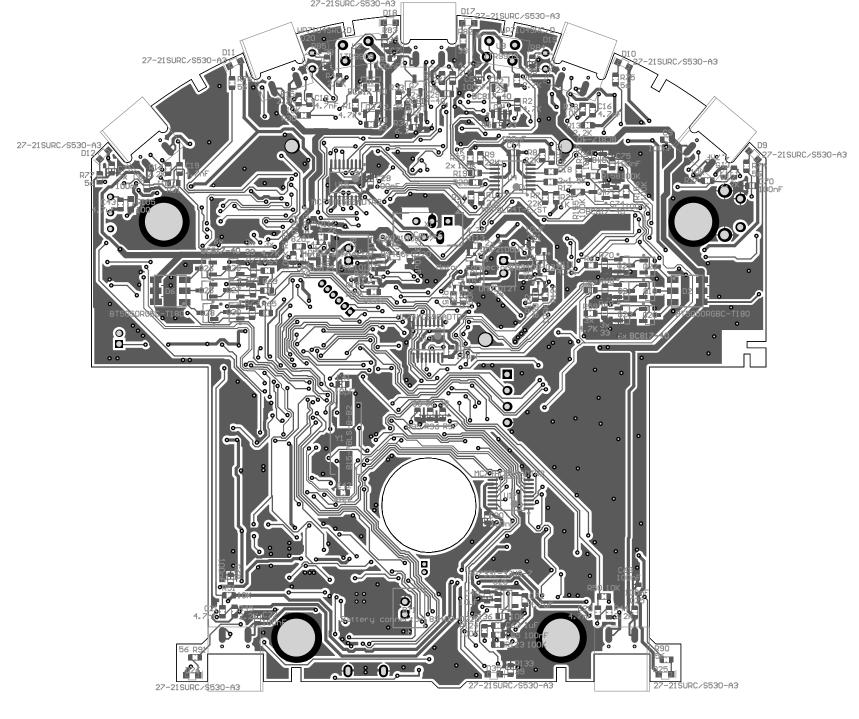


MicroSD-Astron 5190008-XA4-R Alstron R3190005-021-R



2	Comment  Motor connector 89400-0220	Designator B1, B2	Description  Motor, General Kind	Footprint BAT-2
	Battery connector 89400-0220	B1, B2 BT1	Motor, General Kind Multicell Battery	BAT-2
1	Battery Connector 89400-0220	C1, C3, C5, C6, C7, C8, C9, C10, C11, C12,	Multicell battery	DAI-2
		C13, C14, C22, C23, C24, C25, C26, C27, C28,		
		C29, C30, C33, C35, C36, C37, C38, C39, C55,		
20	100nF	C62, C65, C66, C67, C68, C69, C70, C71, C74, C75	Capacitor	CAPC1608X08L
	10uF		Capacitor	CAPC1608X08L
	4.7nF	C2, C4, C31, C40, C46, C51, C52, C73	Capacitor	CAPC1608X08L
	-	C15, C16, C17, C18, C19, C20, C21	Capacitor	
	4.7uF	C32, C43, C44, C45, C47, C48, C49, C50, C72	Capacitor	CAPC1608X08L
	10uF X5R	C34	Capacitor	CAPC1608X08L
	18pF	C41, C42		CAPC1608X08L
	1nF	C53, C54	Capacitor	CAPC1608X08L
	1uF	C56, C61, C63	Capacitor	CAPC1608X08L
	1.5nF	C57	Capacitor	CAPC1608X08L
	47nF	C58, C59, C60	Capacitor	CAPC1608X08L
	51pF	C64	Capacitor	CAPC1608X08L
	19-21SURC/S530-A3/TR8	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIOC1608X08N
4	BT5050RGBC-T180	D2, D6, D27, D38	\$0.027/2000k	LEDSMD5
12	27-21SURC/S530-A3	D7, D9, D10, D11, D12, D17, D18, D25, D26, D32, D35, D36	SMD Red led right angle mount 2V@20ma 57mcd	27-21 EVERLIGHT
12	27 2130NC/3330 A3	532, 533, 530	SMD Blue led right angle mount	Z7-Z1 EVERGIII
3	27-21/BHC-AN1P2/3C	D8, D31, D37	3.3V@20ma 28mcd	27-21 Everlight Blue
			LED standard - CMS Helios SMD Yellow	
	APTD1608SYCK	D13, D14, D15, D16, D21, D22, D23, D24	590nm 480mcd	DIOC1608X08N
2	WP7104SRC/D	D19, D20	Red led 2V@20ma 57mcd	LED_TH_3MM_20MM
			LED standard - CMS Helios SMD Green	
	APTD1608CGCK	D28, D29, D30	570nm 230mcd	DIOC1608X08N
2	BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N
А	MLP2520S3R3S	L1, L2, L3, L4	Inductors for Power Circuits Multilayer/STD Magnetic Shielded	INDC2520X12L
		L1, L2, L3, L4 LS1		PIN2
1	Speaker	LOI	Loudspeaker Omnidirectional Back Electret Condenser	1 1144
1	TD4015BPN	MC1	Microphone	MICRO_TD4015BPN
		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, Q36, Q37, Q38, Q39, Q40, Q41, Q42,		
48	BC817-40	Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46, Q47, Q48	NPN General-purpose Transistor	SOT23_N
10		R1, R2, R57, R59, R61, R63, R64, R65, R67,	, - , - , - , - , - , - , - , - ,	
		R92, R93, R94, R111, R112, R113, R114, R142,		
20	4.7K	R144, R145, R146	Resistor	RESC1608X06L
			120, Resistor, 120, 120, 120, 120, 120,	
16	33	R3, R5, R68, R69, R70, R71, R72, R73, R98, R99, R100, R135, R147, R148, R149, R150	120, 120, 120, 120, Resistor, 120, 120, 120, Resistor	RESC1608X06L
	2.7K	R4, R6	Resistor	RESC1608X06L
	2./K	R4, R0	Resistor	RESCIOURAUGE
8	22K	R7, R8, R9, R10, R11, R42, R43, R130	120, 120, 120, 120, 120, 120, 120, Resistor	RESC1608X06L
			120, 120, 120, 120, 120, Resistor, Resistor,	
			Resistor, Resistor, 120, 120,	
		R12, R13, R14, R15, R16, R32, R33, R34, R35,	Resistor, Resistor, Resistor,	
	2.2K	R41, R44, R45, R52, R53, R103, R104, R126	Resistor	RESC1608X06L
7	1.5K	R17, R18, R19, R20, R26, R46, R47	120	RESC1608X06L
9	1K	R21, R22, R23, R24, R25, R48, R49, R108	120, 120, 120, 120, 120, 120, 120, Resistor	PESC1608Y06I
•	1K	R21, R22, R23, R24, R25, R46, R49, R108	120, 120, 120, 120, 120, 120, 120, Resistor	RESCIOURAUDL
		R27, R28, R29, R30, R31, R50, R51, R101,	Resistor, Resistor, Resistor,	
		R102, R109, R110, R117, R118, R128, R129,	Resistor, Resistor, Resistor,	
16	10K	R136	Resistor	RESC1608X06L
7	6.2	R36, R37, R38, R39, R40, R54, R55	120	RESC1608X06L
		R56, R58, R60, R62, R74, R75, R76, R77, R78,		
14	56	R79, R80, R81, R90, R91 R66, R82, R83, R84, R85, R86, R87, R88, R89,	Resistor	RESC1608X06L
14	39	R95, R96, R97, R133, R134	Resistor	RESC1608X06L
	100	R105, R106	Resistance	RESC1608X06N
	180	R107, R137	Resistor	RESC1608X06L
2	5.6K	R115, R116 R119, R120, R121, R122, R123, R124, R138,	Resistor	RESC1608X06L
		R139, R141, R143, R155, R156, R157, R158,		
