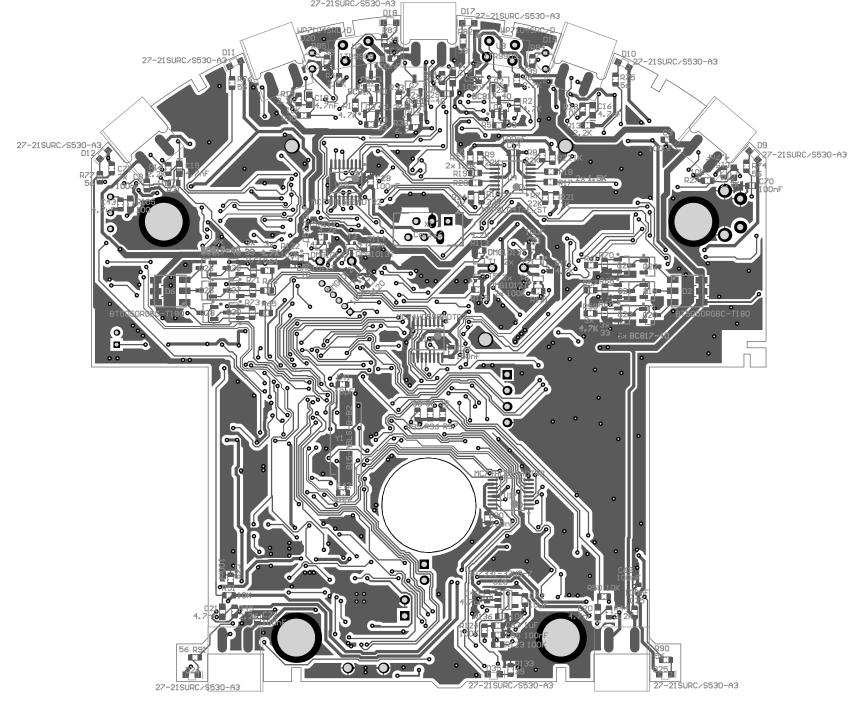


MicroSD-Astron 5190008-XA4-R Alstron R3190005-021-R



Quantity	Comment	LibRef	Designator	Description	Footprint	Layer
1	100	T RES_ACOR	R105	Resistance	RESC1608X06N	Bottom
1	1uF	1uF[[/\]]060 3[[/\]]1	C63	Capacitor	RESC1608X06L	Bottom
1	6.2	RES	R38	120	RESC1608X06L	Bottom
1	815-ABLS-8-B2	HC49/4H_S MX	Y1	Surrace Mount Quartz Crystal 8Mhz	HC49/4H_SMX	Bottom
				300mA, Low Quiescent Current,		
1	AP7331-33WG-7	AP7331	U26	Fast Transient LDO 1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended	SOT95P285X100-5N	Bottom
1	MCP6L04T-E/ST	MCP6L04T- E/ST	U4	Temperature Range, Tape and Reel	TSSOP-ST14_N	Bottom
12	2 4.7K		R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114	Resistor	RESC1608X06L	Bottom
15	100nF	100nF[[/\]]0 603[[/\]]1	C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71	Capacitor NPN General-purpose	RESC1608X06L	Bottom
18	BC817-40	BC817-40 10pF[[/\]j06	Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30	Transistor	SOT23_N	Bottom
2	18pF	03[[/\]]3	C41, C42		RESC1608X06L	Bottom
2	2.7K	RES	R4, R6	Resistor	RESC1608X06L	Bottom
2	4.7uF		C40, C43	Capacitor	RESC1608X06L	Bottom
	BT5050RGBC-T180	LED RGB	D2, D6	\$0.027/2000k	LEDSMD5	Bottom
	ETR9909		U2. U3	\$0.027/2000k Everlight Opto Interrupter	ITR9909_LONG	Bottom
	WP7104SRC/D	LED	D19, D20	Red led 2V@20ma 57mcd	Led_TH_3mm_20mm	Bottom
	/ 104010/0	4.7uF[[/\]]0 603[[/\]]1,	- 10 Dec	1.05 led 24 @20lld 9/llbu		DOMOITI
3	10uF	10uF[[/\]]06	C51, C52, C72	Capacitor	RESC1608X06L	Bottom
3	MC74HC595ADTR2	MC74HC59	U13, U15, U17	8-Bit Senai-Input/Senai or Prailei Output Shift Register with Latched 3-State Outputs	948F-01_N	Bottom
- 4	1.5K	RES	R17, R18, R19, R20	120	RESC1608X06L	Bottom
4	1K	RES	R21, R22, R23, R24	120	RESC1608X06L	Bottom
4	22K	RES	R7, R8, R9, R10	120	RESC1608X06L	Bottom
4	DMG1012T	DMG1012T	T5, T6, T7, T8	Pining: 1=G, 2=S, 3=D	SOT50P160X80-3N	Bottom
4	DMG1013T		T1, T2, T3, T4	Pining: 1=G, 2=S, 3=D	SOT50P160X80-3N	Bottom
e	100K	100K[[/\]]06 03[[/\]]1	R119, R120, R121, R122, R123, R124	Resistor	RESC1608X06L	Bottom
6	5 56	68K[[/\]]U6U 3[[/\]]1	R74, R75, R76, R77, R90, R91	Resistor	RESC1608X06L	Bottom
- 7	4.7nF		C15, C16, C17, C18, C19, C20, C21	Capacitor	CAPC1608N	Bottom
	3 10K	10K[[/\]]060 3[[/\]]2, RES	R27, R28, R29, R30, R31, R50, R51, R136	120, Resistor	RESC1608X06L	Bottom
		2.2K[[/\]]06	county county county county county county	,		
٥	3 2.2K	03[[/\]]1, RES	R12. R13. R14. R15. R16. R33. R44. R45	120. Resistor	RESC1608X06L	Bottom
	33		R3. R5. R68. R69. R70. R71. R72. R73	120, Resistor	RESC1608X06L	Bottom
		68K[[/\]]U6U	R82, R83, R84, R85, R95, R96, R97, R133	Resistor	RESC1608X06L	Bottom
	27-21SURC/S530-A3	LED	D9, D10, D11, D12, D17, D18, D25, D26, D35	SMD Red led right angle mount 2V@20ma 57mcd	27-21 Everlight	Bottom
	1.5nF	10nF[[/\]]06 03[[/\]]1	C57	Capacitor	RESC1608X06L	Тор
	100	RES_ACOR	R106	Resistance	RESC1608X06N	Тор
1	10uF X5R	10uF[[/\]]06 03[[/\]]1	C34	Capacitor	RESC1608X06L	Тор
1	270K	270K[[/\]]06 03[[/\]]2	R140	Resistor	RESC1608X06L	Тор
1	47K		R132	Resistor	RESC1608X06L	Тор
1	51pF	10NF[[/\]]U6 03[[/\]]1	C64	Capacitor	RESC1608X06L	Тор
1	6.8K		R127	Resistor	RESC1608X06L	Тор
1	680K	470K[[/\]]06 03[[/\]]1	R125	Resistor	RESC1608X06L	Тор
1		22K[[/\]]060 3[[/\]]1	R131	Resistor	RESC1608X06L	Тор
	Alstron R3190005-021-R	USB_MINIA B	хз	USB connector Micro B	Astron 3190005-x21-r	Тор

