

RSTM4805R1 BOM LIST

Model No. : RSTM4805R1

Schematic No. : R12TU0109EJ

Date : 2020/11/11

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	L1	Inductor	Würth Electronics	74404064331	1
2	C46, C47	Capacitor (C0603)	Murata	GRM033R61A103KA01D	2
3	C20, C25, C29	Capacitor (C0603)	Taiyo Yuden	EMK063BJ224KP-F	3
4	C17	Capacitor (C0603)	Murata	GRM0335C1H101GA01D	1
5	C7, C50, C51, C54, C55	Capacitor (C0603)	Murata	GRM033R71E102KA01D	5
6	C21, C26, C30	Capacitor (C0603)	Taiyo Yuden	UMK063B7471KP-F	3
7	C2, C3, C63, C65, C66, C69, C72, C73, C76, C77	Capacitor (C0603)	Murata	GRM0335C1H100JA01D	10
8	C5, C6, C8, C10, C11, C12, C14, C16, C18, C19, C27, C28, C34, C38, C49, C57, C58, C81	Capacitor (C1005)	Murata	GRM155B31C104K	18
9	C23, C79	Capacitor (C1005)	Murata	GRM155B11E103K	2
10	C24	Capacitor (C1005)	Murata	GRM155B11E682K	1
11	C61, C64, C71, C75	Capacitor (C1608)	TDK	CGA3E2X7R1E104K080AA	4
12	C48, C59	Capacitor (C1608)	Murata	GRM188R61C106KAALD	2
13	R48	Resistor (R1005)	KOA	RK73H1ETTP4702F	1
14	C22, C56, C60, C70, C74	Capacitor (C1608)	TDK	CGA3E3X5R1E105K080AB	5
15	C33, C37, C41, C45	Capacitor (C1608)	AVX	06035A221FAT2A	4

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No.	Reference	Description	Manufacturer	PartNumber	Qty
16	C39, C40, C42	Capacitor (C1608)	KEMET	C0603C332F5GACTU	3
17	C43, C44, C53	Capacitor (C1608)	AVX	06035A331FAT2A	3
18	C62	Capacitor (C1608)	TDK	CGA3E2C0G2A681J080AA	1
19	C52	Capacitor (C1608)	YAGEO	CC0603FRNPO9BN820	1
20	C1	Capacitor (C2012)	TDK	CGA4J2X7R2A104K125AA	1
21	C32	Capacitor (C2012)	KEMET	C0805C334K3RACTU	1
22	C15	Capacitor (C2012)	TDK	C2012X7S2A105K125AE	1
23	C4	Capacitor (C2012)	TDK	CGA4J1X7R1E475K125AC	1
24	C31	Capacitor (C3216)	TDK	C3216X7R1E106K160AB	1
25	U3	Comparator	STMicroelectronics	TS332IQ2T	1
26	C13	Electrolytic capacitor	Nichicon	UHE1J330MED	1
27	C9, C67, C68, C78	Electrolytic capacitor	Nichicon	URS1J101MPD	4
28	D3	LED	Rohm	SML-310DTT86	1
29	U9	RDC IC	Renesas	RAA3064002GFP	1
30	U4	MCU	Renesas	R5F524TAADFM#31	1
31	U7	Regulator	TI	LM5017SD/NOPB	1
32	U2	Transceiver	Renesas	ISL3156EIUZ-T7A	1
33	U5, U6	Schmitt Trigger Buffer	TI	SN74LVC3G17DCUR	2
34	U1	High-Side Current Sense Amplifier	Maxim	MAX4080TAUA+T	1
35	D1, D4	Diode	Diodes Incorporated	SBRT20M60SP5-7	2
36	Q1, Q2, Q3, Q4	MOSFET	Vishay	SQJB90EP-T1_GE3	4
37	R89, R90, R91, R92,	Resistor (R0603)	Panasonic	ERJ1GE0R00C	16
38	R16, R17	Resistor (R0603)	Panasonic	ERJ1GNF22R0C	2
39	R51, R52, R55, R56	Resistor (R1005)	KOA	RK73H1ETTP1000F	4
40	R10	Resistor (R1608)	KOA	RK73H1JTTD1200F	1
41	R22, R23, R26, R27, R32, R33	Resistor (R0603)	Kamaya	RMC1/20-331JPA	6
42	R1, R2, R4, R9, R41	Resistor (R0603)	Rohm	MCR006YZPF1002	5

