

RX66T-DigitalPowerConversion(UPS) BUS Board BOM List

Ver.	Content	Board Name		Schematic No	DATE
1.00	First edition	RX66T-DigitalPowerConversion(UPS) BUS Borard (P13178-C0-001)		R01TU0430EJ	2022/8/8
No.	Name of articles	Model	Part number	Manufacture	QTY For 1 Module
1	TERM SCREW M3 4 PIN PCB	7770	TB1,TB2,TB3,TB4,TB5,TB6,TB7,TB8,TB9,TB10,TB11,TB12,TB13,TB14,TB15,TB16,TB17,TB18,TB19,TB20,TB21,TB22,TB23,TB24,TB25,TB26,TB27,TB28	Keystone Electronics	28
2	CONN HEADER VERT SGL 2POS GOLD	961102-6404-AR	JP1	3M	1
3	SWITCH TOGGLE SPDT VERT	ATE1D-2M3-10-Z	SW1,SW2	Copal Electronics Inc	2
4	CONN HEADER XH TOP 3POS 2.5MM	B3B-XH-A(LF)(SN)	CN1	JST	1
5	CAP CER C1608 50V 10%	GRM188B31H104K	C5,C6,C8,C9,C10	MURATA	5
6	CAP CER 10UF 35V X5R 0805	C2012X5R1V106K125AC	C7	TDK Corporation	1
7	CAP ALUM 100UF 20% 35V SMD	EEE-FN1V101XP	C3,C4	Panasonic Electronic Components	2
8	CAP ALUM 4.7UF 20% 400V RADIAL	ECA-2GM4R7	C1,C2	Panasonic Electronic Components	2
9	DIODE SWITCHING FAST 1A 600V SMA	ES1J-LTP	D1,D3,D4,D5	Micro Commercial Co	4
10	IC REG LDO 5V 1.5A D2PAK	L7805CD2T-TR	U1	STMicroelectronics	1
11	TEST POINT PC MINI 0.8D BLACK	LC-33-G BLACK	TPG1,TPG2,TPG3,TPG4	MAC8	4
12	TEST POINT PC MINI 0.8D RED	LC-33-G RED	TP1,TP2	MAC8	2
13	TEST POINT PC MINI 0.8D WHITE	LC-33-G WHITE	TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22	MAC8	20
14	IC OFFLINE SWITCH MULT TOP 8SO	LNK306DG-TL	U2	Power Integrations	1
15	Character LED Display Module Red 7-Segment 1 Character Common Anode 2V 20mA	LTS-4802BJR-H1	E1	Lite-On	1
16	Shift Shift Register 1 Element 8 Bit 14-SOIC	MC74HC164ADR2G	U3,U5	onsemi	2
17	CONN JUMPER SHORTING .100 GOLD"	QPC02SXGN-RC	JS1	Sullins Connector Solutions	1
18	RES SMD R1608 0.1W 1%	RK73H1JTTD1001F	R13,R14,R15	KOA	3
19	RES SMD R1608 0.1W 1%	RK73H1JTTD1002F	R16,R17	KOA	2
20	RES SMD R1608 0.1W 1%	RK73H1JTTD1302F	R4	KOA	1
21	RES SMD R1608 0.1W 1%	RK73H1JTTD2001F	R3	KOA	1
22	RES SMD R1608 0.1W 1%	RK73H1JTTD3301F	R1	KOA	1
23	RES SMD R2125 0.125W 5%	RK73B2ATTD151J	R5,R6,R7,R8,R9,R10,R11,R12	KOA	8
24	RES SMD 8.2 OHM 5% 2W 2512	CRM2512-JW-8R2ELF	R2	Bourns Inc.	1
25	CONN HEADER 2.54MM 40POS GOLD	SBH11-PBPC-D20-ST-BK	CN4	Sullins Connector Solutions	1
26	CONN HEADER 2.54MM 40POS GOLD	SBH11-PBPC-D20-ST-BK	CN2	Sullins Connector Solutions	1
27	CONN HEADR FMALE 40POS .1 DL AU"	SFH11-PBPC-D20-ST-BK	CN3,CN5,CN6	Sullins Connector Solutions	3
28	LED 570NM GREEN WTR CLR 0805 SMD	SML-210MTT86	LED1,LED2,LED3	Rohm Semiconductor	3
29	FIXED IND 1MH 500MA 1.65 OHM SMD	SRRI208-102KL	L1,L2	Bourns Inc	2
30	DIODE SCHOTTKY 1A 60V SMA	SS16-LTP	D2	Micro Commercial Co	1
31	T6211B_RX66T_CPU_CARD	T6211B_RX66T_CPU_CARD	CPU1	DTL	1
32	IC PWR DRIVER N-CHAN 1:1 18SOP	TBD62381AFWG,EL	U4	Toshiba Semiconductor and Storage	1
33	SPACER	VAD-310	SP1,SP2,SP3	HIROSUGI	3
34	MOUNTER	WVS-2-1.6-M3	GL1,GL2,GL3,GL4,GL5,GL6	MAC8	6

