

REFPDT007-EVK-001B Parts List



Control PCB

No.	Device	Symbol	Parts Number	Manufacture	Values	Package Size
1	Condenser Ceramic	C28,C40,C41,C42,C46,C47,C50,C73	GRM188B11H102KA01	MURATA	1000p 50V ±10%	S 1608
2	Condenser Ceramic	C29,C36,C37,C38	GRM188R71E105KA12	MURATA	1μ 25V ±10%	S 1608
3	Condenser Ceramic	C30,C31,C32,C33,C34,C35,C39,C44,C48,C52,C54,C55,C56,C57	GRM188B31H104KA92	MURATA	0.1μ 50V ±10%	S 1608
4	Ceramic Condenser	C43,C51	C-S1608	MURATA	TBD	S 1608
5	Condenser Ceramic	C45,C49	GRM1851X1H222JA44	MURATA	2200p 50V ±5%	S 1608
6	Condenser Ceramic	C53,C58,C59	GRM185B31E105MA12	MURATA	1μ 25V ±20%	S 1608
7	Chemical Condenser	C60,C61,C62,C63,C64,C69	ELX2350ELL101MF15D	NIPPON CHEMI-CON	100μ 35V ±20%	D D6.3x15
8	Film Condenser	C65	ECQE6103KF	Panasonic	0.01μ 630V ±10%	D 12x4.5x7.5
9	Chemical Condenser	C66	ELX2100ELL681MF15D	NIPPON CHEMI-CON	680μ 10V ±20%	D D8x11.5
10	Ceramics Condenser	C67,C68,C72	GRM188R71E104KA01	MURATA	0.1μ 50V ±10%	S 1608
11	Film Condenser	C70	ECQE6104KF	Panasonic	0.1μ 630V ±10%	D 18.5x6.3x14
12	Ceramics Capacitor	C71	DE1E3KX102MA4BN01	MURATA	1000p 250VAC ±20%	D 6x4x9
13	Ceramics Condenser	C74	GRM188B11H103KA01	MURATA	10000p 50V ±10%	S 1608
14	Connector	CN2	S3B-EH	JST	3A, 3pin	DIP
15	Connector Pinheader Side	CN3	PH-1x10RG2	Useconn	10P Side	D 25.4x10.61x2.54
16	Connector	CN4	B5B-PH-K-S	JST	5pin	DIP
17	Connector	CN5	S4B-EH	JST	4pin	DIP
18	Test Point	CP9,CP10,CP11,CP12	HOT-2608B	HIROSUGI	Black	D 2.5x1.75
19	Diode	D13,D14,D15,D16,D17	SBR1U150A-13	DIODES	150V, 1A	S 4.3x2.6x2.2
20	Diode	D18	EG01C	SANKEN	1000V, 0.5A	D
21	3Terminal Regulator	IC2	NJM78L05UA	NJRC	12V 500mA	S 4.5x2.5x1.5
22	Pinheader 1x4P	J8	PH-1x045G	Useconn	Pin header 1x4P	D 10.16x2.54x8.5
23	Connector	J9	PH-2x085G	Useconn Electronics	Pin header 2x8P	DIP
24	Connector Socket	J10,J11,J12	FHU-2x45G	Useconn Electronics	3A, 8pin,female	D 10.16x5.08x8.5
25	Connector Header	J13	PH-2x045G	Useconn Electronics	2x4P	D 10.16x5.08x8.5
26	Connector Header	J14	PH-2x095G	Useconn Electronics	18P(2x9)	D 22.86x5.08x8.5
27	CPU Module	MJ4	PC089-01-00-50P	PAT	36pin	D 28x40x28
28	Photocoupler	PC1	PS2501L-1	NEC	1ch, 80V,50mA	S 6.5x4.6x3.6
29	Transistor	Q7,Q8,Q9,Q10,Q11,Q12	2SC3325	TOSHIBA	50V,0.5A	SMD
30	Resistor	R25,R42,R43,R45,R47,R49,R50,R51,R52,R54,R56,R57,R58,R59,R60,R65,R66,R67,R68,R69,R70,R71,R72,R73,R74,R75,R76,R77,R78,R79,R80	RK73B1JTTD103J	KOA	10K 1/10W ±5%	S 1608
31	Resistor	R26,R44,R48,R53,R61,R62,R63	RK73B1JTTD472J	KOA	4.7K 1/10W ±5%	S 1608
32	Resistor	R27	RK73B1JTTD102J	KOA	1K 1/10W ±5%	S 1608
33	Resistor	R28,R30,R31,R34,R35,R38,R40,R41,R46,R55	RK73B1JTTD101J	KOA	100Ω 1/10W ±5%	S 1608
34	Resistor	R29,R32,R33,R36,R37,R39	RK73B1JTTD271J	KOA	270Ω 1/10W ±5%	S 1608
35	Resistor	R64	RK73B1JTTD104J	KOA	100K 1/10W ±5%	S 1608
36	Resistor	R81,R92	MOSX1C1R0J	KOA	1Ω, 1W ±1%	φ3x9L
37	Resistor	R82	MCR03EZP332	ROHM	3.3kΩ, 1/10W ±5%	SMD
38	Resistor	R83	MCR03EZP1103	ROHM	10kΩ, 1/10W ±5%	SMD
39	Resistor	R84	MOSX1C334J	KOA	330kΩ, 1W ±5%	DIP
40	Resistor	R85,R86,R89,R90	MCR10EZP1105	ROHM	1MΩ, 1/10W ±5%	SMD
41	Resistor	R87	MCR03EZP1102	ROHM	1kΩ, 1/10W ±5%	SMD
42	Resistor	R88	MCR03EZP1152	ROHM	1.5kΩ, 1/10W ±5%	SMD
43	Resistor	R91	MCR03EZP1101	ROHM	100Ω, 1/10W ±5%	SMD
44	Resistor	R93	MCR03ERTJ302	ROHM	3kΩ, 1/10W ±5%	SMD
45	Resistor	R94	MCR03EZP334	ROHM	330kΩ, 1/10W ±5%	SMD
46	Transformer	T2	TR10P	PAT	--	DIP
47	IC	U5,U6	TC4069UBF	TOSHIBA	6 CMOS Inverter	SMD
48	IC	U7,U8	NJM2732M	JRC	Dual RtoR OP-amp	SMD
49	EEPROM	U9	24LC645N	MICROCHIP	EEPROM	S 4.9x3.9x1.75
50	IC	U10	TA48M05F	TOHSIBA	5V, 0.5A LDO	SMD
51	IC	U11	NJM431U	JRC	150mA Shunt regulator	SMD
52	IC	U12	STR-A6079M	SANKEN	Flyback controller 800V, 1.2A	DIP
53	Cermet trimmer	VR1,VR2,VR3	CT-6E-PSKΩ	COPAL	5KΩ 1/2W ±1%	D 7x7x.8
54	Zener Diode	ZD1	UDZS5.1B	ROHM	5.1V, 5mA	SMD

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