, R91	Resistor	RESC1608X06L
			R66, R82, R83, R84, R85, R86, R87, R88, R89, R95, R96,		
	39		R97, R133, R134	Resistor	RESC1608X06L
	100	RES_ACORT	R105, R106	Resistance	RESC1608X06N
	180	, ,	R107, R137	Resistor	RESC1608X06L
2	5.6K	2.2K[[/\]]0603[[/\]]1 TUK[[/\]]0603[[/\]]1,	R115, R116 R119, R120, R121, R122, R123, R124, R138, R139, R141,	Resistor	RESC1608X06L
10	100K		R143	Resistor	RESC1608X06L
1	680K	470K[[/\]]0603[[/\]]1	R125	Resistor	RESC1608X06L
1	6.8K	10K[[/\]]0603[[/\]]1	R127	Resistor	RESC1608X06L
1	820	22K[[/\]]0603[[/\]]1	R131	Resistor	RESC1608X06L
1	47K	22K[[/\]]0603[[/\]]1	R132	Resistor	RESC1608X06L
1	270K	270K[[/\]]0603[[/\]]2	R140	Resistor	RESC1608X06L
1	NCP15XH103F03RC	Res Thermal	RT1	Thermistors - NTC 10K OHM 1%0402	RESC1005X04L
		SD-Card-WICTO- ASLTRON 5190008-			
1	MicroSD-Astron 5190008-XA4-R	XA4-R	S1	MicroSD Card connector 5190008-XA4-R	Astron 5190008-XA4-R
1	SW-PB	SW-PB	\$2	Switch	FSMRA2JH
4	DMG1013T	DMG1013T	T1, T2, T3, T4	Transistor MOSFET 1 x P Pining : 1=G, 2=S, 3=D	SOT50P160X80-3N
4	DMG1012T	DMG1012T	T5, T6, T7, T8	Transistor MOSFET 1 x N, Pining : 1=G, 2=S, 3=D	SOT50P160X80-3N
1	MMA7660FC	MMA7660FC	U1	MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g	DFN50P300X300X100-12N
2	ITR9909	ITR9909	U2, U3	Everlight Opto Interrupter	ITR9909_LONG
	MCDGLOAT E/CT	MCDGL04T F/OT	114 115	T MHZ, 85 µA Quad Op Amp, 14-Pin 155OP, Extended	TOPOD CT44 N
	MCP6L04T-E/ST	MCP6L04T-E/ST	U4, U5	Temperature Range, Tape and Reel	TSSOP-ST14_N
ļ ⁷	ITR9909	ITR9909	U6, U7, U8, U9, U10, U11, U12	Everlight Opto Interrupter 8-Bit Senar-Input/Senar or Prailer-Output Shift Register	ITR9909_EDGE
5	MC74HC595ADTR2	MC74HC595ADTR2	U13, U14, U15, U16, U17	with Latched 3-State Outputs	948F-01_N
4	AP7331-33WG-7	AP7331	U18, U22, U24, U26	300mA, Low Quiescent Current, Fast Transient LDO	SOT95P285X100-5N
1	PIC24FJ128GB106-I/PT	PIC24FJ128GB106- I/PT	U19	General Purpose 16-Bit Flash Ivilidocontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature	TQFP-PT64_N
1	IRM-3636T	TSOP32236	U20	Systems	IR-receiver
1	MCP73871-2AAI/ML	MCP73871-2AAI/ML	U21	Stand-Alone System Load Sharing and Lifon Lifony In Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N
1	FAN3988	FAN3988	U23	USB/ Charger and Over Voltage Detection Device	MLP 1.45x1mm
1	LM4819M	LM4819M	U25	350mW Audio Power Amplifier with Shutdown Mode	M08A_N
1	Con1x6	Con1x6	X2	1 x 6 pins connector	MHDR1X6
1	Alstron R3190005-021-R	USB_MINIAB	X3	USB connector Micro B	Astron 3190005-x21-r
1	815-ABLS-8-B2	HC49/4H_SMX	Y1	Surface Mount Quartz Crystal 8Mhz	HC49/4H_SMX