RX66T-DigitalPowerConversion(UPS) ACDC Board BOM List

Ver.	Content	Board Name		Schematic No	DATE
1.00	First edition	RX66T-DigitalPowerConversion(UPS) ACDC Board (P13178-C0-002)		R01TU0430EJ	2022/8/8
No.	Name of articles	Model	Part number	Manufacture	QTY For 1 Module
1	TERM SCREW M3 4 PIN PCB	7770	TB6,TB7,TB8,TB9	Keystone Electronics	4
2	CONN QC TAB 0.250 SOLDER	63862-1	TB1,TB2,TB3,TB4,TB5	TE Connectivity AMP Connectors	5
3	ICL 5 OHM 20% 5A 13MM	B57211P0509M351	TH1	EPCOS - TDK Electronics	1
4	DIODE ARRAY GP 100V 215MA SC70-3	BAV99W-AU_R1_000A1	D4,D5,D6,D7,D8	Panjit International Inc.	5
5	CAP CER 10UF 25V X5R 0603	GRM188R61E106MA73J	C33,C34	Murata Electronics	2
6	CAP CER C1608 50V 5%	GRM1882C1H101J	C14,C20,C21	MURATA	3
7	CAP CER C1608 50V 10%	GRM188B31H104K	C11,C23,C26,C30	MURATA	4
8	CAP CER C1608 50V 5%	GRM1882C1H330J	C19,C24,C25	MURATA	3
9	CAP CER NC	*****	C6,C13,C15,C28,C29	*****	5
10	CAP CER 2200PF 250VAC RADIAL	DE2E3KY222MN3AM02F	C1,C2,C3	Murata Electronics	3
11	CAP FILM 0.47UF 5% 630VDC RADIAL	ECW-FD2J474J	C8,C32	Panasonic Electronic Components	2
12	CAP FILM 0.1UF 10% 450VDC RADIAL	ECW-FD2W104KB	C22	Panasonic Electronic Components	1
13	CAP FILM 2.7UF 5% 450VDC RADIAL	ECW-FD2W275J	C4	Panasonic Electronic Components	1
14	VARISTOR 390V 3.5KA DISC 10.5MM	ERZ-E08A391	ZNR1	Panasonic Electronic Components	1
15	DCL	FAA106B-07 x 2-90T	L1,L2	Furukawa Electronic	2
16	BRIDGE RECT 1PHASE 600V 6A GBU	GBU6J	D3	onsemi	1
17	IC GATE DRVR LOW-SIDE 8SOIC	ISL89410IBZ	U1	Renesas Electronics America Inc	1
18	TEST POINT PC MINI 0.8D BLACK	LC-33-G BLACK	TPG1,TPG2,TPG3,TPG4	MAC8	4
