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Quantity 1	Comment 100	LBRef RES_A CORT TUF[[/\]]	Designator R105	Description Resistance	Footprint RESC1608X06N	ler	Supplier Nr	Layer
1	1uF	111 0803[[/\	C63	Capacitor	RESC1608X06L	Distre le c	823495	Bottom
	2.2K	2.28(j/1) 10603[j/ 1]]1 4.7uF[j/ 1]]0603[j	R33	Resistor	RESC1608X06L	Distre le c	715596	Bottom
1	4.7uF 6.2	/\[]]1 RES HC49/4	C43 R38	Capacitor 120 Surface Mount	RESC1608X06L RESC1608X06L	rame I	9227784	Bottom Bottom
1	815-ABLS-8-B2 Con1x6	H_SMX Con1x6 _1	X1 X1	Quartz Crystal 8Mhz	HC49/4H_5MX TYCO_7-215079-6			Bottom Bottom
		MCPSLO		1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Estended				
1	MCP6L04T - E/ST	4T - E/ST 4.7K[[/\]	04	Temperature Range, Tape and Reel	TSSOP-ST14_N			Bottom
12	4.7K	0503[[/] 1 58K /	R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114	Resistor	RESC1606X06L	Distre le c	715604	Bottom
14	68	0603[[/\][1 100nF[[/	R74, R75, R76, R37, R82, R83, R84, R85, R90, R91, R95, R96, R97, R133	Resistor	RESC1606X06L	Distre le c	715632	Bottom
15	100mF BC817-40	rijosobiji riji1 BC817-	C5, C7, C8, C9, C14, C22, C25, C26, C26, C35, C55, C56, C56, C57, C71 O1, G2, G3, C4, G7, O12, O19, G25, G21, G22, G23, G24, G25, G26, G27, G28, G29, G30	Capacitor NPN General- purpose Transistor	RESCISOSXOSL SOT23 N		1288255	Bottom Bottom
2	10uF	TOUFUL OSO3 / I	051, 052	Capacitor	RESC1608X06L	Fame	1463375	Bottom
2	18pF	/ []3 0803[]/ 1091][//	C41, C42		RESC1608X06L	Fame	8819815	Bottom
2	BT5050RGBC- T180	RGB SMD 2	D2, D6	\$0.027/2000k	LEDSMDS			Bottom
2	ITR9909 SSL-LX3044HD	ITR9909 LED	U2, U3 D 19, D20	Everlight Opto Interrupter Red led 2V@ 20ms 57mcd	ITR9909_LONG Led_TH_3mm_20 mm			Bottom
24	1k	RES	NA, NB, NT2, NT3, NT4, NT5, NT6, NT7, NT6, NT9, N29, N21, N22, N23, N24, N27, N28, N29, N35, N31, N44, N45, N59, NS1	120, Resistor SMD Green led right	RESC1608X06L			Bottom
3	LTST- S220KGKT	LED	D.28, D.29, D.30	angle mount 2V @ 20ma 35mcd 6-Bit Serial-	LITEON-sideview			Bottom
	MC74HC595AD	MC74H C595AD		Input/Serial or Prailel-Output Shift Register with Latched 3-State				
3	TR2 10k	TR2 RES	U13, U15, U17 R7, R8, R9, R10	Outputs 120 Translator MOSFET	948F-01_N RESC1608X06L			Bottom
4	DMG1012T	DMG10 12T	T.S., T.S., T.T., T.S.	1 x N, Pining : 1=G, 2=S, 3=D Translator MOSPET	S O T SOP 160X80- 3N			Bottom
4	DMG1013T	DMG10 13T 100K(j)/\ 0603[]/	T 1, T2, T3, T4	Translator MOSPET 1 x P Pining : 1=G, 2=S, 3=D	SOTSOP160X80- 3N	Distre		Bottom
6 7	100K 4.7nF	CAP-NP	R119, R120, R121, R122, R123, R124 C15, C16, C17, C18, C19, C20, C21	Resistor	RESCISOSXOSL CAPCISOSN	le c	715636	Bottom
