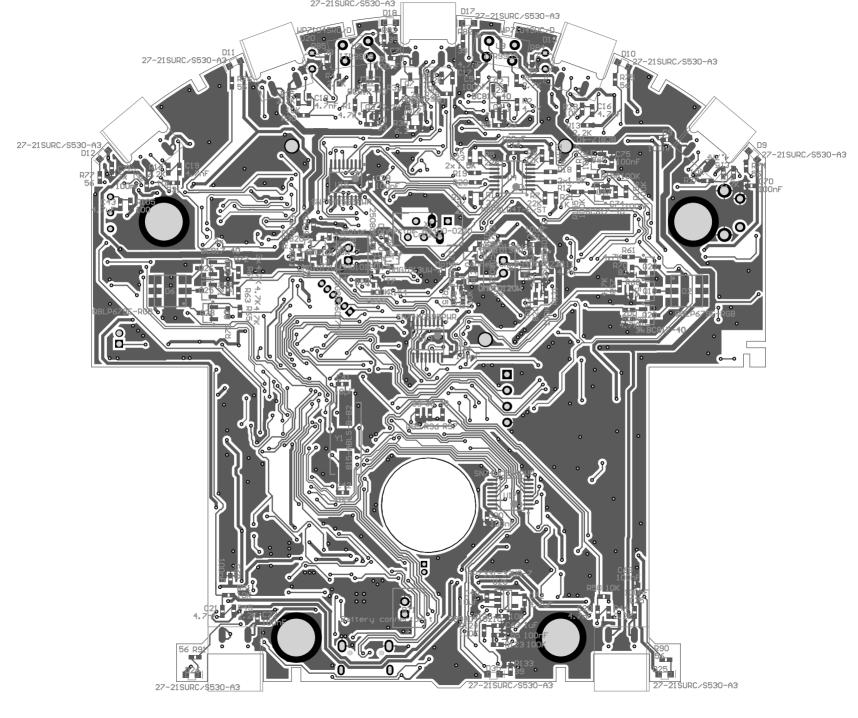


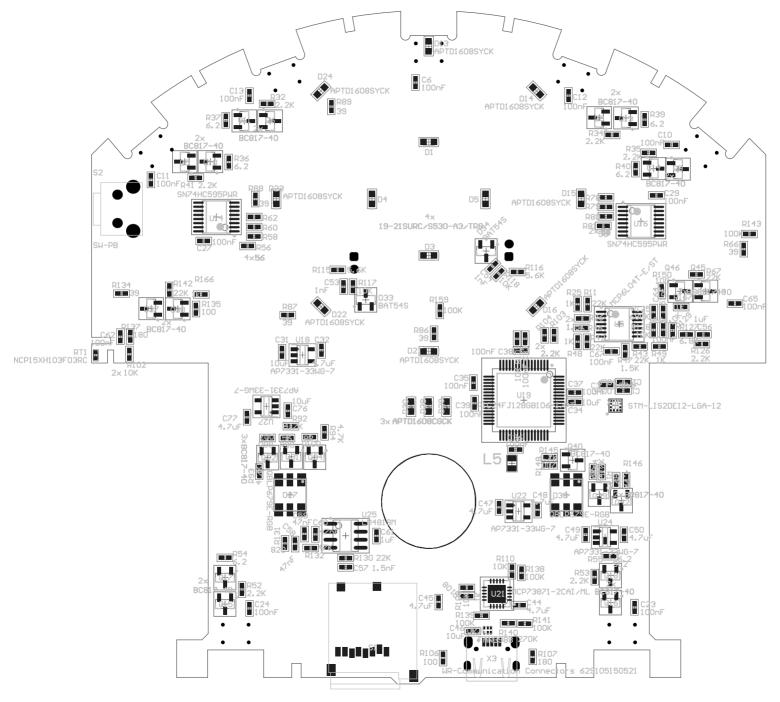
MicroSD-Astron 5190008-XA4-R



Quantity	Comment	Designator	Description	Footprint
-	Motor connector 89400- 0220			·
2	0220	B1, B2 C1, C3, C5, C6, C7, C8, C9, C10,	Motor, General Kind	BAT-2
		C11, C12, C13, C14, C22, C23, C24, C25, C26, C27, C28, C29, C30, C33,		
		C35, C36, C37, C38, C39, C55, C62, C65, C66, C67, C68, C69, C70, C71,		
38	100nF	C74, C75 C2, C31, C40, C46, C51, C52, C73,	Capacitor	CAPC1005X05N
	10uF	C76, C78	Capacitor	CAPC1005X05N
7	4.7nF	C15, C16, C17, C18, C19, C20, C21 C32, C43, C44, C45, C47, C48, C49,	Capacitor	CAPC1005X05N
	4.7uF	C50, C72, C77	Capacitor	CAPC1005X05N
	10uF X5R 18pF	C34 C41, C42	Capacitor	CAPC1005X05N CAPC1005X05N
-	1nF	C53, C54	Capacitor	CAPC1005X05N
3	1uF	C56, C61, C63	Capacitor	CAPC1005X05N
	1.5nF 47nF	C57	Capacitor	CAPC1005X05N CAPC1005X05N
	51pF	C58, C59, C60 C64	Capacitor Capacitor	CAPC1005X05N
4	19-21SURC/S530-A3/TR8	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIOC1608X08N
	QBLP679E-RGB	D2, D6, D27, D38	mod	QBLP679E-RGB
8	APTD1608SYCK	D13, D14, D15, D16, D21, D22, D23, D24	LED standard - CMS Helios SMD Yellow 590nm 480mcd	DIOC1608X08N
	APTD1608CGCK		LED standard - CMS Helios SMD Green 570nm 230mcd	
	BAT54S	D28, D29, D30 D33, D34	Schottky Barrier Double Diode	DIOC1608X08N SOT23_N
	2508056017Y2	L1, L2, L3, L4, L5	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 600 Ohm	INDC2012X11L
		Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8,		
		Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q22,		
		Q25, Q26, Q28, Q31, Q32, Q34, Q37, Q38, Q39, Q40, Q42, Q45,	NPN General-purpose	
36	BC817-40	Q46, Q47, Q48 R1, R2, R57, R59, R61, R63, R64,	Transistor	SOT23_N
10	4.7K	R65, R92, R93, R94, R111, R112, R113, R114, R144, R145, R146	Resistor	RESC1005X04N
	33	R3, R5	120, Resistor	RESC1005X04N
2	2.7K	R4, R6	Resistor	RESC1005X04N
10	22K	R7, R8, R9, R10, R11, R42, R43, R67, R130, R142	120, Resistor	RESC1005X04N
		R12, R13, R14, R15, R16, R32, R33, R34, R35, R41, R44, R45, R52, R53,		