15	100K	R159	Resistor	RESC1608X06L
1	680K	R125	Resistor	RESC1608X06L
1	6.8K	R127	Resistor	RESC1608X06L
	820	R131, R151, R152, R153, R154	Resistor	RESC1608X06L
	47K	R132	Resistor	RESC1608X06L
	270K	R140	Resistor	RESC1608X06L
	NCP15XH103F03RC	RT1	Thermistors - NTC 10K OHM 1% 0402	RESC1005X04L
	MicroSD-Astron 5190008-XA4-R	S1	MicroSD Card connector 5190008-XA4-R	Astron 5190008-XA4-R
		*-		
	SW-PB	S2	Switch Transistor MOSFET 1 x P Pining : 1=G,	FSMRA2JH
1	i .		2=S, 3=D	SOT50P160X80-3N
	DMP21DOUT-7	T1, T2, T3, T4		* *
	DMP21DOUT-7	T1, T2, T3, T4	Transistor MOSFET 1 x N, Pining : 1=G,	
4	DMP21DOUT-7 DMG1012T	T1, T2, T3, T4  T5, T6, T7, T8	2=S, 3=D	SOT50P160X80-3N
4	DMG1012T	T5, T6, T7, T8	2=S, 3=D MMA7660FC: XYZ-AXIS	
4	DMG1012T MMA7660FC	T5, T6, T7, T8	2=S, 3=D MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g	DFN50P300X300X100-12N
4	DMG1012T	T5, T6, T7, T8	2=S, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter	
4	DMG1012T MMA7660FC	T5, T6, T7, T8	2=S, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin	DFN50P300X300X100-12N
4 4 1 2	DMG1012T MMA7660FC	T5, T6, T7, T8	2=S, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter	DFN50P300X300X100-12N
4 4 1 2	DMG1012T MMA7660FC ITR9909	T5, T6, T7, T8 U1 U2, U3	2-S, 3-D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N
4 4 1 2	DMG1012T MMA7660FC ΠR9909 MCP6L04T-E/ST	T5, T6, T7, T8 U1 U2, U3	2=S, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin  TSSOP, Extended Temperature Range,	DFN50P300X300X100-12N ITR9909_LONG
4 4 1 2 2	DMG1012T MMA7660FC ПТ9909 MCP6L04T-E/ST ПТ9909	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12	2-S, 3-D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 25 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE
4 4 1 2 2	DMG1012T MMA7660FC ΠR9909 MCP6L04T-E/ST	T5, T6, T7, T8 U1 U2, U3	2=5, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSQP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N
4 4 1 2 2 2 7	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17	2=S, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  Everlight Opto Interrupter  Brit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs  300mA, Low Quiescent Current, Fast	DFN50P300X300X100-12N  ITR9909_LONG  TSSOP-ST14_N  ITR9909_EDGE  948F-01_N
4 4 1 2 2 2 7	DMG1012T MMA7660FC ПТ9909 MCP6L04T-E/ST ПТ9909	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12	2–S, 3–D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LIDO	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE
4 4 1 2 2 2 7	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17	2=5, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin  TSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output  Shift Register with Latched 3-State  Outputs  300mA, Low Quiescent Current, Fast Transient LDO  General Purpose 16-Bit Flash	DFN50P300X300X100-12N  ITR9909_LONG  TSSOP-ST14_N  ITR9909_EDGE  948F-01_N
4 4 1 2 2 2 7	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17	2=S, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  Bell Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State OutputS 300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go,	DFN50P300X300X100-12N  ITR9909_LONG  TSSOP-ST14_N  ITR9909_EDGE  948F-01_N
4 4 1 2 2 7 5 4	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17	2=5, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin  TSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output  Shift Register with Latched 3-State  Outputs  300mA, Low Quiescent Current, Fast Transient LDO  General Purpose 16-Bit Flash	DFN50P300X300X100-12N  ITR9909_LONG  TSSOP-ST14_N  ITR9909_EDGE  948F-01_N
4 4 1 2 2 7 5 4	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17 U18, U22, U24, U26	2–S, 3–D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LIDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP,	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE 948F-01_N SOT95P285X100-5N
