

T2005B 48V low voltage inverter 部品表									
Ver.	Content			Making			Approval	DATE	Drawing number
2.00	First edition issue			Maeda			Sakamoto	2017/4/24	P05701-C1-026_V200
									Desktop lab Ltd.
No.	Ver.	Name of articles	Model	Specification	Part number		Name of maker	QTY FOR 1 MODULE	Remarks / Comments from Digykey
1		PC TEST POINT MINIATURE SMT	5015	非実装	TP1,TP2,TP3		Keystone Electronics	3	
2		IC REG LDO 3.3V 1A TO252-3	BA33BC0FP-E2	DPAK	U2		Rohm	1	
3		DIODE SW DBL 75V 150MA HS SOT323	BAV99W,115	SC-70	D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16,D17,D18		NXP Semiconductors	14	
4		DIODE SCHOTTKY 90V 1.5A DO214AC	BYS12-90-E3/TR	SMA_DO-214AC	D3		Vishay Semiconductor Diodes Division	1	
5		積層セラミックコンデンサ(C1608_50V_5%)	GRM1882C1H101J	C1608/100pF/50V/J	C21,C23,C25		MURATA	3	
6		積層セラミックコンデンサ(C1608_50V_5%)	GRM1882C1H102J	C1608/1000pF/50V/J	C13,C26		MURATA	2	
7		積層セラミックコンデンサ(C1608_50V_5%)	GRM1882C1H102J	非実装	C30,C31,C32		MURATA	3	
8		積層セラミックコンデンサ(C1608_50V_10%)	GRM188B31H104K	C1608/0.1uF/50V/K	C4,C9,C14,C15,C16,C17,C18,C19,C27,C28,C29		MURATA	11	
9		積層セラミックコンデンサ(C1608_50V_10%)	GRM188B11H223K	C1608/22000pF/50V/K	C10		MURATA	1	
10		積層セラミックコンデンサ(C1608_50V_5%)	GRM1882C1H330J	C1608/33pF/50V/J	C20,C22,C24		MURATA	3	
11		積層セラミックコンデンサ(C1608_50V_10%)	GRM188B11H392K	C1608/3900pF/50V/K	C6		MURATA	1	
12		積層セラミックコンデンサ(C1608_50V_10%)	GRM188B11H472K	C1608/4700pF/50V/K	C8,C39,C40,C41,C42,C43,C44		MURATA	7	
13		積層セラミックコンデンサ(C2125_25V_10%)	GRM21BB31E475K	C2125/4.7uF/25V/K	C3		MURATA	1	
14		CAP CER 0.1UF 100V 10% X7R 0805	C2012X7R2A104K125AA	C2125/0.1uF/100V/K	C11		TDK Corporation	1	
15		積層セラミックコンデンサ(C3216_25V_10%)	GRM31MB11E105KA01L	C3216A/1.0uF/25V/K	C33,C34,C35		MURATA	3	
16		CAP CER 10UF 25V 10% X5R 1206	GRM319R61E106KA12D	C3216A/10uF/25V/K	C36,C37,C38		Murata	3	
17		CAP CER 4.7UF 100V 10% X7S 1210	C3225X7S2A475K200AB	C3225/4.7uF/100V/K	C45,C46,C47,C52,C53,C54,C55		TDK Corporation	7	
18		CAP ALUM 22UF 100V 20% SMD	EEE-2AA220UP	CE83/22uF/100V	C12		Panasonic Electronic Components	1	