8	33 27- 21SURC/S530-	RES	R3, R6, R68, R69, R70, R71, R72, R73	120, Resistor SMD Red led right angle mount	RESC1608X06L			Bottom
9	A3	LED 470±F[[/ 1][0503[]	09, 010, 011, 012, 017, 016, 025, 026, 036	2V@ 20ma 57mcd	27-21 Everlight	Distre		Bottom
- 1	220nF 22nF	/\]]1 10nF([/\]]0503[[/	C58	Capacitor	RESCISORXOSL RESCISORXOSL	lec Fame	823494 9406182	Top
-	27-21/BH C- AN 1P2/3C	LED	C59	Capacitor SMD Blue led right angle mount 3.3V (§ 20ma 25mcd	RESCISSEXOSL 27-21 Everlight Slue		9406182	Тор
	AN 1P2/3C 270K	270KU/\ 0803U/ \ 2	D37	3.3V@ 20ma 28mcd Resistor	RESC1608X06L	Fame	9330941	Тор
	470K	470K(j) \ 0003[]/ 11	R125	Resistor	RESC1608X06L	Distre	715652	Тор
1	51pF	10nFU/\ oso3U/ \ 1	C84	Capacitor	RESC1608X06L	Fame	9406182	Тор
	EBOpF	IONFIDA Ilosobila VIII IODNFIDA	C37	Capacitor	RESC1608X06L	Fame E	9406182	Тор
	7nF Alatron	villa vilosoali	C62	Capacitor	RESC1608X06L	Fame E	1288255	Тор
1	R3190005-021- R Battery	USB_MI NIAB Battery	X3.071	USB connector Micro B Multice II Battery	Astron 3190005- x21-r BAT-2			Top Top
	BT 5050RGBC- T180	RGB SMD 2	D27	\$0.027/2000k	LEDSMDS			Тор
-	Contx5	Contx5 FAN395	X2	1 x 6 pins connector USB/Charger and Over Voltage	MHDR1XE			Тор
	FAN3988 IRM-3636T	TSOP3 2236	U23	Detection Device IR Receiver Module (35 kHz) for Remote Control Systems	MLP 1.45x1mm			Тор
	LM4819M or NCP2980	LM4819	U25	350mW Audio Power Amplifier with Shutdown Mode	MOSA_N			Тор
				1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended				
1	MCP6L04T- E/ST	MCPSLO 4T - E/ST	us	Temperature Range, Tape and Reel	TSSOP-ST14_N			Тор
				Stand-Alone System Load Sharing and Li- Ion/Li-Polymer				
		MCP738 71- 2AAUM		ion/Li-Polymer Battery Charge Management Controller, 4.2V, 20- Pin QFN, Industrial				
1	MCP73871- 2AAI/ML	L	U21	Pin QFN, Industrial Temperature	QFN-ML20_N			Тор
		SD - Card- Micro- ASLTR						
1	MicroSD-Astron 5190008-XA4-R	ASLTR ON 5190008 XA4-R	51	MicroSD Card connector 5190008- XA4-R	Axtron 5190005- XA4-R			Тор
	MMA7850FC	MMA76		MMA7660FC: XYZ- AXIS ACCELEROMETER	DFN 50P300X300X			
	MMA7650FC NCP15XH103F0 3RC	SOFC Res Thermal	OT RTS	a 1.5 g Thermistors - NTC 10K OHM 1% 0402	100-12N RESC1005X04L			Тор
				General Purpose 16- Bit Flash Microcontroller with				
		PIC24FJ		USB On-The-Go, 64KB Flash, 16KB SRAM, 64-Pin TQFP,				
1	PIC24FJ54GB10 6-I/PT	64GB10 6-I/PT Speake	u19	Industrial Temperature	TQFP-PT64_N			Тор
	Speaker		LS1	Loudspeaker Omnidirectional Back Electret Condenser	PIN2			Тор
1	TD4015BPN	Micro1	MC1	Condenser Microphone	MICRO_PANASO NIC_WM-64PN			Тор