	2.2K	R103, R104, R126	120, Resistor	RESC1005X04N
	1.5K	R17, R18, R19, R20, R26, R46, R47 R21, R22, R23, R24, R25, R48, R49,	120	RESC1005X04N
10	1K	R108, R166, R167 R27, R28, R29, R30, R31, R50, R51,	120, Resistor	RESC1005X04N
16	10K	R101, R102, R109, R110, R117, R118, R128, R129, R136	120, Resistor	RESC1005X04N
7	6.2	R36, R37, R38, R39, R40, R54, R55	120	RESC1005X04N
		R56, R58, R60, R62, R68, R71, R74, R75, R76, R77, R78, R79, R80, R81,		
18	56	R90, R91, R98, R147 R66, R82, R83, R84, R85, R86, R87,	Resistor, 56	RESC1005X04N
14	39	R88, R89, R95, R96, R97, R133, R134	Resistor	RESC1005X04N
	200	R69, R72, R99, R148	200	RESC1005X04N
	82	R70, R73, R100, R149	82	RESC1005X04N
2	100	R105, R106, R135, R150 R107, R137	Resistance, Resistor Resistor	RESC1005X04N RESC1005X04N
	5.6K	R115, R116	Resistor	RESC1005X04N
		R119, R120, R121, R122, R123, R124, R138, R139, R141, R143,		
	100K	R155, R156, R157, R158, R159	Resistor	RESC1005X04N
	680K 6.8K	R125 R127	Resistor Resistor	RESC1005X04N RESC1005X04N
	820	R131, R151, R152, R153, R154	Resistor	RESC1005X04N
	47K	R132	Resistor	RESC1005X04N
1	270K	R140	Resistor Thermistors - NTC 10K OHM 1%	RESC1005X04N
1	NCP15XH103F03RC MicroSD-Astron 5190008-	RT1	0402 MicroSD Card connector	RESC1005X04L
1	XA4-R	S1	5190008-XA4-R	Astron 5190008-XA4-R
1	SW-PB	S2	Switch Transistor MOSFET 1 x P Pining :	FSMRA2JH
4	DMG1013UW-7	T1, T2, T3, T4	1=G, 2=S, 3=D Transistor MOSFET 1 x N, Pining	SOT65P210X100-3N
	DMG1012UW	T5, T6, T7, T8	: 1=G, 2=S, 3=D	SOT65P210X100-3N
1	STM-LIS2DE12-LGA-12	U1	1 MHz, 85 μA Quad Op Amp, 14-	STM-LGA-12
			Pin TSSOP, Extended Temperature Range, Tape and	
2	MCP6L04T-E/ST	U4, U5	Reel 8-Bit Serial-Input/Serial or	TSSOP-ST14_N
_	CN74LICEOFDIAID	1110 1114 1115 1147 1147	Prallel-Output Shift Register with Latched 3-State Outputs	040E 01 N
	SN74HC595PWR	U13, U14, U15, U16, U17	300mA, Low Quiescent Current,	948F-01_N
5	AP7331-33WG-7	U18, U22, U24, U26, U27	Fast Transient LDO General Purpose 16-Bit Flash	SOT95P285X100-5N
			Microcontroller with USB On- The-Go, 128KB Flash, 16KB	