19		IC COMPARATOR 2-CHANNEL MMPAK-8	HA1631D03MM	TSSOP8/MMPAK8	U7		RENESAS	1	
20		PC TEST POINT TIN SMD	HK-4-S	非実装	TPG1,TPG2,TPG3,TPG4,TPG5,TPG6,TPG7,TPG8		MAC8	8	
21		MOSFET N-CH 75V 240A D2PAK	IRFS7730-7PPBF	TO-263-7	Q1,Q2,Q3,Q4,Q5,Q6		International Rectifier	6	
22		IC DRIVER HI/LO SIDE 600V 8-SOIC	IRS2186SPBF	SO8	U8,U9,U10		International Rectifier	3	
23		IC REG LDO 5V 1.5A D2PAK	L7805CD2T-TR	D2PAK_78	U1		STMicroelectronics	1	
24		IC REG BUCK ADJ 1A 14TSSOP	LM5010AMHE/NOPB	MXA14A	U3		Texas Instruments	1	
25		2POS SIL VERTICAL SMT HEADER	M20-8770246	SMD	JP85		Harwin Inc	1	
26		3POS SIL VERTICAL SMT HEADER	M20-8770342	SMD	JP3,JP4,JP11,JP21		Harwin Inc	4	
27		CAP ALUM 1000UF 63V 20% SMD	MAL214699814E3	CE180/1000uF/63V	C48,C49,C50,C51		Vishay	4	
28		表面実装用(ジャンパー)	MJ-0.2	SMD	JP1,JP6,JP7,JP8,JP9,JP10,JP12,JP13,JP14,JP15,JP16,JP17,JP18,JP19,JP20,JP22,JP23,JP24,JP25,JP26,JP27,JP28,JP29,JP30,JP31,JP33,JP35,JP36,JP37,JP38,JP39,JP40,JP41,JP42,JP43,JP44,JP45,JP46,JP47,JP51,JP52,JP53,JP54,JP55,JP56,JP57,JP58,JP59,JP60,JP61,JP62,JP63,JP64,JP65,JP66,JP67,JP68,JP69,JP70,JP71,JP72,JP86,JP90,JP93,JP94		MAC8	65	
29		表面実装用(ジャンパー)	MJP-0.6	SMD	JP32,JP34,JP120,JP121,JP122,JP123,JP124,JP125,JP126,JP127,JP128		MAC8	11	
30		THERMISTOR 15K OHM NTC 0603 SMD	NCP18XW153J03RB	R1608/15kohm/25deg	TH1		Murata Electronics North America	1	
31		表面実装用電源端子	PV-4	SMD	TB1,TB2,TB3,TB4,TB5,TB6,TB7,TB8,TB9,TB10		MAC8	10	
32		チップ抵抗(R1608_1/10W_5%)	RK73Z1JTDD	R1608_A/0/1A	JP5,JP50,JP114,JP115,JP116,JP117,JP118,JP119		KOA	8	
33		チップ抵抗(R1608_1/10W_1%)	RK73H1JTDD1000F	R1608/100/0.1W	R10,R15,R19,R23,R28		KOA	5	
34		チップ抵抗(R1608_1/10W_1%)	RK73H1JTDD1001F	R1608/1.0k/0.1W	R3,R57,R58,R59,R75,R76,R77		KOA	7	
35		チップ抵抗(R1608_1/10W_1%)	RK73H1JTDD1002F	R1608/10k/0.1W	R9,R12,R16,R20,R24,R27		KOA	6	
36		チップ抵抗(R1608_1/10W_1%)	RK73H1JTDD1203F	R1608/120k/0.1W	R5		KOA	1	

T2005B 48V low voltage inverter 部品表									
Ver.	Content			Making			Approval	DATE	Drawing number
2.00	First edition issue			Maeda			Sakamoto	2017/4/24	P05701-C1-026_V200
									Desktop lab Ltd.