4 4 1 2 2 7 5 4	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7	T5, T6, T7, T8 U1 U2, U3 U4, U5 U6, U7, U8, U9, U10, U11, U12 U13, U14, U15, U16, U17 U18, U22, U24, U26	2=5, 3=D  MMA7660FC: XYZ-AXIS  ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin  TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output  Shift Register with Latched 3-State  Outputs  300mA, Low Quiescent Current, Fast Transient LDO  General Purpose 16-Bit Flash  Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP,  Industrial Temperature	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE 948F-01_N SOT95P285X100-5N
4 4 4 1 1 2 2 2 7 7 5 5 4 4 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26	2=S, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 j.µ Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  Everlight Opto Interrupter  Bit Serial-Input/Serial or Prallel-Output  Shift Register with Latched 3-State Outputs  300mA, Low Quiescent Current, Fast Transient LDO  General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature  IR Receiver Module (38 kHz) for Remote Control Systems  Stand-Alone System Load Sharing and U-	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N SOT95P285X100-5N
4 4 4 1 1 2 2 7 7 5 5 4 4 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26	2-S, 3-D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature Receiver Module (38 kHz) for Remote Control Systems	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N SOT95P285X100-5N
4 4 1 2 2 7 5 4 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19	2–S, 3–D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs  300mA, Low Quiescent Current, Fast Transient LID  General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature  IR Receiver Module (38 kHz) for Remote Control Systems  Stand-Alone System Load Sharing and Li- lon/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE 948F-01_N SOT95P285X100-5N TQFP-PT64_N IR-receiver
4 4 1 2 2 7 5 4 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26	2=S, 3=D  MMA7660FC XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter 1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel Everlight Opto Interrupter Everlight Opto Interrupter Beilt Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature IR Receiver Module (38 kHz) for Remote Control Systems Stand-Alone System Load Sharing and Li- Ior/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N SOT95P285X100-5N
4 4 1 1 2 2 2 7 7 5 5 4 4 1 1 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T  MCP73871-2CAI/ML	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19  U20	2-S, 3-D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  Selt Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs  300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature  IR Receiver Module (38 kHz) for Remote Control Systems  Stand-Alone System Load Sharing and Li- lon/Li-Polymer Battery Charge Management Controller, 42V, 20-Pin QFN, Industrial Temperature  USB/Charger and Over Voltage Detection	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N  SOT95P285X100-5N  TQFP-PT64_N  IR-receiver
4 4 1 1 2 2 2 7 7 5 5 4 4 1 1 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19	2=S, 3=D  MMA7660FC XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter 1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel Everlight Opto Interrupter Everlight Opto Interrupter Beilt Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature IR Receiver Module (38 kHz) for Remote Control Systems Stand-Alone System Load Sharing and Li- Ior/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	DFN50P300X300X100-12N ITR9909_LONG TSSOP-ST14_N ITR9909_EDGE 948F-01_N SOT95P285X100-5N TQFP-PT64_N IR-receiver