1	PIC24FJ128GB106-I/PT	U19	SRAM, 64-Pin TQFP, Industrial Temperature	TQFP-PT64_N
<u> </u>		-	Stand-Alone System Load	3
			Sharing and Li-lon/Li-Polymer Battery Charge Management	
1	MCP73871-2CAI/ML	U21	Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N
1	FAN3988	U23	USB/Charger and Over Voltage Detection Device	MLP 1.45X1MM
	LM4819M	U25	350mW Audio Power Amplifier with Shutdown Mode	M08A_N
'	WR-Communication	020		
1	Connectors 629105150521	Х3	WR-COM_USB_Micro Type B_Horizontal_SMT	629105150521
1	815-ABLS-8-B2	Y1	Surface Mount Quartz Crystal 8Mhz	HC49/4H_SMX
				-

Quant	Comment	Designator	Description	Footprint	Layer
1	1uF	C63	Capacitor	5N	Botto m
1	6.2	R38	120	RESC1005X0 4N	Botto m
1	100	R105	Resistance	RESC1005X0 4N	Botto m
	815-ABLS-8		Surface Mount Quartz	HC49/4H_SM	Botto
1	B2	Υ1	Crystal 8Mhz	х	m
1	AP7331- 33WG-7	U26	300mA, Low Quiescent Current, Fast Transient LDO 1 MHz, 85 µA	SOT95P285X 100-5N	Botto m
	MCP6L04T-		Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape	TSSOP-	Botto
1	E/ST	U4	and Reel	ST14_N RESC1005X0	m Botto
2	2.7K	R4, R6	Resistor	4N CAPC1005X0	m Botto
	4.7uF	C43, C72	Capacitor	CAPC1005X0	m Botto
2	18pF 33	C41, C42 R3, R5	120, Resistor	RESC1005X0	m Botto m
2	82	R70, R73	82	RESC1005X0 4N	Botto m
2	200	R69, R72	200	RESC1005X0 4N	Botto m
	Motor connector				
2	89400- 0220	B1, B2	Motor, General Kind	BAT-2	Botto m
2	QBLP679E- RGB	D2, D6		QBLP679E- RGB	Botto m
	SN74HC59		8-Bit Serial- Input/Serial or Prallel- Output Shift Register with Latched 3-		Botto
3	5PWR	U13, U15, U17	State Outputs	948F-01_N RESC1005X0	m Botto
4	1K	R21, R22, R23, R24	120	RESC1005X0	m Botto m
4	1.5K 22K	R17, R18, R19, R20 R7, R8, R9, R10	120	4N RESC1005X0 4N	m Botto m
4	820	R151, R152, R153, R154	Resistor	RESC1005X0 4N	m Botto m
4	250805601 7Y2	L1, L2, L3, L4	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 600 Ohm	INDC2012X1	Botto m
4	DMG1012 UW	T5, T6, T7, T8	Transistor MOSFET 1 x N, Pining : 1=G, 2=S, 3=D	SOT65P210X 100-3N	Botto m
4	DMG1013 UW-7	T1, T2, T3, T4	Transistor MOSFET 1 x P Pining : 1=G, 2=S, 3=D	SOT65P210X 100-3N CAPC1005X0	Botto m Botto