1 1 1 1 1 1 6 1 6 1 6 1 1 8 1 1 1 1 6 1 1 8 1 1 1 1	115-ABLS-8-B2 AP7331-33WG-7 MCP6L04T-E/ST A-7K A-7K A-7K A-7K A-7K A-7K A-7K A-7K	4.7K[[/.]0 603[[/.]]1 100nr[[[/.]] 1 BC817-40 10pr[[/.]] 0603[[/.]] 3 RES 4.7UF[[/.]] 0603[[/.]] 1 LED RGB SMD 2 ITR9909 LED 4.7UF[[/.]] 0603[[/.]] 1 1.0UF[[/.]] 1 0603[[/.]] 1 MC74HC5	R105 G83 R38 Y1 U26 U4 R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8 T1, T2, T3, T4	Resistance Capacitor 120 Surface Mount Quartz Cystal 8M/nz Surface Mount Quartz Cystal 8M/nz Surface Mount Quartz Cystal 8M/nz Surface Mount Quarter, Capacitor TMM2, so JA Quarter Range, Tape and Reel Resistor Capacitor NPM General-purpose Transistor Capacitor Resistor Capacitor So.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor Sens sensi-input/Sensor of Praile/Cutput Shrift Everlight Opto Uniterrupter Praile/Cutput Shrift 120 120 120 120 120 120 120 120	RESC1608X06N RESC1608X06L RESC1608X06L RESC1608X06L HC49/4H_SMX SOT95P285X100-5N TSSOP-ST14_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3rm_20rm RESC1608X06L 948F-01_N RESC1608X06L SOT50P1608X06L SOT50P1608X06L	Botto
1 6.1 1 MM 1 4 1 1 MM 1 2 4 1 1 1 MM 1 3 1 1 MM 1 2 4 1 1 1 MM 1 3 1 1 MM 1 4 1 1 1 MM 1 4 1 1 MM 1 5 1 1 MM 1 6 1 MM 1 6 1 MM 1 7 4 1 MM 1 8 MM 1	3.2 3.13-ABLS-8-B2 315-ABLS-8-B2 315-ABLS-8-	603[[/.i] RES RES AP7331 MCP6L04 T-E/ST 4.74[[/.i] 603[[/.i] 1 MCP6L04 TUPPIT/II 603[[/.i] 603[[/.i] 1 MCP6L04 TUPPIT/II 603[[/.i] 603[[/.i] 1 MCP74HCS 95ADTe2 RES 95ADTe2 RES	R38 Y1 U26 U4 R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	120 Surrace wount quartz Cyrstal MMz Surrace wount quartz Cyrstal MMz Surrace, Low Quiescent Current, Fast Transient LDO Tymer, Ses pur Quart Quarty Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel Resistor Capacitor Resistor Capacitor Surrace, Tape and Reel Resistor Capacitor Capacitor Surrace, Tape and Reel Resistor Capacitor Capacitor Capacitor Surrace, S	RESC1608X06L HC49/4H_SMX SOT95P285X100-5N TSSOP-ST14_N RESC1608X06L RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 488F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto
1 6.1 1 MM 1 4 1 1 MM 1 2 4 1 1 1 MM 1 3 1 1 MM 1 2 4 1 1 1 MM 1 3 1 1 MM 1 4 1 1 1 MM 1 4 1 1 MM 1 5 1 1 MM 1 6 1 MM 1 6 1 MM 1 7 4 1 MM 1 8 MM 1	3.2 3.13-ABLS-8-B2 315-ABLS-8-B2 315-ABLS-8-	RES	R38 Y1 U26 U4 R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	120 Surrace wount quartz Cyrstal MMz Surrace wount quartz Cyrstal MMz Surrace, Low Quiescent Current, Fast Transient LDO Tymer, Ses pur Quart Quarty Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel Resistor Capacitor Resistor Capacitor Surrace, Tape and Reel Resistor Capacitor Capacitor Surrace, Tape and Reel Resistor Capacitor Capacitor Capacitor Surrace, S	RESC1608X06L HC49/4H_SMX SOT95P285X100-5N TSSOP-ST14_N RESC1608X06L RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 488F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto
1 AFF	MCP6L04T-E/ST MCP6L04T-E/ST 1.7K 100nF 3C817-40 18pF 1.7K 1.7UF 3T5050RGBC-T180 TR9909 WP7104SRC/D MC74HC595ADTR2 I.K IK IK IK IK IK IK IK IK I	_SMX AP7331 AP7331 MCP6L04 1-E/ST 4-7K[[A][0][0][0] 600[(A]] 1 TUDPI[V1] BC817-40 TUPPI[V1] 3 3 RES 4-7VPI[V1] 1 LED NGS 1 LED NGS 1 LED NGS 1 LED NGS MCP6L04 MC74HC5 96ADTR2 RES 96ADTR2 RES RES RES RES TUDMINITOTI TUDMINITOT	U26 U4 R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 O1, O2, O3, O4, O7, O12, O19, O20, O21, O22, O23, O24, O25, O26, O27, O28, O29, O30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Cystal 8Mhz SUMP, LOW CURRISON CURREN, Fast Transient LDO TWIPZ, 85 µA CURREN TWIPZ, 85 µA CURREN RESISTOR Resistor Capacitor NPM Centeral-purpose Transistor Capacitor SO 027/2000k Everlight Opto Interrupter Red led 2V € 20ma 57mcd Capacitor SPR SERRENPURPUTSERRED Capacitor SO 027/2000k Everlight Opto Interrupter Red led 2V € 20ma 57mcd Capacitor SPR SERRENPURPUTSERRED CAPACITOR CA	SOT95P285X100-5N TSSOP-ST14_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9999_LONG Led_TH_3mm_20mm RESC1608X06L 48F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
1 MM M 12 4:14 15 10 10 18 8	MCP6L04T-E/ST 1.7K 100nF 3C817-40 18pF 2.7K 1.7uF 3T5050RGBC-T180 TR9909 WP7104SRC/D 10uF MC74HC595ADTR2 1.5K IK E22K DMG1012T DMG1012T DMG1013T	MCP6L04 T-E/ST 4.7K[[/] [0] 603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 80603[[/]] 1 1 80603[[/]] 1 1 80603[[/]] 1 1 1 8074165 8683 868 868 868 868 868 868 70061012 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013 70061013	U4 R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Current, Fast Transient LDO TMPL2, 35 JPA QUARD Q TMPL2, 35 JPA QUARD Q TMPL2, 35 JPA QUARD Q Amp, 14-Pin TSSQP, Extended Temperature Range, Tape and Reel Resistor Capacitor NPPT General-purpose Transistor Capacitor S0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor G-BR Sensimmput/Sensor profile Temperature Capacitor 120 120 120 120 120 120 121 127 128 JPA SUBJECT TAN, Prining: 1-4G, 2-4S, 3-D Transistor/MUSPETT TAN, Prining: 1-4G, 2-4S, 3-D	TSSOP-ST14_N RESC1608X06L RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
12 4.1 15 10 11 18 BC 2 18 BC 2 2 4.1 15 10 10 10 10 10 10 10 10 10 10 10 10 10	1.7K 100nF 1	T-E/ST 4.7K[[A][A][A][A][A][A][A][A][A][A][A][A][A]	R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Amp. 14-Pin TSSOP, Extended Temperature Range, Tape and Reel Resistor Capacitor Resistor Capacitor So. 227/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor Start Stimuth Opto Interrupter Red led 2V@20ma 57mcd Capacitor Start Stimuth Opto Interrupter Start St	RESC1608X06L RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 48F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
12 4.2 15 10 10 18 BC 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.7K 100nF 1	T-E/ST 4.7K[[A][A][A][A][A][A][A][A][A][A][A][A][A]	R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114 C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Range, Tape and Reel Resistor Capacitor Resistor Capacitor So. 027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor Start Stimathripput/ Sentar for Prallet Output Shift Register with Latched 3- State Outputs 120 120 120 120 120 120 127 128 129 129 129 120 120 120 120 120	RESC1608X06L RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 48F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