19	CAP FILM 2200PF 5% 50VDC RADIAL	QYX1H222JTP	C7,C9,C10,C12,C16,C17,C18,C27,C31	Nichicon	9
20	RES SMD R1608 0/1A	RK73Z1JTTD	R18	KOA	1
21	RES SMD R1608 0.1W 1%	RK73H1JTTD1000F	R17,R42,R43,R45	KOA	4
22	RES SMD R1608 0.1W 1%	RK73H1JTTD1002F	R6,R7,R27,R35,R37	KOA	5
23	RES SMD R1608 0.1W 1%	RK73H1JTTD1102F	R44	KOA	1
24	RES SMD R1608 0.1W 1%	RK73H1JTTD1801F	R12,R19,R20	KOA	3
25	RES SMD R1608 0.1W 1%	RK73H1JTTD2000F	R10,R21,R22	KOA	3
26	RES SMD R1608 0.1W 1%	RK73H1JTTD2001F	R15,R16,R28,R29,R30,R31	KOA	6
27	RES SMD R1608 0.1W 1%	RK73H1JTTD2002F	R13,R14,R23,R24,R25,R26	KOA	6
28	RES SMD R1608 0.1W 1%	RK73H1JTTD2202F	R40,R41	KOA	2
29	RES SMD R1608 0.1W 1%	RK73H1JTTD5101F	R36	KOA	1
30	RES SMD R1608 DNP	*****	R11,R38,R39	*****	3
31	RES SMD R2125 0.125W 5%	RK73B2ATTD220J	R2,R3	KOA	2
32	RES SMD R2125 0.125W 1%	RK73H2ATTD1003F	R32,R33,R34	KOA	3
33	RES 330K OHM 1% 1/4W 0805	RK73H2ATTD3303F	R46,R47,R48,R49,R50,R51,R52,R53	KOA Speer Electronics, Inc.	8
34	RES 100M OHM 1% 1/2W 1206	UR73V2BTDR100F	R4,R5,R8	KOA Speer Electronics, Inc.	3
35	RES 240K OHM 1W 5% 2512 SMD	ERJ-1TYJ244U	R1,R9	Panasonic - ECG	2
36	MSIG CMOS DUAL OPAMP HI-SPEED TS	READ2302GSP#GC3	U2,U3	Renesas	2
37	IGBT 650V 20A 55W TO-3PFM	RJP65T43DPM-00#T1	Q1,Q2	Renesas Electronics	2
38	DIODE GEN PURP 600V TO220FP	RJU6054TDPP-AJ#T2	D1,D2	Renesas Electronics America Inc	2
39	CONN HEADER R/A 40POS 2.54MM	SBH11-PBPC-D20-RA-BK	CN1	Sullins Connector Solutions	1
40	CMC 5.95UH 4A 2LN TH	SU9HD-40006	L3	KEMET	1
41	Test Land	***	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24	***	24
42	CAP ALUM 100UF 20% 350V RADIAL	UCS2V101MHD	C5	Nichicon	1