MHDR1X6

MLP 1.45x1mm

Astron 3190005-x21-r

USB connector Micro B

USB connector Micro B

Multicell Battery
1 x 6 pins connector
USB V Larger and User Voltage
Detection Device
11K RECEIVER MICRO STATE
11K RECEIVER

Reel
Stano-Alone System Load
Sharing and Li-lon/ Li-Polymer
Battery Charge Management
Controller, 4.2V, 20-Pin QFN,
Industrial Temperature

Тор

Тор

Тор

Тор

Тор

1 Con1x6

1 FAN3988

1 Alstron R3190005-021-R

1 MCP73871-2AAI/ML

хз

BT1

Con1x6 Х2

FAN3988 U23

LM4819M U25

MCP6L04T-E/ST

TSOP32236 U20

1 MCF	P6L04T-E/ST	E/ST	U5	Reel	TSSOP-ST14_N	Тор
				Stand-Alone System Load Sharing and Li-Ion/ Li-Polymer	_	
				Battery Charge Management		
1 MC		MCP73871- 2AAI/ML	U21	Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N	Тор
T IVICI		SD-Card-	UZI	industrial remperature	GI 14-WEZO_14	ТОР
		Micro- ASLTRON				
	roSD-Astron	5190008-		MicroSD Card connector 5190008-XA4-R	Astron 5190008-XA4-R	T
115191	90008-XA4-R	XA4-R MMA766UF	S1	MMA766UFC: XYZ-AXIS	ASIION 5 190006-XA4-R	Тор
1 MM	1A7660FC	С	uı	ACCELEROMETER ±1.5 g	DFN50P300X300X100-12N	Тор
1 NCF	P15XH103F03RC	Res Thermal	RT1	1%0402	RESC1005X04L	Тор
				General Purpose 16-Bit Flash Microcontroller with USB On-		
				The-Go, 128KB Flash, 16KB		
1 PIC2	24FJ128GB106-I/PT	PIC24FJ128 GB106-I/PT	U19	SRAM, 64-Pin TQFP, Industrial Temperature	TQFP-PT64_N	Тор
1 Spe	eaker	Speaker	LSI	Loudspeaker	PIN2	Тор
1 SW-	/-PB	SW-PB	\$2	Switch	FSMRA2JH	Тор
1 TD4	4015BPN	Micro1	MC1	Condenser Microphone	MICRO_PANASONIC_WM- 64PN	Тор
		4.7K[[/\]]06		·		
10 4.7k	K	03[[/\]]1 180R[[/\]]06	R67, R92, R93, R94, R103, R104, R142, R144, R145, R146	Resistor	RESC1608X06L	Тор
2 180)	03[[/\]]1	R107, R137	Resistor	RESC1608X06L	Тор
2 1nF	:	100nF[[/\]]0 603[[/\]]1	C53, C54	Capacitor	RESC1608X06L	Тор
		TUF[[/\]]060				<u> </u>
		3[[/\]]1, 4.7uF[[/\]]0				
2 1uF		603[[/\]]1	C56, C61	Capacitor	RESC1608X06L	Тор
2 5.6k	к	2.2K[[/\]]06 03[[/\]]1	R115, R116	Resistor	RESC1608X06L	Тор
2 BAT	T54S	BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N	Тор
2 RT5	5050RGBC-T180	LED RGB SMD 2	D27, D38	\$0.027/2000k	LEDSMD5	Тор
2,513				8-Bit Senai-Input/Senai or Praile		
2 MC7	74HC595ADTR2	MC74HC59 5ADTR2	U14, U16	Output Shift Register with Latched 3-State Outputs	948F-01_N	Тор
2 Moto		Motor	B1, B2	Motor, General Kind	RB5-10.5	Тор
21 100		100nF[[/\]]0	C1, C3, C6, C10, C11, C12, C13, C23, C24, C27, C29, C33, C35, C36, C37, C38, C39, C62, C65, C66, C67		RESC1608X06L	