No.	Ver.	Name of articles	Model	Specification	Part number		Name of maker	QTY FOR 1 MODULE	Remarks / Comments from Digykey
37		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD1801F	R1608/1.8k/0.1W	R39,R42,R44		KOA	3	
38		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD1802F	R1608/18k/0.1W	R7,R29		KOA	2	
39		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD2000F	R1608/200/0.1W	R41,R43,R45		KOA	3	
40		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD2001F	R1608/2.0k/0.1W	R17,R18,R21,R22,R25,R26,R36		KOA	7	
41		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD2002F	R1608_A/20k/0.1W	R30,R31,R32,R33,R34,R35		KOA	6	
42		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD2201F	R1608/2.2k/0.1W	R6		KOA	1	
43		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD3002F	R1608/30k/0.1W	R8,R11		KOA	2	
44		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD4700F	R1608/470/0.1W	R4,R14,R37,R38,R40		KOA	5	
45		チップ抵抗(R1608 1/10W 1%)	RK73H1JTTD5101F	R1608/5.1k/0.1W	R2		KOA	1	
46		チップ抵抗(R2125 1/8W 5%)	RK73Z2ATTD	R2125B/0/2A	JP48,JP49		KOA	2	
47		チップ抵抗(R3216 1/4W 5%)	RK73Z2BTDD	R3216/0/2A	R49,R50		KOA	2	
48		チップ抵抗(R3216 1/4W 5%)	RK73Z2BTDD	R3216B/0/2A	JP82,JP83,JP84,JP87,JP88,JP89,JP91,JP92,JP105,JP108,JP109,JP110,JP111,JP112,JP113		KOA	15	
49		チップ抵抗(R3216 1/4W 5%)	RK73B2BTDD822J	R3216/8.2k/0.25W	R78,R79		KOA	2	
50		RES SMD 0.0 OHM JUMPER 1/2W 1210	RMCF1210ZT0R00	R3226/0/0.5W	R60,R61,R62,R67,R69,R71		Stackpole	6	
51		RES SMD 0.0 OHM JUMPER 1/2W 1210	RMCF1210ZT0R00	非実装	R51,R52,R53,R72,R73,R74		Stackpole	6	
52		RES 0.001 OHM 1W 1% 1210 SMD	PMR25HZPFV1L00	R3226/1m/1.0W	R1		Rohm Semiconductor	1	
53		RES 2.2 OHM 1/2W 5% 1210 SMD	ERJ-14YJ2R2U	R3226/2.2/0.5W	R54,R55,R56		Panasonic Electronic Components	3	
54		RES SMD 82 OHM 5% 1/2W 1210	ERJ-14YJ820U	R3226/82/0.5W	R63,R64,R65,R66,R68,R70		Panasonic Electronic Components	6	
55		RES SMD 0.0 OHM JUMPER 2/3W 2010	RC5025J000CS	R5025B/0/2A	JP2,JP73,JP74,JP75,JP76,JP77,JP78,JP79,JP80,JP81,JP95,JP96,JP97,JP98,JP99,JP100,JP101,JP102,JP103,JP104,JP106,JP10		Samsung	22	
56		RES SMD 10K OHM 1% 1W 2512	ERJ-1TYF103U	R6432B/10k/1W	R13,R46,R47,R48		Panasonic - ECG	4	
57		DIODE SCHOTTKY 40V 1A SOD-123	RB160MM-40TR	PMDU	D25,D26,D27,D28,D29,D30,D31,D32,D33,D34,D35,D36		Rohm Semiconductor	12	
58		IC OPAMP DUAL TSSOP8	READ2302GSP	TSSOP8/MMPAK8	U4,U5,U6		RENESAS	3	
59		CONN HEADER XH SMD 3POS 2.5MM	S3B-XH-SM4-TB(LF)(SN)	SMD	CN1		JST Sales America Inc	1	
60		CONN HEADR 2.54MM 20POS GOLD SMD	SBH11-NBPC-D10-SM-BK	SMD	CNA,CNB		Sullins Connector Solutions	2	
61		LED 660NM RED WTR CLR 0805 SMD	SML-210LTT86	LED 660NM RED WTR CLR 0805 SMD	D37		Rohm Semiconductor	1	
62		LED 570NM GREEN WTR CLR 0805 SMD	SML-210MTT86	LED 570NM GREEN WTR CLR 0805 SMD	D2		Rohm Semiconductor	1	
63		INDUCTOR POWER SHIELD 100UH SMD	SRN8040-101M	SMD	L1		Bourns Inc.	1	
64		DIODE SCHOTTKY 1A 60V SMAE	SS16E-TP	SMA DO-214AC	D1,D4,D19,D20,D21,D22,D23,D24		Micro Commercial Co	8	
65		CAP 100UF 35V ELECT WT SMD	UWT1V101MCL1GS	CE66/100uF/35V	C1,C2,C5,C7		Nichicon	4	
66		RES .001 OHM 9W 1% 3921 SMD	WSLP39211L000FEB	WSLP3921A/1m/9W	R80,R81,R82		Vishay	3	
67									
68									
69									
70									