RX66T-DigitalPowerConversion(UPS) DCDC Board BOM List

Ver.	Content	Board Name	Schematic No	DATE
1.00	First edition	RX66T-DigitalPowerConversion(UPS) DCDC Board (P13178-C0-003)	R01TU0430EJ	2022/8/8

No.	Name of articles	Model	Part number	Manufacture	QTY For 1 Module
1	TERM SCREW M3 4 PIN PCB	7770	TB3,TB4,TB5,TB6	Keystone Electronics	4
2	CONN QC TAB 0.250 SOLDER	63862-1	TB1,TB2	TE Connectivity AMP Connectors	2
3	DIODE ARRAY GP 100V 215MA SC70-3	BAV99W-AU_R1_000A1	D2,D3,D4	Panjit International Inc.	3
4	CAP CER 10UF 25V X5R 0603	GRM188R61E106MA73J	C1,C14,C15	Murata Electronics	3
5	CAP CER C1608 50V 5%	GRM1882C1H101J	C8	MURATA	1
6	CAP CER C1608 50V 10%	GRM188B31H104K	C2,C10,C12,C13	MURATA	4
7	CAP CER C1608 50V 5%	GRM1882C1H330J	C9	MURATA	1
8	CAP CER NC	*****	C6	*****	1
9	CAP FILM 0.1UF 10% 450VDC RADIAL	ECW-FD2W104KB	C3	Panasonic Electronic Components	1
10	DIODE SWITCHING FAST 1A 600V SMA	ES1J-LTP	D1	Micro Commercial Co	1
11	ジャンパー線(2.54mm)	JR-1	JP1	MAC8	1
12	TEST POINT PC MINI 0.8D BLACK	LC-33-G BLACK	TPG1,TPG2,TPG3,TPG4	MAC8	4
13	FIXED IND 600UH	***	L1	***	1
14	IC GATE DRVR HALF-BRIDGE 8SOIC	NCV5183DR2G	U1	onsemi	1
15	MOSFET N-CH 650V 30A TO220FP	NTPF110N65S3HF	Q1,Q2	onsemi	2
16	CAP FILM 2200PF 5% 50VDC RADIAL	QYX1H222JTP	C5,C7,C11	Nichicon	3
17	RES SMD R1608 0.1W 1%	RK73H1JTTD4R70F	R2	KOA	1
18	RES SMD R1608 0.1W 1%	RK73H1JTTD22R0F	R1	KOA	1
19	RES SMD R1608 0.1W 1%	RK73H1JTTD1000F	R17	KOA	1
20	RES SMD R1608 0.1W 1%	RK73H1JTTD1002F	R5,R6	KOA	2
21	RES SMD R1608 0.1W 1%	RK73H1JTTD1503F	R11,R12	KOA	2
22	RES SMD R1608 0.1W 1%	RK73H1JTTD1801F	R9	KOA	1
23	RES SMD R1608 0.1W 1%	RK73H1JTTD2000F	R10	KOA	1
24	RES SMD R1608 0.1W 1%	RK73H1JTTD3001F	R13,R14	KOA	2
25	RES SMD R1608 0.1W 1%	RK73H1JTTD5101F	R18,R19	KOA	2
26	RES SMD R1608 0.1W 1%	RK73H1JTTD7502F	R15	KOA	1
27	RES SMD R1608 DNP	*****	R7,R16	*****	2
28	RES SMD R2125 2A	RK73Z2ATTD	R21	KOA	1
29	RES SMD R2125 0.125W 5%	RK73B2ATTD220J	R3,R4	KOA	2
30	RES SMD R2125 0.125W 5%	RK73B2ATTD513J	R20	KOA	1
31	RES SMD R2125 0.125W 1%	RK73H2ATTD1003F	R22,R23,R24	KOA	3
32	RES 0.01 OHM 1% 1W 1206	ERJ-8CWFR010V	R8	Panasonic Electronic Components	1
33	MSIG CMOS DUAL OPAMP HI-SPEED TS	READ2302GSP#GC3	U2	Renesas	1
34	CONN HEADER R/A 40POS 2.54MM	SBH11-PBPC-D20-RA-BK	CN1	Sullins Connector Solutions	1
35	Test Land	***	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24,TP25,TP26,TP27	***	27
36	CAP ALUM 100UF 20% 350V RADIAL	UCS2V101MHD	C4	Nichicon	1

RX66T-DigitalPowerConversion(UPS) DCAC Board BOM List

Ver.	Content	Board Name	Schematic No	DATE
1.00	First edition	RX66T-DigitalPowerConversion(UPS) DCAC Board (P13178-C0-004)	R01TU0430EJ	2022/8/8