		603[[/\]]1	01, 03, 06, 010, 011, 012, 013, 023, 024, 027, 029, 030, 030, 037, 036, 039, 062, 063, 060, 067	Capacitor NPN General-purpose	RESCIBURAUBL	Тор
28 BC8		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	Transistor	SOT23_N	Тор
3 1.5k	К	RES	R26, R46, R47	120 SMD Blue led right angle mount	RESC1608X06L	Тор
3 27-2	21/BHC-AN1P2/3C	LED	D8, D31, D37	3.3V@20ma 28mcd	27-21 Everlight Blue	Тор
3 27-2	21SURC/S530-A3	LED	D7, D32, D36	SMD Red led right angle mount 2V@20ma 57mcd	27-21 Everlight	Тор
-		TUNF[[/\]]U6			· - · - · · · · · · · · ·	
		03[[/\]]1, 470nF[[/\]]0				
3 47nl		603[[/\]]1	C58, C59, C60	Capacitor	RESC1608X06L	Тор
3 AP7	7331-33WG-7	AP7331	U18, U22, U24	300mA, Low Quiescent Current, Fast Transient LDO	SOT95P285X100-5N	Тор
	TD1608CGCK	LED		LED standard - CWS Helios		
3 API	I D1608CGCK	TOK[[/\]]U6U	D28, D29, D30	SMD Green 570nm 230mcd	DIOC1608X08N	Тор
		3[[/\]]1,				
4 100	K	100K[[/\]]06 03[[/\]]1	R138, R139, R141, R143	Resistor	RESC1608X06L	Тор
		4.7uF[[/\]]0 603[[/\]]1,				
		10uF[[/\]]06	20 21 22 22		DE001000000	_
4 10ul	JF 21SURC/ S530-	03[[/\]]1	C2, C4, C32, C46	Capacitor SMD Red 0603 2V@20ma 56	RESC1608X06L	Тор
4 A3/		LED	D1, D3, D4, D5	mcd	DIOC1608X08N	Тор
		1K[[/\]]0603				
4 1K		[[/\]]1, RES	R25, R48, R49, R108	120, Resistor	RESC1608X06L	Тор
		22K[[/\]]060 3[[/\]]1,				
4 22K	<	RES	R11, R42, R43, R130	120, Resistor	RESC1608X06L	Тор
6 39		68K[[/\]]U6U 3[[/\]]1	R66, R86, R87, R88, R89, R134	Resistor	RESC1608X06L	Тор
6 6.2		RES	R36, R37, R39, R40, R54, R55	120	RESC1608X06L	Тор
7 2.2k	ĸ	2.2K[[/\]]06 03[[/\]]1	R32, R34, R35, R41, R52, R53, R126	Resistor	RESC1608X06L	Тор
		4.7uF[[/\]]0				
7 4.7u		603[[/\]]1	C31, C44, C45, C47, C48, C49, C50	Capacitor	RESC1608X06L	Тор
7 ITR	19909	ITR9909 8.2K[[/\]]U6	U6, U7, U8, U9, U10, U11, U12	Everlight Opto Interrupter	ITR9909_EDGE	Тор
		03[[/\]]2,				
		10K[[/\]]060 3[[/\]]1,				
8 10K		10K[[/\]]060 3[[/\]]2	R101, R102, R109, R110, R117, R118, R128, R129	Resistor	RESC1608X06L	Тор
0 100		68K[[/\]]U6U	111, 1110, 1120, 1120			. ор
8 33		3[[/\]]1, RES	R98, R99, R100, R135, R147, R148, R149, R150	120, Resistor	RESC1608X06L	Тор
		68K[[/\]]U6U				
8 56		3[[/\]]1	R56, R58, R60, R62, R78, R79, R80, R81	Resistor	RESC1608X06L	Тор
8 APT	TD1608SYCK	LED	D13, D14, D15, D16, D21, D22, D23, D24	LED standard - CMS Helios SMI	DIOC1608X08N	Тор