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No.	Reference	Description	Manufacturer	PartNumber	Qty
43	R3, R5, R7, R8, R18, R24, R25, R28, R29, R34, R35	Resistor (R0603)	Panasonic	ERJ1GEF4701C	11
44	R21, R57, R59	Resistor (R0603)	KOA	RK73B1HTTC474J	3
45	R36, R49	Resistor (R1005)	KOA	RK73H1ETTP1R00F	2
46	R14, R45, R105, R106, R107, R108, R109	Resistor (R1005)	KOA	RK73H1ETTP1003F	7
47	R15, R67, R70, R73, R76, R79, R82, R85, R88	Resistor (R1005)	KOA	RK73H1ETTP1002F	9
48	R40	Resistor (R1005)	KOA	RK73H1ETTP1502F	1
49	R43, R44	Resistor (R1005)	KOA	RK73H1ETTP2002F	2
50	R13	Resistor (R1005)	KOA	RK73H1ETTP2202F	1
51	R39	Resistor (R1005)	KOA	RK73H1ETTP2001F	1
52	R37, R38	Resistor (R1005)	KOA	RK73H1ETTP3901F	2
53	R12	Resistor (R1005)	KOA	RK73H1ETTP3302F	1
54	R60	Resistor (R1005)	Vishay	CRCW04024R70FKEDHP	1
55	R20, R42	Resistor (R1005)	KOA	RK73H1ETTP4701F	2
56	R50	Resistor (R1005)	KOA	RK73H1ETTP4302F	1
57	R19	Resistor (R1005)	KOA	RK73H1ETTP4702F	1
58	D7, D12, D13, D14, D15, D16, D17, D18	Diode	Rohm	RF05VAM1STR	8
59	R46	Resistor (R1005)	KOA	RK73H1ETTP6801F	1
60	R54	Resistor (R1005)	KOA	RK73H1ETTP6202F	1
61	R61, R63, R64, R65	Resistor (R1608)	TE Connectivity	CPF0603B51RE1	4
62	R6	Resistor (R3216)	Panasonic	ERJ8CWFR010V	1
63	R53, R58	Resistor (R3216)	Panasonic	ERJ8CWFR020V	2

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No.	Reference	Description	Manufacturer	PartNumber	Qty
64	SW1	Switch	Alps	SKRPABE010	1
65	U10, U11, U12, U13	Gate driver	TI	UCC27282DRCT	4
66	U8	Regulator	TI	UA78M05CDCYR	1
67	X1	Xtal 20MHz	Epson	X1E000021058112	1
68	R47,R62, R68, R71, R74, R77, R80, R83, R86	Resistor (R1005)	KOA	RK73H1ETTP1000F	9
69	R66, R69, R72, R75, R78, R81, R84, R87	Resistor (R1005)	KOA	RK73H1ETTP15R0F	8
70	R31	Resistor (R1005)	KOA	RK73H1ETTP2701F	1
71	R30	Resistor (R1005)	KOA	RK73H1ETTP2402F	1
72	R110	Resistor (R1005)	KOA	RK73Z1ETTP	1
73	R111, R112	Resistor (R1608)	KOA	RK73Z1JTDD	2

Unmounted

74	R11, R113	Resistor (R1608)	-	-	-
75	A+, A-, B+, B-	Through hole	-	-	-
76	J1		-	-	-
77	J3		-	-	-
78	J4,J5,J6		-	-	-
79	J2		-	-	-
80	J8		-	-	-
81	C35, C36	Capacitor (C1608)	-	-	-
82	C80	Capacitor (C1005)	-	-	-
83	J7		-	-	-

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No.	Reference	Description	Manufacturer	PartNumber	Qty
84	D2		-	-	-