4 4 4 1 1 2 2 2 7 7 5 5 4 4 1 1 1 1 1 1 1 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T  MCP73871-2CAI/ML	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19  U20	2–S, 3–D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs  300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature  R Receiver Module (38 kHz) for Remote Control Systems Stand-Alone System Load Sharing and Li- lon/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature  USB/Charger and Over Voltage Detection Device	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N  SOT95P285X100-5N  TQFP-PT64_N  IR-receiver
4 4 1 1 2 2 2 7 7 5 5 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T  MCP73871-2CAI/ML  FAN3988	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19  U20  U21	2=S, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 28 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  Selfs erial-input/Serial or Prallel-Output Shift Register with Latched 3-State OutputS  300mA, Low Quiescent Current, Fast Transient LDO  General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature  IR Receiver Module (38 kHz) for Remote Control Systems Stand-Alone System Load Sharing and Li- lon/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature  USB/Charger and Over Voltage Detection Device 350mW Audio Power Amplifier with	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N SOT95P285X100-5N  TQFP-PT64_N IR-receiver  QFN-ML20_N MLP 1.45X1MM
4 4 4 1 1 2 2 2 2 7 7 5 5 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DMG1012T  MMA7660FC  ITR9909  MCP6L04T-E/ST  ITR9909  MC74HC595ADTR2  AP7331-33WG-7  PIC24FJ128GB106-I/PT  IRM-3638T  MCP73871-2CAI/ML  FAN3988  LM4819M	T5, T6, T7, T8  U1  U2, U3  U4, U5  U6, U7, U8, U9, U10, U11, U12  U13, U14, U15, U16, U17  U18, U22, U24, U26  U19  U20  U21  U23	2=S, 3=D  MMA7660FC: XYZ-AXIS ACCELEROMETER ±1.5 g  Everlight Opto Interrupter  1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel  Everlight Opto Interrupter  8-Bit Serial-Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs 300mA, Low Quiescent Current, Fast Transient LDO General Purpose 16-Bit Flash Microcontroller with USB On-The-Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial Temperature R Receiver Module (38 kHz) for Remote Control Systems  Stand-Alone System Load Sharing and Li- Ion/Li-Polymer Battery Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature USB/Charger and Over Voltage Detection Device  SomW Audio Power Amplifier with Shutdown Mode	DFN50P300X300X100-12N ITR9909_LONG  TSSOP-ST14_N ITR9909_EDGE  948F-01_N SOT95P285X100-5N  TQFP-PT64_N IR-receiver  QFN-ML20_N MLP 1.45X1MM M08A_N

antity	Comment	Designator	Description	Footprint	Lay
1	100	R105	Resistance	RESC1608X06N	Botto
1	1uF	C63	Capacitor	CAPC1608X08L	Botto
1	6.2	R38	120	RESC1608X06L	Botto
,	01E ADIC 0 DO	VI.	Surface Mount Quartz Crystal	LICADIALI SNAV	Botto
	815-ABLS-8-B2 AP7331-33WG-	Y1	8Mhz 300mA, Low Quiescent Current	HC49/4H_SMX	Botto
1	7 Battery	U26	-		Botto
1	connector 89400-0220	BT1	Multicell Battery	BAT-2	Botto
			1 MHz, 85 µA Quad Op Amp, 14- Pin TSSOP, Extended Temperature		
1	MCP6L04T- E/ST	U4	Range, Tape and Reel	TSSOP-ST14_N	Botto
10	100K	R119, R120, R121, R122, R123, R124, R155, R156, R157, R158	Resistor	RESC1608X06L	Botto
12	4.7K	R1, R2, R57, R59, R61, R63, R64, R65, R111, R112, R113, R114	Resistor	RESC1608X06L	Botto
17	100nF	C5, C7, C8, C9, C14, C22, C25, C26, C28, C30, C55, C68, C69, C70, C71, C74, C75	Capacitor	CAPC1608X08L	Botto
2	18pF	C41, C42		CAPC1608X08L	Botto
2	2.7K	R4, R6	Resistor	RESC1608X06L	Botto
2	4.7uF	C43, C72	Capacitor	CAPC1608X08L	Botto
2	BT5050RGBC- T180	D2, D6	\$0.027/2000k	LEDSMD5	Botto
			Everlight Opto		
2	ITR9909 Motor	u2, u3	Interrupter	ITR9909_LONG	Botto
2	connector 89400-0220	81, 82	Motor, General Kind	BAT-2	Botto
2	WP7104SRC/D	D19 D20	Red led 2V@20ma 57mcd	LED_TH_3MM_20 MM	Botto
	*** / ±045KC/D	LAY, JEU	NPN General-		DOTTO
20	BC817-40	Q1, Q2, Q3, Q4, Q7, Q12, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q47, Q48	purpose Transistor	SOT23_N	Botto
3	MC74HC595A DTR2	U13, U15, U17	8-Bit Serial- Input/Serial or Prallel-Output Shift Register with Latched 3-State Outputs	948F-01_N	Botto