		0603[[/\]]1. 10K[[/\]]				Distre		
- 11	10k	ososii/\ iiz, res sakii/\ii ososii/\	R11, R42, R43, R101, R102, R109, R110, R127, R128, R129, R136	120, Resistor	RESC1608X06L	Fame II Distre	715612, 9330399	Тор
16	68	1 1	R56, R50, R62, R65, R67, R76, R79, R80, R81, R86, R87, R88, R89, R134, R135	Resistor	RESC1608X06L	le c Distre	715632	Тор
2	toF	[]1 2.29([]/\] [0603[]/	C00, C51	Capacitor	RESC1606X06L	le c	823495	Тор
2	2.7K 22K	(]]1 22K[[/(]] 0603[[/(R155,R116	Resistor	RESCISORXOSL RESCISORXOSL	le c Distre	715596	Тор
2	8.2K	1 6.290 /\ 1 0603 / \ 12	R130, R132	Resistor	RESC1608X06L	Fame	9331565	Тор
2	BATS4S	BATS4S	033, 034	Schottky Barrier Double Diode SMD Green led right	SOT23_N			Тор
2	LTST- S220KGKT	LED	D8, D31	angle mount 2V@ 20ma 35mcd 6-Bit Serial-	LITEON-sideview			Тор
	MC74HC595AD	MC74H C595AD		Input/Serial or Prailel-Output Shift Register with Latched 3-State				
2	TR2	TR2 Motor	U14, U16 81, 82	Outputs Motor, General Kind MPN General	948F-01_N RB5-10.5			Top Top
_	Motor	BC817-	Q5, Q6, Q8, Q9, Q10, Q11, Q13, Q14, Q15, Q16, Q17, Q18, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38	purpose Translator	SOT23_N	Fame		Тор
20	BC817-40	40 100nF [[/				P	1288255	Тор
20		40 100nF[[/ 1][0603[[/1]]1 10K[[/1]]	C1, C3, C6, C16, C11, C12, C13, C22, C24, C27, C28, C33, C35, C35, C37, C38, C39, C40, C33, C34, C65, C66, C67	Capacitor	RESC1608X06L			
23	BC817-40	40 100aF[[/ 1][0603[[/1]]1 10K[[/1]]		Capacitor Resistor	RESC1608X06L	Distre le c	715612, 715636	Too
23	BC817-40	40 100×F(F 1) [10003[[7:]]1 10×[[7:]] 0003[[7:] 11 100×([7:] 1]0003[[7:]	C1, C3, C6, C19, C11, C12, C13, C34, C34, C37, C39, C33, C36, C37, C38, C39, C46, C33, C44, C65, C66, C67	Resistor Resistor		Distre le c Distre le c	715612,715636 715570	Тор
20 23 3	BC817-40 100nF	40 105aF[[/ 1]0603[[/ 1]08[[/ 1]08[]/ 108[[/ 1]1 1008[[/ 1]0603[[/ 1]1 1508[]/ 1]10603[[/ 1]1060][/ 1]10603[[/ 1]10603[[/ 1]1060][/ 1]10603[[/ 1]10603[[/ 1]1060][/ 1]10603[[/ 1]1060][/ 1]10603[[/ 1]1060][/ 1]10603[[/ 1]1060][/ 1]1060[/	Ct. Ct. Cts. Cts. Cts. Cts. Cts. Cts. Ct		RESC1608X06L RESC1608X06L 27-21 Everlight	le c		Тор
23 3 3 3	BC817-40 100nF 100K 180R 27-	40 100-F[[/ 1]000-S[[/ 1]1000-S[[/ 1]11 1000-S[[/ 1]11 1000-S[[/ 1]11 1000-S[[/ 1]11 1000-S[[/ 1]11 1000-S[[/ 1]1 1000-S[/	CS, C3, C46, C19, C11, C12, C13, C23, C24, C27, C39, C33, C34, C37, C36, C37, C36, C36, C36, C34, C36, C36, C37, C36, C37, C36, C36, C36, C36, C37, C36, C37, C36, C37, C36, C37, C36, C37, C37, C37, C37, C37, C37, C37, C37	Resistor Resistor SMD Red led right angle mount 2 V & 20 ms 57 mcd 120 Outstand, Low Outstand Courset.	RESC1608X06L	le c		Top Top