15 10 10 18 BC 2 2 18 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2	1.7K 100nF 1	603[[/]] 100H[[/]] 0003[[/]] 100H[[/]] 0003[[/]] 10H[[/]]	CS, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71 Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Capacitor Transistor Resistor Capacitor \$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor SHS SERSHIPPUT/SERST OF Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 120 17anssstorMUSPETTYN, 3-B Prining: 1-4G, 2-4S, 3-B	RESC1608X06L SOT23_N RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 48F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
2 18 BC 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18pF 1.7rK 1.7rF 13T5050RGBC-T180 TR9909 WP7104SRC/D 10uF MC74HC595ADTR2 1.5K IK 122K DMG1012T DMG1013T		O1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30 C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Resistor Capacitor So. 027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor S-BR Seffariniput/Seffarior S-BR Seffarior S	SOT23_N RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
2 18 18 2 2 2 2 3 2 4 3 3 4 4 1 2 1 3 4 1 2 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	18pF 1.7rK 1.7uF 1.7uF 1.7uF 175050RGBC-T180 1789999 1797104SRC/D 170uF	TOPFILM TOPFIL	C41, C42 R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Transistor Resistor Capacitor \$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor 6-Bit Sensinimput/Sensior Fraile/Output Shift Register with Latched 3- State Outputs 120 120 120 120 120 127 128-2-S, 3-D	RESC1608X06L RESC1608X06L RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto
2 2.2 2 4.2 2 BT 2 IT 1 2 W 3 100 3 MM 4 1.1 4 14 4 12 4 DT 6 10 6 56 6 57 4.1 8 10 8 2.2 8 33	189F 2.7K 1.7uF 3T5050RGBC-T180 TR9909 NP7104SRC/D 10uF MC74HC595ADTR2 1.5K IK 122K DMG1012T DMG1013T	0603[[/]] 3 RES 4.70F[[/]] 9 RES 4.70F[[/]] 1 LED RGB SMD 2 1TR9909 LED 4.70F[[/]] 1, 100F[[/]] 1 MC74HC5 95ADTR2 RES RES RES RES DMG1012 T T TUUR[[/]] TUUR[[/]]	R4, R6 C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Capacitor \$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor S198 S18881-Input/Sentar for Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 120 17ansstor MUSPETTXN, Pring: 1-4G, 2-4S, 3-B	RESC1608X06L RESC1608X06L LEDSMD5 TR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Botto
2 4.2 B11 2 W W 3 100 3 M M 1.1 4 1.1 4 P P P P P P P P P P P P P P P P P P	1.7uF 3T5050RGBC-T180 TR9909 WP7104SRC/D 10uF 10uF 10uF 10uF 10uF 10uF 10uF 10uF	#.70F[[/\]] 0603[[/\]] 1ED RGB SMD 2 ITR9909 LED 4.70F[[/\]] 0603[[/\]] 1 0603[[/\]] 1 MC74HC5 954DT62 RES RES RES RES T DMG1013 I TUUK[[/\]] I TUUK[[/\]]	C40, C43 D2, D6 U2, U3 D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Capacitor \$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor S198 S18881-Input/Sentar for Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 120 17ansstor MUSPETTXN, Pring: 1-4G, 2-4S, 3-B	RESC1608X06L LEDSMD5 ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto
2 B13 2 IT	1.7uF 3T5050RGBC-T180 TR9909 NP7104SRC/D 10uF 10uF MC74HC595ADTR2 1.5K IK 122K 0MG1012T 0MG1013T	0603[[/]] 1 LED RGB SMD 2 ITR9909 LED	D2, D6 U2, U3 D19, D20 C61, C62, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	\$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor 8-88 Senanniput/Senaror Prallef-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 127 128 Senanniput/Senaror 129 Senanniput/Senaror 120 120 120 120 120 120 120 120 120 120	LEDSMD5 ITR9999_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botte Botte Botte Botte Botte Botte
2 B13 2 IT	3T5050RGBC-T180 TR9909 WP7104SRC/D 10UF MC74HC595ADTR2 1.5K IK 122K DMG1012T DMG1013T	SMD 2 ITR9909 LED 4.70F[[/\]] 1.00F[[/\]] 1.00F[[/\]] 1.00F[[/\]] 1.00F[[\]] 1.00F[[\]] 1.00F[[\]] 1.00F[[\]] 1.00F[[\]] 1.00F[[\]] 1.00F[\] 1.00F[D2, D6 U2, U3 D19, D20 C61, C62, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	\$0.027/2000k Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor 8-88 Senanniput/Senaror Prallef-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 127 128 Senanniput/Senaror 129 Senanniput/Senaror 120 120 120 120 120 120 120 120 120 120	LEDSMD5 ITR9999_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto Botto Botto Botto Botto Botto
2 ITT 2 W 3 1000 1000 1000 1000 1000 1000 1000 10	TR9909 WP7104SRC/D 10uF MC74HC595ADTR2 1.5K IK IK IK MMG1012T DMG1013T	LED 4.7UF[[/\]] 0603[[\\]] 1, 100F[[\\]] 0603[[\\]] 1 MC74HC5 95ADTR2 RES RES RES DMGT012 T DMGT013 T T0UK[[\\]]	U2, U3 D19, D20 CS1, CS2, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Everlight Opto Interrupter Red led 2V@20ma 57mcd Capacitor 8-tst Senanripout/Senar or Prallef-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 127 128 129 129 120 120 120 120 120 120 120 120 120 120	ITR9909_LONG Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto Botto Botto Botto
2 WW 3 100 3 MM 4 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WP7104SRC/D 10uF MC74HC595ADTR2 1.5K K E22K DMG1012T DMG1013T	### ACT A HONOR TO THE PROPERTY OF THE PROPERT	D19, D20 C51, C52, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Red led 2V@20ma 57mcd Capacitor S-BI Seffai-Input/Seffai of Platfel Output Shift Register with Latched 3- State Outputs 120 120 120 121 127 128 128 129 129 120 120 120 120 120 120 120 120 120 120	Led_TH_3mm_20mm RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto Botto Botto