No.	Name of articles	Model	Part number	Manufacture	QTY For 1 Module
1	TERM SCREW M3 4 PIN PCB	7770	TB3,TB4,TB5,TB6	Keystone Electronics	4
2	CONN QC TAB 0.250 SOLDER	63862-1	TB1,TB2	TE Connectivity AMP Connectors	2
3	DIODE ARRAY GP 100V 215MA SC70-3	BAV99W-AU R1.000A1	D3,D4,D5	Panjit International Inc.	3
4	CAP CER 10UF 25V X5R 0603	GRM188R61E106MA73J	C1,C3,C21,C22	Murata Electronics	4
5	CAP CER C1608 50V 5%	GRM1882C1H101J	C12,C16	MURATA	2
6	CAP CER C1608 50V 5%	GRM1882C1H102J	C18,C19	MURATA	2
7	CAP CER C1608 50V 10%	GRM188B31H104K	C2,C4,C15,C17,C20	MURATA	5
8	CAP CER C1608 50V 5%	GRM1882C1H330J	C14	MURATA	1
9	CAP CER NC	*****	C8	*****	1
10	CAP CER 0.22UF 450V X7T 1210	CGA6M4X7T2W224K200AA	C5,C6	TDK Corporation	2
11	CAP FILM 0.1UF 10% 450VDC RADIAL	ECW-FD2W104KB	C9	Panasonic Electronic Components	1
12	DIODE SWITCHING FAST 1A 600V SMA	ES1J-LTP	D1,D2	Micro Commercial Co	2
13	ジャンパー線(2.54mm)	JR-1	JP1,JP2	MAC8	2
14	TEST POINT PC MINI 0.8D BLACK	LC-33-G BLACK	TPG1,TPG2,TPG3,TPG4	MAC8	4
15	L	***	L1	***	1
16	IC GATE DRVR HALF-BRIDGE 8SOIC	NCV5183DR2G	U1,U2	onsemi	2
17	CAP FILM 2200PF 5% 50VDC RADIAL	QYX1H222JTP	C7,C11,C13	Nichicon	3
18	RES SMD R1608 0.1W 1%	RK73H1JTTD4R70F	R2,R5	KOA	2
19	RES SMD R1608 0.1W 1%	RK73H1JTTD22R0F	R1,R4	KOA	2
20	RES SMD R1608 0.1W 1%	RK73H1JTTD1000F	R23,R25,R29	KOA	3
21	RES SMD R1608 0.1W 1%	RK73H1JTTD1002F	R10,R11,R12,R13,R24	KOA	5
22	RES SMD R1608 0.1W 1%	RK73H1JTTD1102F	R28	KOA	1
23	チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD1801F	R16	KOA	1
24	RES SMD R1608 0.1W 1%	RK73H1JTTD2000F	R15	KOA	1
25	RES SMD R1608 0.1W 1%	RK73H1JTTD2001F	R21,R22	KOA	2
26	RES SMD R1608 0.1W 1%	RK73H1JTTD2002F	R19,R20	KOA	2
27	RES SMD R1608 0.1W 1%	RK73H1JTTD2202F	R26,R27	KOA	2
28	RES SMD R1608 0.1W 1%	RK73H1JTTD5101F	R30	KOA	1
29	RES SMD R1608 DNP	*****	R3,R14,R17	*****	3
30	RES SMD R2125 0.125W 1%	RK73H2ATTD1003F	R39,R40,R41	KOA	3
31	RES 330K OHM 1% 1/4W 0805	RK73H2ATTD3303F	R31,R32,R33,R34,R35,R36,R37,R38	KOA Speer Electronics, Inc.	8
32	RES 100M OHM 1% 1/2W 1206	UR73V2BTDR100F	R18	KOA Speer Electronics, Inc.	1
33	RES SMD R3216 0.25W 5%	RK73B2BTDD220J	R6,R7,R8,R9	KOA	4
34	MSIG CMOS DUAL OPAMP HI-SPEED TS	READ2302GSP#GC3	U3	Renesas	1
35	MOSFET N-CH 600V 5A TO220FP	RJK5035DPP-E0#T2	Q1,Q2,Q3,Q4	Renesas Electronics America Inc	4
36	CONN HEADER R/A 40POS 2.54MM	SBH11-PBPC-D20-RA-BK	CN1	Sullins Connector Solutions	1
37	AEC-Q100, 420-V ISOLATED HALL-EF	TMCS1107A4BQDRQ1	U4	Texas Instruments	1
38	Test Land	***	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24	***	24
39	CAP ALUM 100UF 20% 350V RADIAL	UCS2V101MHD	C10	Nichicon	1