	1.5K	R17, R18, R19, R20	120	RESC1608X06L	Botto
_	10uF				
_		C40, C51, C52, C73	Capacitor	CAPC1608X08L	Botto
	1K	R21, R22, R23, R24	120	RESC1608X06L	Botto
	22K	R7, R8, R9, R10	120	RESC1608X06L	Botto
4	820	R151, R152, R153, R154	Resistor Transistor MOSFET	RESC1608X06L	Botto
4	DMG1012T	T5, T6, T7, T8	1 x N, Pining : 1=G, 2=S, 3=D Transistor MOSFET	SOT50P160X80- 3N	Botto
4	DMP21DOUT- 7	T1, T2, T3, T4	1 x P Pining : 1=G, 2=S, 3=D	SOT50P160X80- 3N	Botto
4	MLP2520S3R3 S	<u>(1, 12, 13, 14</u>	Inductors for Power Circuits Multilayer/STD Magnetic Shielded	INDC2520X12L	Botto
_	56	R74, R75, R76, R77, R90, R91	Resistor	RESC1608X06L	Botto
7	4.7nF	C15, C16, C17, C18, C19, C20, C21	Capacitor 120, 120, 120, 120, 120, 120, 120,	CAPC1608X08L	Botto
8	10K	R27, R28, R29, R30, R31, R50, R51, R136	Resistor 120, 120, 120, 120, 120, Resistor, 120,	RESC1608X06L	Botto
8	2.2K	R12, R13, R14, R15, R16, R33, R44, R45	120 120, Resistor, 120,	RESC1608X06L	Botto
	33 39	R3, R5, R68, R69, R70, R71, R72, R73 R82, R83, R84, R85, R95, R96, R97, R133	120, 120, 120, 120, 120 Resistor	RESC1608X06L RESC1608X06L	Botto
	27- 21SURC/S530-		SMD Red led right angle mount	27-21	
	A3	D9, D10, D11, D12, D17, D18, D25, D26, D35	2V@20ma 57mcd	EVERLIGHT	Botto
	1.5nF	C57	Capacitor	CAPC1608X08L	Тор
1	100	R106	Resistance	RESC1608X06N	Top
	10uF X5R	C34	Capacitor	CAPC1608X08L	Тор
	270K	R140	Resistor	RESC1608X06L	Тор
	47K	R132	Resistor	RESC1608X06L	Тор
	51pF	C64	Capacitor	CAPC1608X08L	Тор
1	6.8K	R127	Resistor	RESC1608X06L	Тор
1	680K	R125	Resistor	RESC1608X06L	Тор
1	820	R131	Resistor	RESC1608X06L	Тор
	Alstron R3190005-021-		USB connector	ASTRON	L
1	R	X3	Micro B 1 x 6 pins	3190005-X21-R	Тор
1	Con1x6	x2	USB/Charger and	MHDR1X6	Тор
1	FAN3988	U23	Over Voltage Detection Device IR Receiver	MLP 1.45X1MM	Тор
			Module (38 kHz) for Remote		L
1	IRM-3638T	U20	Control Systems 350mW Audio Power Amplifier with Shutdown	IR-receiver	Тор
1	LM4819M	U25	Mode 1 MHz, 85 μA	M08A_N	Тор
1			Quad Op Amp, 14-		

			Power Amplifier		
1	LM4819M	U25	with Shutdown Mode	M08A_N	Ton
1	FINIHOTOINI	023	1 MHz, 85 μA	IVIUOA_IV	Тор
			Quad Op Amp, 14- Pin TSSOP,		
			Extended		
I,	MACRELOAT		Temperature		
1	MCP6L04T- E/ST	US	Range, Tape and Reel	TSSOP-ST14_N	Тор
				_	
			Stand-Alone System Load		
			Sharing and Li-		
			Ion/Li-Polymer		
			Battery Charge Management		
			Controller, 4.2V, 20	1	
1	MCP73871- 2CAI/ML	U21	Pin QFN, Industrial Temperature	QFN-ML20_N	Тор
	MicroSD-				-,-
	Astron 5190008-XA4-		MicroSD Card connector 5190008	Actron 5100009-	
1	R	S1	XA4-R	XA4-R	Тор
			MMA7660FC: XYZ- AXIS		
			ACCELEROMETER	DFN50P300X300	
1 1	MMA7660FC	U1	±1.5 g	X100-12N	Тор
	NCP15XH103F		Thermistors - NTC		
	03RC	RT1	10K OHM 1% 0402	RESC1005X04L	Тор
			General Purpose		
			16-Bit Flash		
			Microcontroller with USB On-The-		
			with USB On-The- Go, 128KB Flash,		1
			16KB SRAM, 64-Pin		
,	PIC24FJ128GB1 06-I/PT	U19	TQFP, Industrial	TOEP_PT64 N	Ton
1	Speaker	LS1	Temperature Loudspeaker	TQFP-PT64_N PIN2	Top Top
	SW-PB	S2	Switch	FSMRA2JH	Тор
			Omnidirectional		Ė
			Back Electret Condenser	MICRO_TD4015B	
1	TD4015BPN	MC1	Microphone	PN	Тор
2	180	R107, R137	Resistor	RESC1608X06L	Тор
	1nF	C53, C54	Capacitor	CAPC1608X08L	Тор
	1uF	C56, C61	Capacitor	CAPC1608X08L	Тор
2	5.6K	R115, R116	Resistor Schottky Barrier	RESC1608X06L	Тор
2	BAT54S	D33, D34	Double Diode	SOT23_N	Тор
2	BT5050RGBC- T180	D27, D38	\$0.027/2000k	LEDSMD5	Тор
			8-Bit Serial-		ľ
			Input/Serial or Prallel-Output Shift		
			Register with		
2	MC74HC595A DTR2	HIA LINC	Latched 3-State	0.405.01.11	
	100nF	U14, U16	Outputs Capacitor	948F-01_N CAPC1608X08L	Top
- 21	200111	C1, C3, C6, C10, C11, C12, C13, C23, C24, C27, C29, C33, C35, C36, C37, C38, C39, C62, C65, C66, C67	Capacitoi	CAPCIOUDAUGE	Тор
20	BC817-40	Q5, Q6, Q8, Q9, Q10, Q11, Q13, Q14, Q15, Q16, Q17, Q18, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39,	NPN General-	COT22 N	Ton
	1.5K	Q40, Q41, Q42, Q43, Q44, Q45, Q46 R26, R46, R47	purpose Transistor 120	RESC1608X06L	Top Top