3 MM 4 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10uF MC74HC595ADTR2 1.5K IK E2EK DMG1012T DMG1013T	4.70F[[/1]] 0603[[/]] 1.10UF[[/]] 0603[[/]] 1 MC74HC5 95ADTR2 RES RES RES DMG1012 T DMG1013 T 10UK[[/]]	CS1, CS2, C72 U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Capacitor Statt Senannput/Senar or Pratlef-Output Shift Register with Latched 3- State Outputs 120 120 120 17ansstor MUSFETTXN, Pring: 1-4G, 2-4S, 3-D	RESC1608X06L 948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto Botto
3 MM 4 1.4 14 4 22 4 DF 4 DF 6 10 6 56 7 4.3 8 10 8 2.3	MC74HC595ADTR2 .1.5K IK IC2EK DMG1012T DMG1013T	0603[[/]] 1, 10uF[[/]] 0603[[/]] 1 MC74HC5 95ADTR2 RES RES RES DMG1012 T TUUK[[/]]	U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	8-Bit Senar-Input/Senar or Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 120 120 120 120 121 120	948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto
3 M4 1.3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MC74HC595ADTR2 J.5K IK E22K DMG1012T DMG1013T	MC74HC5 95ADTR2 RES RES RES DMG1012 T	U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	8-Bit Senar-Input/Senar or Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 120 120 120 120 121 120	948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto
3 MM 4 1.4 14 4 22 4 DF 4 DF 6 10 6 56 7 4.3 8 10 8 2.3	MC74HC595ADTR2 1.5K IIK IZ2K DMG1012T DMG1013T	95ADTR2 RES RES DMG1012 T DMG1013 T	U13, U15, U17 R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	8-Bit Senar-Input/Senar or Prallel-Output Shift Register with Latched 3- State Outputs 120 120 120 120 121 120 120 120 120 121 120	948F-01_N RESC1608X06L RESC1608X06L RESC1608X06L	Botto Botto
4 1.3 4 1k 4 22 4 Dr 6 10 6 56 7 4.3 8 10 8 2.3	MC74HC595ADTR2 1.5K IK 222K DMG1012T DMG1013T	95ADTR2 RES RES DMG1012 T DMG1013 T	R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	Register with Latched 3- State Outputs 120 120 120 120 120 121 120 120 121 121	RESC1608X06L RESC1608X06L RESC1608X06L	Botto
4 1.3 4 1k 4 22 4 Dr 6 10 6 56 7 4.3 8 10 8 2.3	22K DMG1012T DMG1013T	RES RES DIMIGIOTE T DIMIGIOTE T TOURGIOTE	R17, R18, R19, R20 R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	120 120 120 17ansistor MUSFET 1 x N, Pining : 1=G, 2=S, 3=D	RESC1608X06L RESC1608X06L RESC1608X06L	Botto
4 1k 4 22 4 Dr 4 Dr 6 10 6 56 7 4.3 8 10 8 2.3 8 33	DMG1012T DMG1013T	RES RES DIMIGITOTE T DIMIGITOTS T TOUCK[[//]]	R21, R22, R23, R24 R7, R8, R9, R10 T5, T6, T7, T8	120 120 Transistor MUSFET 1 x N, Pining : 1=G, 2=S, 3=D	RESC1608X06L RESC1608X06L	Botte
4 Df 4 Df 6 10 6 56 7 4.3 8 10 8 2.3 8 33	DMG1012T DMG1013T	DMG1012 T DMG1013 T T00K[[/\]]	T5, T6, T7, T8	Pining: 1=G, 2=S, 3=D		+-
4 DP 6 10 6 56 7 4.3 8 10 8 2.3 8 33	DMG1013T	T DMG1013 T 100K[[/\]]		Pining: 1=G, 2=S, 3=D	SOT50P160X80-3N	Botto
4 DP 6 10 6 56 7 4.5 8 10 8 2.5 8 33	DMG1013T	T 100K[[/\]]				Botto
6 10 6 56 7 4.1 8 10 8 2.2 8 33	100K			Pining: 1=G, 2=S, 3=D	SOT50P160X80-3N	Botte
6 56 7 4.3 8 10 8 2.3 8 33		1				
7 4.3 8 10 8 2.3 8 33	36	68K[[/\]]0	R119, R120, R121, R122, R123, R124	Resistor	RESC1608X06L	Bott
8 10 8 2.: 8 33			R74, R75, R76, R77, R90, R91	Resistor	RESC1608X06L	Botte