5	10uF	C40, C51, C52, C73, C78	Capacitor	5N CAPC1005X0	m Botto
7	4.7nF	C15, C16, C17, C18, C19, C20, C21	Capacitor	5N RESC1005X0	m Botto
8	2.2K	R12, R13, R14, R15, R16, R33, R44, R45	120, Resistor	4N RESC1005X0	m Botto
8		R27, R28, R29, R30, R31, R50, R51, R136	120, Resistor	4N RESC1005X0	m Botto
8		R82, R83, R84, R85, R95, R96, R97, R133	Resistor	4N RESC1005X0	m Botto
	56	R68, R71, R74, R75, R76, R77, R90, R91	56, Resistor	4N RESC1005X0	m Botto
	100K	R119, R120, R121, R122, R123, R124, R155, R156, R157, R158	Resistor	RESC1005X0	m Botto
12	4.7K	R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114	Resistor NPN General- purpose	4N	m Botto
14	BC817-40	Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q22, Q25, Q26, Q28, Q47, Q48	Transistor	SOT23_N CAPC1005X0	m Botto
17	100nF	C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71, C74, C75	Capacitor	5N CAPC1005X0	m
1	1.5nF	C57	Capacitor	5N RESC1005X0	Тор
1	6.8K	R127	Resistor	4N CAPC1005X0	Тор
1	10uF X5R	C34	Capacitor	5N RESC1005X0	Тор
1	47K	R132	Resistor	4N CAPC1005X0	Тор
1	51pF	C64	Capacitor	5N RESC1005X0	Тор
1	270K	R140	Resistor	4N RESC1005X0	Тор
1	680K	R125	Resistor	AN RESC1005X0	Тор
1	820	R131	Resistor SMD EMI	4N	Тор
	250805601		Suppression Ferrite Bead WE-CBF, Z =	INDC2012X1	
1	7Y2	LS	600 Ohm USB/Charger and Over Voltage	1L	Тор
1	FAN3988	U23	Detection Device 350mW Audio	MLP 1.45X1MM	Тор
1	LM4819M	U25	Power Amplifier with Shutdown Mode 1 MHz, 85 µA	M08A_N	Тор
	Montra		Quad Op Amp, 14-Pin TSSOP, Extended Temperature	TREAD	
1	MCP6L04T- E/ST	US .	Range, Tape and Reel Stand-Alone System Load Sharing and Li-lon/Li- Polymer Battery Charge Management Controller, 4.2V, 20-Pin	TSSOP- ST14_N	Тор
1	MCP73871- 2CAI/ML MicroSD-	U21	QFN, Industrial Temperature MicroSD Card	QFN-ML20_N	Тор
	Astron 5190008-		connector 5190008-XA4-	Astron 5190008-XA4-	_
1	XA4-R	S1	R	R	Тор

	Comment	Designator	Description	Footprint	Lay
	NCP15XH1		Thermistors - NTC 10K OHM	RESC1005X0	
1	03F03RC	RT1	1% 0402 General	4L	Тор
			Purpose 16-		
			Bit Flash Microcontroll		
			er with USB On-The-Go.		