3	z.orc	TEG, (10), (11)	SMD Blue led right	NESCIOUNOUE	ТОР
	1		angle mount	27 21 5	
	27-21/00/0				i .
3	27-21/BHC- AN1P2/3C	D8, D31, D37	3.3V@20ma 28mcd	27-21 Everlight Blue	Тор
3	AN1P2/3C 27-	DR, D31, D37	28mcd SMD Red led right	Blue	Тор
	AN1P2/3C		28mcd SMD Red led right angle mount	Blue 27-21	
3	AN1P2/3C 27- 21SURC/S530-	D7, D32, D36	28mcd SMD Red led right	Blue	Тор
3	AN1P2/3C 27- 21SURC/S530- A3 47nF		28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low	Blue  27-21  EVERLIGHT  CAPC1608X08L	
3	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG-	D7, D32, D36 CS8, CS9, C60	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current,	27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-	Тор
3	AN1P2/3C 27- 21SURC/S530- A3 47nF	D7, D32, D36	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard -	27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-	Тор
3	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG- 7	D7, D32, D36 CS8, CS9, C60	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LD ED standard - CMS Helios SMD	27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-	Тор
3 3	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG-	D7, D32, D36 CS8, CS9, C60	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard -	27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-	Тор
3 3 3 4	AN1P2/3C 27- 21SURC/SS30- A3 47nF AP7331-33WG- 7 APTD1608CGC K	D7, D32, D36 C58, C59, C60 U18, U22, U24	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N	Тор Тор Тор
3 3 3 4	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG- 7 APTD1608CGC K 10uF	D7, D32, D36 C58, C59, C60 U18, U22, U24 D28, D29, D30	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N DIOC1608X08N	Тор Тор Тор
3 3 3 4	AN1P2/3C 27- 21SURC/SS30- A3 47nF AP7331-33WG- 7 APTD1608CGC K	D7, D32, D36 C58, C59, C60 U18, U22, U24 D28, D29, D30	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard CMS Helios SMD Green 570nm 230mcd	Blue  27-21 EVERLIGHT  CAPC1608X08L  SOT95P285X100-5N  DIOC1608X08N  CAPC1608X08L	Тор Тор Тор
3 3 4 4	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG- 7 APTD1608CGC K 10uF 19- 21SURC/S530- A3/TR8	D7, D32, D36 C58, C59, C60 U18, U22, U24 D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5	28mcd SMD Red led right angle mount 20/@20ma 57mcd Capacitor 300mA, Low Quiescent Current, East Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 20/@20ma 56 mcd 120, 120, 120,	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N DIOC1608X08N CAPC1608X08N DIOC1608X08N	Top Top Top Top Top
3 3 4 4	AN1P2/3C 27- 21SURC/S530- A3 47nF  AP7331-33WG- 7  APTD1608CGC K 10uF 19- 21SURC/S530-	D7, D32, D36 C58, C59, C60 U18, U22, U24 D28, D29, D30 C2, C4, C31, C46	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor  SMD Red 0603 2V@20ma 56 mcd	Blue  27-21 EVERLIGHT  CAPC1608X08L  SOT95P285X100-5N  DIOC1608X08N  CAPC1608X08L	Тор Тор Тор Тор
3 3 3 4 4 4	AN1P2/3C 27- 21SURC/5530- A3 47nF AP7331-33WG- 7 APTD1608CGC K 10uF 19- 21SURC/5530- A3/TR8 1K 22K	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 2/@20ma 56 mcd 120, 120, Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08N DIOC1608X08N RESC1608X06L RESC1608X06L	Тор Тор Тор Тор Тор Тор Тор
3 3 3 4 4 4 4	AN1P2/3C 27- 215URC/5530- A3 47nF  AP7331-33WG- 7  APTD1608CGC K 10uF 19- 215URC/5530- A3/TR8 1K 22K 100K	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46  D1, D3, D4, D5 R25, R46, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159	28mcd SMD Red led right angle mount 2v@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2v@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L SOTION STATE DIOC1608X08N CAPC1608X08N DIOC1608X08N RESC1608X06L RESC1608X06L RESC1608X06L	Top Top Top Top Top Top Top Top