8 2.3		CAP-NP TUK[[/\]]U 603[[/\]]2,	C15, C16, C17, C18, C19, C20, C21	Capacitor	CAPC1608N	Botto
8 33	10K	RES 2.2K[[/\]]U	R27, R28, R29, R30, R31, R50, R51, R136	120, Resistor	RESC1608X06L	Botto
	2.2K	603[[/\]]1, RES	R12, R13, R14, R15, R16, R33, R44, R45	120, Resistor	RESC1608X06L	Botto
8 39	33	RES 68KJJ/\JJU	R3, R5, R68, R69, R70, R71, R72, R73	120, Resistor	RESC1608X06L	Botto
			R82, R83, R84, R85, R95, R96, R97, R133	Resistor	RESC1608X06L	Botto
9 A3	27-21SURC/ S530- 13	LED TUNF[[/\]]	D9, D10, D11, D12, D17, D18, D25, D26, D35	SMD Red led right angle mount 2V@20ma 57mcd	27-21 Everlight	Botte
1 1.5	I.5nF	0603[[/\]] 1	C57	Capacitor	RESC1608X06L	Тор
1 10	100	RES_ACCO RT TOUF[[/\]]	R106	Resistance	RESC1608X06N	Тор
1 10	10uF X5R	0603[[/\]] 1 270K[[/\]]	C34	Capacitor	RESC1608X06L	Тор
1 27	270K	0603[[/\]] 2	R140	Resistor	RESC1608X06L	Тор
1 47	17K		R132	Resistor	RESC1608X06L	Тор
1 51		10nF[[/\]] 0603[[/\]] 1	C64	Capacitor	RESC1608X06L	Тор
		10K[[/\]]0 603[[/\]]1	R127	Resistor	RESC1608X06L	Тор
1 68	580K	470K[[/\]] 0603[[/\]] 1	R125	Resistor	RESC1608X06L	Тор
1 82	320	22K[[/\]]0 603[[/\]]1	R131	Resistor	RESC1608X06L	Тор
Al	AISTRON R3190005-	USB_MINI				
	021-R Battery	AB Battery	X3 BT1	USB connector Micro B Multicell Battery	Astron 3190005-x21-r BAT-2	Top
		Con1x6	x2	1 x 6 pins connector	MHDR1X6	Тор
1 FA	-AN3988	FAN3988	U23	USB/ Charger and Over Voltage Detection Device	MLP 1.45x1mm	Тор
1 IR	RM-3636T	TSOP322 36	U20	IR Receiver Module (36 kHz) for Remote Control Systems	IR-receiver	Тор
				350mw Audio Power Amplifier with Shutdown		
1 LN	M4819M	LM4819M	UZS	Mode 1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP,	M08A_N	Тор
1 M		MCP6L04 T-E/ST	US	Extended Temperature Range, Tape and Reel	TSSOP-ST14_N	Тор
T				Stand-Alone System Load Sharing and Li-Ion/Li- Polymer Battery Charge		
1 84		MCP7387 1- 2AAI/ML	U21	Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N	Тор
- 1000		10 1411		rompolatulo	+	1.50

1	MCP73871-2AAI/ML	MCP7387 1- 2AAI/ ML	U21	Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N	Тор
		SD-Card-				
1	MicroSD-Astron 5190008-XA4-R	Micro- ASLTRON 5190008- XA4-R	S1	MicroSD Card connector 5190008-XA4-R	Astron 5190008-XA4-R	Тор
1	MMA7660FC	MMA7660 FC	U1	MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 9	DFN50P300X300X100- 12N	Тор
1	NCP15XH103F03R C	Res Thermal	RT1	OHM 1%0402	RESC1005X04L	Тор
	PIC24FJ128GB106-	PIC24FJ1 28GB106-		General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial		,
1	I/PT	I/PT	U19	Temperature	TQFP-PT64_N	Тор
1	Speaker SW-PB	Speaker SW-PB	LS1 S2	Loudspeaker Switch	PIN2 FSMRA2JH	Тор
<u>'</u>	SW-FB	OW-FB	32	Omnidirectional Back	FOWRAZJFI	ТОР
1	TD4015BPN	Micro1	MC1	Electret Condenser Microphone	MICRO_TD4015BPN	Тор
10	4.7K	180K[[/\]]	R67, R92, R93, R94, R103, R104, R142, R144, R145, R146	Resistor	RESC1608X06L	Тор
2	180	0603[[/\]] 1 100nF[[/\]	R107, R137	Resistor	RESC1608X06L	Тор