			On-The-Go, 128KB Flash,		
			16KB SRAM,		
	PIC24FJ128		64-Pin TQFP, Industrial		
1	GB106-I/PT	U19	Temperature	TQFP-PT64_N	Тор
	STM- LIS2DE12-				
1	LGA-12	U1		STM-LGA-12	Тор
1	SW-PB WR-	S2	Switch	FSMRA2JH	Тор
	Communic				
	ation Connector		WR- COM_USB_Mi		
	s		сго Туре		
1	629105150 521	X3	B_Horizontal_ SMT	62910515052 1	Тор
_		050.054		CAPC1005X0	
2	1nF	C53, C54	Capacitor	5N CAPC1005X0	Тор
2	1uF	C56, C61	Capacitor	5N	Тор
2	5.6K	R115, R116	Resistor	RESC1005X0 4N	Тор
				RESC1005X0	
2	82	R100, R149	82	4N RESC1005X0	Top
2	180	R107, R137	Resistor	4N	Тор
2	200	R99, R148	200	RESC1005X0 4N	Тор
Ť		• •			
			Schottky Barrier		
2	BAT54S	D33, D34	Double Diode		Тор
2	QBLP679E- RGB	D27, D38		QBLP679E- RGB	Тор
Ť	NOD	527,500		NOD	iop
			8-Bit Serial- Input/Serial		
			or Prallel-		
			Output Shift Register with		
	SN74HC59		Latched 3-		
2	5PWR	U14, U16	State Outputs	948F-01_N RESC1005X0	Тор
3	1.5K	R26, R46, R47	120	4N	Тор
3	47nF	C58, C59, C60	Capacitor	CAPC1005X0 5N	Тор
			Resistance,	RESC1005X0	
3	100	R106, R135, R150	Resistor LED standard -	4N	Тор
			CMS Helios		
	APTD1608C		SMD Green 570nm	DIOC1608X0	
3	GCK	D28, D29, D30	230mcd	8N	Тор
4	10uF		. "	CAPC1005X0	
		C2. C31. C46. C76			Ton
		C2, C31, C46, C76	Capacitor SMD Red	5N	Тор
	19- 21SHRC/S5	C2, C31, C46, C76	SMD Red 0603		Тор
	19- 21SURC/S5 30-A3/TR8	C2, C31, C46, C76 D1, D3, D4, D5	SMD Red	DIOC1608X0 8N	
	21SURC/S5		SMD Red 0603 2V@20ma 56 mcd	DIOC1608X0	
	21SURC/S5 30-A3/TR8		SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent	DIOC1608X0 8N	
	21SURC/S5 30-A3/TR8 AP7331-	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast	DIOC1608X0	Тор
4	21SURC/S5 30-A3/TR8 AP7331- 33WG-7	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Oulescent Current, Fast Transient LDO	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0	Тор
4	21SURC/S5 30-A3/TR8 AP7331-	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N	Тор
4	21SURC/S5 30-A3/TR8 AP7331- 33WG-7	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Oulescent Current, Fast Transient LDO	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N	Тор
4 5 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0	Тор Тор Тор
4 5 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0	Тор Тор Тор
4 5 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0	Тор Тор Тор
4 5 6 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N	Тор Тор Тор Тор
4 4 5 6 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R142, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Oulescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0	Тор Тор Тор Тор Тор
4 5 6 6 6 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N	Тор Тор Тор Тор Тор
4 5 6 6 6 6	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R142, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Oulescent Current, Fast Transient LDO Resistor 120, Resistor	DIOC1608X0 8N SOT95P285X 100-5M RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 5N	Тор Тор Тор Тор Тор
4 4 5 6 6 6 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134	SMD Red 0603 2V@20ma 56 mcd 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N	Тор Тор Тор Тор Тор
4 4 5 6 6 6 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77	SMD Red 0603 2V@20ma 56 med 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 200, Resistor Resistor Resistor Resistor Resistor Resistor	DIOC1608X0 8N SO 1795P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 5N RESC1005X0 5N RESC1005X0 5N RESC1005X0 5N	Тор Тор Тор Тор Тор
4 4 5 6 6 6 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77	SMD Red 0603 2V@20ma 56 med 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor Capacitor Resistor Capacitor Capacitor Capacitor CMS Helios SMD Yellow	DIOC1608X0 8N SO T95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N	Top Top Top Top Top Top Top