3 3 3 4 4 4 4 5 6	AN1P2/3C 27- 27- 27- 27- 27- 27- 27- 27- 27- 27-	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R11, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2V@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0799P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6	AN1P2/3C 27- 27- 21SURC/S530- A3 47nF APT331-33WG- 7 APTD1608CGC K 10uF 19- 21SURC/S530- A3/TR8 1K 22K 100K 39 6.2	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46  D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R66, R87, R88, R89, R134 R36, R37, R39, R40, R54, R55	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Gapacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2/@20ma 56 mcd L20, 120, 120, Resistor 120, 120, 120, Resistor Resistor Resistor Resistor 120	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6	AN1P2/3C 27- 27- 27- 27- 27- 27- 27- 27- 27- 27-	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R11, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134	28mcd SMD Red led right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2V@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0799P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 7	AN1P2/3C 227-21SURC/S530-A3 A70rE  AP7331-33WG-77 APTD1608CGC K 10uF 19- 21SURC/S530-A3/TR8 1K 22K 100K 39 6-2 4.7uF	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R38, R89, R134 R86, R37, R38, R49, R34, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2/@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor Resistor Resistor Resistor LO Capacitor LO	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N DIOC1608X08N CAPC1608X08N RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 7	AN1P2/3C 27- 215URC/S530- A3 47nF AP7331-33WG- 7 APTD1608CGC K IOUF 19- 215URC/S530- A3/TR8 1K 22K 1000K 99 6.2 4.7uF	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R36, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50	28mcd SMD Red Ider dight angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 2W@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor Resistor Everlight Opto Interrupter Everlight Opto Interrupter Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08N DIOC1608X08N RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L RESC1608X06L CAPC1608X06L CAPC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 7	AN1P2/3C 227-21SURC/S530-A3 A70rE  AP7331-33WG-77 APTD1608CGC K 10uF 19- 21SURC/S530-A3/TR8 1K 22K 100K 39 6-2 4.7uF	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R38, R89, R134 R86, R37, R38, R49, R34, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Capacitor Guisseent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 2/@20ma 56 mcd L20, 120, 120, Resistor 120, 120, 120, 120, Resistor L20 Capacitor Resistor L20 Capacitor Resistor L20 Capacitor Resistor Resistor L20 Capacitor Resistor Resistor Resistor L20 Capacitor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N DIOC1608X08N CAPC1608X08N RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 6 7 7 8	AN1P2/3C 227-21SURC/S530-A3 A70rE  AP7331-33WG-77 APTD1608CGC K 10uF 19- 21SURC/S530-A3/TR8 1K 22K 100K 39 6-2 4.7uF	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R38, R89, R134 R86, R37, R38, R49, R34, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12	28mcd SMD Red Ider dight angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 2W@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor Resistor Everlight Opto Interrupter Everlight Opto Interrupter Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L SOT95P285X100-5N DIOC1608X08N CAPC1608X08N DIOC1608X08N RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 7 7 8 8 8	AN1P2/3C 227-21SURC/S530-A3 A70-F APT01608CGC K 10uF 19-21SURC/S530-A3/TR8 1K 22K 100K 39 6.2 4.7uF ITR9909 10K	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R89, R89, R134 R86, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12 R101, R102, R109, R110, R117, R118, R128, R129 R88, R99, R100, R135, R147, R148, R149, R150 R67, R92, R93, R94, R142, R144, R145, R146	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 220mcd Capacitor SMD Red 0603 2/@20ma 56 mcd Capacitor 120, 120, 120, 120, Resistor 120, 120, 120, 120, Resistor 120 Capacitor Led Standard - Led Standard - Led Standard - Led Standard - Capacitor Led Capacitor Led Capacitor Led Capacitor Led Capacitor Leveright Opto Interrupter Resistor Resistor Resistor, 120, 120, Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L	Top
