

No.	Model	Spec.	Quan	Code
Tantalum Capacitance				
1	0805	1P	4	C1,C3,C62,C64
2	0805	22P	8	C16,C18,C28,C30,C35,C37,C47,C50
3	0805	220P	12	C11,C12,C19,C20,C31,C32,C33,C34
				C45,C46,C53,C54
4	0805	0.01UF	16	C7,C8,C9,C10,C21,C23,C24,C26
				C39,C40,C41,C42,C55,C56,C57,C58
5	0805	0.1UF	4	C13,C14,C51,C52
6	0805	1UF	8	C15,C17,C27,C29,C36,C38,C48,C49
7	0805	**	8	C2,C4,C5,C6,C59,C60,C61,C63
Tantalum Capacitance				
8	C Type	10UF/16V	3	C22,C43,C44
9	C Type	10UF/25V	2	C25,C65
Resitance (•)				
10	0805	1K	4	R12,R15,R39,R42
11	0805	330	4	R13,R16,R38,R41
12	0805	0	4	R24,R25,R29,R30
13	0805	100	4	R3,R4,R50,R51
14	0805	200	8	R5,R6,R17,R18,R36,R37,R48,R49
15	0805	30	4	R7,R8,R46,R47
16	0805	4.3K	4	R9,R10,R44,R45
17	1206	0	6	R19,R20,R21,R33,R34,R35
18	1206	100	3	R26,R27,R28
19	1206	180	8	R22,R23,R31,R32,R55,R56,R60,R61
20	1206	300	4	R1,R2,R52,R53
21	1206	150	8	R11,R14,R40,R54,R57,R58,R59•R43
Inductance				
21	22NH	FHW0805UC022JGB	12	L3,L4,L5,L6,L7,L8,L9,L10,L11•L12,L13,L14
22	Inductance	0.5-2-1T	4	L1,L2,L15•L16
14	Inductance	•0.8	1	L17 (15mm, with 7mm magnet ring)
23	Amplifer	NGA-186	4	A1,A2,A7,A8
24	Diode	LDDH5	4	A3,A4,A5,A6
25	Amplifer	LM358	4	U1,U2,U7,U8
26	Collator	LM393	4	U3,U4,U5,U6
27	Potentiometer	3224•20K	4	VR1,VR2,VR11,VR12
28	Potentiometer	3224.200•	4	VR3,VR5,VR8,VR10
29	Potentiometer	3224,1K	4	VR4,VR6,VR7,VR9
30	Optical Receive Unite	FID3Z1KX	4	
31	Connector•2.54mm	4*1 pin socket with lock	2	J11,J12
32	Cable Connector	SMA-KHD	1	
33	Diode	IN5847	4	D1,D2•D3,D4

34	PCB	RS-8194R-5001PC/2	1	8194RAA.PCB
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No.	Model	Spec.	Quan	Code
Capacitance				
1	0805	1P	1	C3
2	0805	2.5P	1	C4
3	0805	39P	5	C12,C8,C5,C11,C6
4	0805	100P	1	C1
5	0805	470P	4	C10,C7,C13,C9
6	0805	0.1UF	3	C16,C15,C2
Tantalum Capacitance				
7	C Type	10UF/25V	1	C14
8	B Type	2.2UF/35V	1	C17
Resistance••)				
9	0805	0	1	R9
10	0805	5	1	R3
11	0805	10	1	R6
12	0805	30	1	R11
13	0805	50	1	R12
14	0805	510	2	R13,R5
15	0805	270	1	R14
16	0805	820	2	R4,R1
17	0805	1K	3	R10,R8,R7
18	0805	2K	1	R2
19	Diode	IN5847B	1	D1
20	Collator	LM393	1	IC1
21	Adjustable Manostat	LM317	1	IC2
22	Inductance	0.5-2-1T	1	L1
23	Inductance	•0.8	1	L7 (15mm, with 7mm magnet ring)
24	Potentiometer	3224•1K	1	VR3
25	Potentiometer	3224•5K	1	VR2
26	Potentiometer	3224•10K	1	VR1
27	Optical Sent Unite	NDL7408P1K	1	
28	PCB	RS-819STT-5001PC	1	819INTOP.PCB

No.	Model	Spec.	Quan	Code
Capacitance				
1	0805	33P	3	C44,C43,C2
2	0805	56P	2	C48,C11
3	0805	68P	2	C54,C19
4	0805	100P	5	C42,C21,C7,C9,C41
5	0805	200P	4	C47,C3,C17,C50
6	0805	220P	4	C52,C37,C25,C16
7	0805	1000P	2	C49,C12
8	1206	1000P	2	C51,C5
9	0805	0.01UF	21	C59,C58,C56,C53,C46,C45,C38,C36,C35,C23,C20
				C34,C33,C31,C28,C15,C14,C8,C6,C4,C1
10	0805	0.1UF	2	C55,C18
11	0805	1U	2	C40,C39
Tantalum Capacitance				
12	1206	1UF/25V	1	C10,C57
13	C Type	10UF/25V	5	C60,C26,C24,C22,C13
Resistance•••				
14	0805	0	2	R1,R66
15	0805	27	16	R21,R20,R19,R22,R23,R24,R25,R84,R83,R82,R81
				R78,R77,R79,R80,R26
16	0805	300	2	R60,R6
17	0805	430	4	R65,R7,R2,R68
18	0805	560	4	R61,R59,R9,R8
19	0805	R*	2	R64,R63
20	0805	1.6K	4	R70,R69,R12,R10
21	0805	1.8K	2	R57,R46
22	0805	100K	4	R72,R56,R31,R16
23	0805	200K	4	R51,R41,R44,R54
24	0805	240	4	R87,R86,R33,R32
25	0805	680	2	R73,R4
26	0805	1K	18	R91,R90,R76,R62,R58,R55,R49,R48,R47,R45,R38
27	1206	100	2	R39,R36
28	1206	0	2	R40,R53
29	0805	2K	6	R93,R88,R17,R14,R30,R71
30	0805	5k	2	R75,R27
31	0805	6.8K	2	R89,R34
32	0805	10K	6	R85,R52,R50,R42,R35,R29
33	0805	1M	4	R92,R74,R28,R18