20 23 3 3 3	100sF 100sF 100sC 180sR 27- 21SURC/5530- A3 33 AP7331-33W G- 7	40 100 10 10 10 10 10 10 10 10 10 10 10 1	Ct.	Resistor Resistor Resistor SMD Red lied right angle mount 20'@ 20ms 57mcd 100 300mA, Low Ociescent Current, Fast Transient LDO	RESCISORXOGL RESCISORXOGL 27-21 Evenlight RESCISORXOGL SOTSSP285X100-5N	le c	715570	Top Top Top
20 23 3 3 3 4	0C617-40 100nF 100K 100K 180R 27- 215URC/5530- 33 33 34 AP7331-33WG-7 10uF	40 100 F[[/ 1] 100 F[[/ 1]] 100	CL CL CB,	Resistor Resistor SMD-Red led right angle rount 120 120 120 120 120 120 120 12	RESC1608X06L RESC1608X06L 27-21 Everlight RESC1608X06L	le c		Top Top Top Top
20 23 3 3 3 3 4 4	100sF 100sF 100sC 180sR 27- 21SURC/5530- A3 33 AP7331-33W G- 7	40 100 10 10 10 10 10 10 10 10 10 10 10 1	et, Co. Col. Col. Col. Col. Col. Col. Col.	Resistor Resistor SMD Red led right angle angle angle angle oute 20/48 20ms 5/mcd 20 205mA, Low Quiescent Current, Fast Transfeet LDO Capacitor	MESCISOBXOSL RESCISOBXOSL 27-21 Everlight RESCISOBXOSL OT SGP 285X100- OT S	le c	715570	Top Top Top
20 23 3 3 3 3 4 4 6 6	BC817-40 100nF 100nF 100mF 1100K 110	40 1006#[I/ 1006#[I/ 1006#[I/ 1006#[I/ 1006#[I/ 100] 1004 I/ 100 I/ 100	et, Co. Col. Col. Col. Col. Col. Col. Col.	Resistor Resistor SMD Red tea right angle rough 20'8 20ms 57mod 100 100 100 100 100 100 100 1	RESCIEGENGEL RESCIEGENGEL 27-21 Evenight ESCIEGENGEL SOT SEP 285X150- 5M RESCIEGENGEL DICCISCENCEL RESCIEGENGEL	Diatre le c Fame	715570	Top Top Top Top
20 23 3 3 3 3 4 4 6 6	100kF 100kF 100kF 100kF 100k 22- 215URC/5530- 33 33- 33- 33- 33- 37- 10eF 19- 215URC/5530- AJT/R8	40 100=P[V]	et, Co. Col. Col. Col. Col. Col. Col. Col.	Resistor Resistor SMD Ned led right angle mount 2 Mg 20ms 57mod Outer, or	MESCISOBXOSL RESCISOBXOSL 27-21 Everlight RESCISOBXOSL OT SGP 285X100- OT S	Pame Distre	715570	Top Top Top Top Top Top
23 3 3 3 3 4 4 6 6	BCS17-40 100xF 100xF 100xC	40 100=F[V]	Ct.	Resistor Resistor Resistor Part Sea Sea Apple Sea Sea Sea Sea Sea Sea Sea Sea Sea Se	RESC1608306L RESC1608306L 27-21 Exertight RESC1608306L SO TOP 2803 100-100 NRESC1608306L RESC1608306L RESC1608306L RESC1608306L	Pame Distre	715570	Top Top Top Top Top Top Top Top
23 23 3 3 3 3 4 4 4 6 6	BCS17-40 100xF 100xF 100xC	40 40 100e#[I/\1]	Ct.	Resistor Resistor Resistor Part Sea Sea Apple Sea Sea Sea Sea Sea Sea Sea Sea Sea Se	RESC1608306L RESC1608306L 27-21 Exertight RESC1608306L SO TOP 2803 100-100 NRESC1608306L RESC1608306L RESC1608306L RESC1608306L	Pame Distre	715570	Top Top Top Top Top Top Top Top