3 3 3 4 4 4 4 5 6 6 7 7 8 8 8	AN1P2/3C 27- 21SURC/S530- A3 47nF AP7331-33WG- 7 APTD1608CGC K IOUF 19- 21SURC/S530- A3/TR8 1K 22K 1000K 39 62 4.7uF ITR9909 10K	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R11, R43, R130 R11, R43, R130 R11, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R36, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12 R101, R102, R109, R110, R117, R118, R128, R129 R98, R99, R100, R135, R147, R148, R149, R150	28mcd SMD Red Ided right angle mount 2V@20ma 57mcd Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 230mcd Capacitor SMD Red 0603 2W(@20ma 56 mcd 120, 120, 120, Resistor Resistor Resistor Resistor Everlight Opto Interrupter Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L	Тор
3 3 3 4 4 4 4 5 6 6 7 7 8 8 8	AN1P2/3C 227-21SURC/S530-A3 A70-F APT01608CGC K 10uF 19-21SURC/S530-A3/TR8 1K 22K 100K 39 6.2 4.7uF ITR9909 10K	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R89, R89, R134 R86, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12 R101, R102, R109, R110, R117, R118, R128, R129 R88, R99, R100, R135, R147, R148, R149, R150 R67, R92, R93, R94, R142, R144, R145, R146	28mcd SMD Red led right angle mount 2/@20ma 57mcd Capacitor Capacitor 300mA, Low Quiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570nm 220mcd Capacitor SMD Red 0603 2/@20ma 56 mcd Capacitor 120, 120, 120, 120, Resistor 120, 120, 120, 120, Resistor 120 Capacitor Led Standard - Led Standard - Led Standard - Led Standard - Capacitor Led Capacitor Led Capacitor Led Capacitor Led Capacitor Leveright Opto Interrupter Resistor Resistor Resistor, 120, 120, Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L	Тор
3 3 3 4 4 4 4 5 6 6 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AN1P2/3C 27- 21SURC/SS30- A3 47nF  AP7331-33WG- 7  APTD1608CGC K IOUF 19- 21SURC/SS30- A3/TR8  1K 22K 1000K 39 6.2 4.7uF ITR9909 10K  APTD1608SYC  A	D7, D32, D36 C58, C59, C60 U18, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R13, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R36, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12 R101, R102, R109, R100, R115, R17, R148, R129, R150 R67, R92, R93, R94, R142, R144, R145, R146 R56, R58, R60, R62, R78, R79, R80, R81	28mcd SMD Red Ided right angle mount 2V@20ma 57mcd Capacitor Capacitor 300mA, Low Quiescent Current, Fast Transient LDO IED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 2V@20ma 56 mcd 120, 120, 120, Resistor 120, 120, 120, Resistor 120, 120, 120, Resistor 120, 120, 120, Resistor Resistor 120, 120, 120, Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L	Top
3 3 3 3 4 4 4 4 5 6 6 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AN1P2/3C 272 SURC/S530- A3 47nF  AP7331-33WG- 77  APT01608CGC K  10uF 19- 121SURC/S530- A3/TR8  1K 22K 100K 39 6.2 4.7uF  ITR9909 10K 56	D7, D32, D36 C58, C59, C60 U18, U22, U24  U28, U22, U24  D28, D29, D30 C2, C4, C31, C46 D1, D3, D4, D5 R25, R48, R49, R108 R11, R42, R43, R130 R138, R139, R141, R143, R159 R66, R86, R87, R88, R89, R134 R86, R37, R89, R89, R134 R86, R37, R39, R40, R54, R55 C32, C44, C45, C47, C48, C49, C50 U6, U7, U8, U9, U10, U11, U12 R101, R102, R109, R110, R117, R118, R128, R129 R88, R99, R100, R135, R147, R148, R149, R150 R67, R92, R93, R94, R142, R144, R145, R146	28mcd SMD Red led right angle mount 20/@20ma 57mcd Capacitor Capacitor Guiescent Current, Fast Transient LDO LED standard - CMS Helios SMD Green 570m 230mcd Capacitor SMD Red 0603 20/@20ma 56 mcd 120, 120, 120, Resistor 120, 120, 120, Resistor Resistor Everlight Opto Interrupter Resistor	Blue 27-21 EVERLIGHT CAPC1608X08L S0795P285X100-5N DIOC1608X08N CAPC1608X08L DIOC1608X08N RESC1608X06L	Тор