No.	Model	Spec.	Quan	Code
34	22NH	FHW0805UC022JGB	2	L9 ,L10
35	33NH	FHW0805UC033JGB	2	L12 ,L5
36	470NH	FHW0805UC470JGB	2	L11 ,L2
37	0805	1UH	2	L8 ,L1
38	Inductance	•0.8	1	L7 (15mm, with 7mm magnet ring)
39	Potentiometer	VR-3224,1K	2	VR3,VR2
40	Potentiometer	VR-3224,10K	2	VR4,VR1
41	Manostat	78L05	2	W1,W2
42	Diode	HSMP3814	4	D2 ,D3 ,D7 ,D6
43	Diode	HSMS2850	4	D5 ,D1 ,D3 ,D4
44	Amplifer	LM358	4	IC5 ,IC4 ,IC3 ,IC1
45	Audion	41586	2	A2 ,A3
46	Amplifer	AH102	2	AMP1 •AMP2
47	PCB	RS-5180MD-5001PC/2	1	918MADA1A.PCB

No.	Model	Spec.	Quan	Code
Capacitance				
1	0805	22P	4	C30,C21,C15,C11
2	0805	68P	2	C35,C32
3	0805	100P	4	C51,C50,C47,C12
4	0805	220P	4	C33,C25,C20,C13
5	0805	0.01UF	10	C34,C9,C8,C7,C6,C5,C4,C3,C2,C1
6	0805	0.1UF	5	C46,C27,C26,C17,C16
7	0805	1UF	6	C31,C29,C22,C18,C14,C10
8	1206	1UF	2	C24,C19
Tantalum Capacitance, C Type				
9	can replaced by 10uF/25V	10UF/16V	2	C23,C28
Resistance•••				
10	0805	18	4	R24,R19,R14,R12
11	0805	100	2	R5,R2
12	0805	300	8	R23,R22,R21,R20,R15,R13,R11,R10
13	0805	10K	2	R16,R1
14	1206	180	8	R18,R17,R9,R8,R7,R6,R4,R3
Inductance				
15	22NH	FHW0805UC022JGB	3	L1,L11,L10
16	33NH	FHW0805UC033JGB	3	L13,L12,L2
17	Inductance	•0.8	1	L7 (15mm, with 7mm magnet ring)
18	Manostat	7805	2	W2,W1
19	Amplifer	NGA-589	2	Q2,Q1
20	Amplifer	(not used at moment)	2	A2,A1 (can replaced by 1206-0•)
21	Attenuator	AA101-80	2	D2,D1
22	PCB	RS-5180MU-5001PC/3	1	819MURF2.PCB

No.	Model	Spec.	Quan	Code
1	Resistance	1206-200•	3	R2•R4•R6
2	Resistance	1206-100•	3	R1•R3•R5
3	Capacitance	0805-1.5p	5	C7•C8•C9•C10•C11
4	Capacitance	0805-3p	4	C3•C4•C5•C6
5	Inductance	•0.41*•2.2*1T	4	L1•L2•L3•L4
6	Inductance	•0.5*•2.2*2T	2	L5,L9
7	Inductance	•0.5*•2.2*4T	2	L6•L8
8	Inductance	•0.5*•2.2*5T	1	L7
9	PCB	RS-5180PD4-5001PC	1	5180PD4.PCB

No.	Model	Spec.	Quan	Code
1	Resistance	0805-150•	4	R1•R2•R3•R4
2	Diode	LDDH5	4	
3	Connector•2.54mm	4*1 pin socket with lock	1	
4	PCB	JS-INTINT-5001PC	1	5180LED.PCB

No.	Model	Spec.	Quan	Code
1	DB25	pin socket	1	
2	Connector•2.54mm	4*1 pin socket with lock	1	
3	PCB	RS-5180MINT-5001PC/1	1	MINT2.PCB

No.	Model	Spec.	Quan	Code
1	Resistance	0805-10K•	6	
2	Switch	Black	1	
3	PCB	RS-STEPUS-5001PC	1	

No.	Model	Spec.	Quan	Code
1	Flashboard	DB25	5	J1•J2•J3•J4•J6
2	Flashboard	DB37	1	J5
3	Connector•2.54mm	4*1 pin socket with lock	1	INT
4	PCB	RS-5180INT-5001PC/2	1	5180INT3.PCB



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