4 5 6 6 6 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K	D1, D3, D4, D5 U18, U22, U24, U27 R136, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77 R101, R102, R109, R110, R117, R118, R128, R129	SMD Red 0603 2V@20ma 56 mcd 00mA_Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor Capacitor Resistor Capacitor Resistor Capacitor Resistor ED standard CMS Helios SMD Yellow S900m	DIOC1608X0 8N SOT95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N DIOC1608X0	Тор Тор Тор Тор Тор Тор
4 4 5 6 6 6 6 8 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77	SMD Red 0603 2V@20ma 56 mod 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor	DIOC1608X0 8N SO T95P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N	Тор Тор Тор Тор Тор Тор
4 4 5 6 6 6 6 8 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K	D1, D3, D4, D5 U18, U22, U24, U27 R136, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77 R101, R102, R109, R110, R117, R118, R128, R129	SMD Red 0603 2V@20ma 56 mcd 00mA_Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor Capacitor Resistor Capacitor Resistor Capacitor Resistor ED standard CMS Helios SMD Yellow S900m	DIOC1608X0 BN SO 195P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N DIOC1608X0 BN RESC1005X0 4N RESC1005X0 RESC1005X0 RESC1005X0 RESC1005X0 RESC1005X0	Тор Тор Тор Тор Тор Тор
4 4 5 6 6 6 6 8 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K APTD1608S VCK 2.2K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R142, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77 R101, R102, R109, R110, R117, R118, R128, R129 D13, D14, D15, D16, D21, D22, D23, D24	SMD Red 0603 2V@20ma 56 mod 300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor	DIOC1608X0 8N SO 1795P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N DIOC1608X0 8N RESC1005X0 4N	Тор Тор Тор Тор Тор Тор Тор Тор Тор
4 5 6 6 6 8 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K APTD1608S YCK	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77 R101, R102, R109, R110, R117, R118, R128, R129 D13, D14, D15, D16, D21, D22, D23, D24 R32, R34, R35, R41, R52, R53, R103, R104, R126 R32, R34, R35, R41, R52, R53, R103, R104, R126 R36, R58, R60, R62, R78, R79, R80, R81, R98, R147 C1, C3, C6, C10, C11, C12, C13, C23, C24, C27, C29, C33, C35, C36, C37, C38, C39,	SMD Red 0003 2V@20ma 56 mod 200mA, Low Oulescent Current, Fast Transient LDO Resistor 120, Resistor Resistor 120, R	DIOC1608X0 8N SO 195P285X 100-5N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N RESC1005X0 4N DIOC1608X0 8N RESC1005X0 4N	Тор Тор Тор Тор Тор Тор Тор Тор
4 5 6 6 6 8 8 8	21SURC/S5 30-A3/TR8 AP7331- 33WG-7 100K 1K 4.7K 6.2 22K 39 4.7uF 10K APTD1608S VCK 2.2K	D1, D3, D4, D5 U18, U22, U24, U27 R138, R139, R141, R143, R159 R25, R48, R49, R108, R166, R167 R92, R93, R94, R144, R145, R146 R36, R37, R39, R40, R54, R55 R11, R42, R43, R67, R130, R142 R66, R86, R87, R88, R89, R134 C32, C44, C45, C47, C48, C49, C50, C77 R101, R102, R109, R110, R117, R118, R128, R129 D13, D14, D15, D16, D21, D22, D23, D24 R32, R34, R35, R41, R52, R53, R103, R104, R126 R56, R58, R60, R62, R78, R79, R80, R81, R98, R147	SMD Red 0603 2V@20ma 56 mod 0300mA, Low Quiescent Current, Fast Transient LDO Resistor 120, Resistor 120, Resistor 120, Resistor Capacitor Resistor Capacitor Resistor Capacitor Capacitor CMS Helios SMD Yellow S90mm 480mcd	DIOC1608X0 BN SO 195P285X 100-5N RESC1005X0 4N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N RESC1005X0 8N 8N RESC1005X0 8N 8N 8N 8N 8N 8N 8N 8N 8N 8N 8N 8N 8N	Тор Тор Тор Тор Тор Тор Тор Тор Тор



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