2	1nF]0603[[/\]] 1 1uF[[/\]]0 603[[/\]]1,	C53, C54	Capacitor	RESC1608X06L	Тор
2		4.7uF[[/\]] 0603[[/\]] 1	C56, C61	Capacitor	RESC1608X06L	Тор
	5.6K	2.2K[[/\]]0 603[[/\]]1	R115, R116	Resistor	RESC1608X06L	Тор
	BAT54S	BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N	Тор
		LED RGB				
2	BT5050RGBC-T180	SMD 2	D27, D38	\$0.027/2000k 8-Bit Senai-Input/Senai or	LEDSMD5	Тор
		MC74HC5		Prallel-Output Shift Register with Latched 3-		
	MC74HC595ADTR2 Motor	95ADTR2 Motor	U14, U16 B1, B2	State Outputs Motor, General Kind	948F-01_N RB5-10.5	Тор
	MOTOL	100nF[[/\]	D1, D2	Motor, General Kind	RB5-10.5	Тор
21	100nF]0603[[/\]] 1	C1, C3, C6, C10, C11, C12, C13, C23, C24, C27, C29, C33, C35, C36, C37, C38, C39, C62, C65, C66, C67	Capacitor	RESC1608X06L	Тор
28	BC817-40	BC817-40	Q5, Q6, Q8, Q9, Q10, Q11, Q13, Q14, Q15, Q16, Q17, Q18, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46	NPN General-purpose Transistor	SOT23_N	Тор
	1.5K	RES	R26, R46, R47	120	RESC1608X06L	Тор
_	27-21/BHC-			SMD Blue led right angle		
	AN1P2/3C 27-21SURC/S530-	LED	D8, D31, D37	mount 3.3V@20ma 28mcd SMD Red led right angle		Тор
3	A3	LED TUNF[[/\]]	D7, D32, D36	mount 2V@20ma 57mcd	27-21 Everlight	Тор
	47nF	0603[[/\]] 1, 470nF[[/\]]]0603[[/\]]	C58, C59, C60	Consider	RESC1608X06L	T
	AP7331-33WG-7	AP7331	U18, U22, U24	Capacitor 300mA, Low Quiescent Current, Fast Transient LDO	SOT95P285X100-5N	Тор
3	AP7331-33WG-7	AP7331	U 10, U22, U24	LED standard - CMS	SU195P285X100-5N	Тор
3	APTD1608CGCK	LED	D28, D29, D30	Helios SMD Green 570nm 230mcd	DIOC1608X08N	Тор
		10K[[/\]]0 603[[/\]]1, 100K[[/\]] 0603[[/\]]				
4	100K	1 4.7UF[[/\]]	R138, R139, R141, R143	Resistor	RESC1608X06L	Тор
		0603[[/\]] 1, 10uF[[/\]]				
4	10uF	0603[[/\]] 1	C2, C4, C32, C46	Capacitor	RESC1608X06L	Тор
	19-21SURC/S530- A3/TR8	LED	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIOC1608X08N	Тор
	1K	1K[[/\]]06 03[[/\]]1, RES	R25, R48, R49, R108	120, Resistor	RESC1608X06L	Тор
4	22K	22K[[/\]]0 603[[/\]]1, RES	R11, R42, R43, R130	120, Resistor	RESC1608X06L	Тор
-	39	68K[[/\]]U	R66, R86, R87, R88, R89, R134	Resistor	RESC1608X06L	Тор
	6.2	RES	R36, R37, R39, R40, R54, R55	120	RESC1608X06L	Тор
7	2.2K		R32, R34, R35, R41, R52, R53, R126	Resistor	RESC1608X06L	Тор
	47.5	4.7UF[[/\]] 0603[[/\]]	CM CM CM CM CM CM	C	DECOMPONIE:	T
	4.7uF ITR9909	1 ITR9909	C31, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12	Capacitor Everlight Opto Interrupter	RESC1608X06L ITR9909_EDGE	Тор
		8.2K[[/\]]0 603[[/\]]2, 10K[[/\]]0 603[[/\]]1,				137
8	10K		R101, R102, R109, R110, R117, R118, R128, R129	Resistor	RESC1608X06L	Тор
		68K[[/\]]0 603[[/\]]1,				
8	33	RES 68K[[/\]]U	R98, R99, R100, R135, R147, R148, R149, R150	120, Resistor	RESC1608X06L	Тор
	56 APTD1608SYCK	603[[/\]]1	R56, R58, R60, R62, R78, R79, R80, R81	Resistor	RESC1608X06L	Тор
		LED	D13, D14, D15, D16, D21, D22, D23, D24	LED standard - CMS Helios	DIOC1608X08N	Top
8	AFTD 10003 TCK					



