

REFPDT007-EVK-001C Parts List



Driver PCB

No.	Device	Symbol	Parts Number	Values	Manufacture	Package Size
1	Ceramic Condenser	C1,C2,C4,C5,C9,C12	GRM188B31H104KA92	0.1 μ 50V \pm 10%	MURATA	S 1608
2	Ceramic Condenser	C3	GRM1851X1H472JA44	4700p 50V \pm 20%	MURATA	S 1608
3	Ceramic Condenser	C6,C7,C8,C10,C11,C13,C14	GRM21BR71E105KA99	1 μ 25V \pm 10%	MURATA	S 2012
4	Diode Switching	D1,D2,D3,D4	1SS355	90V 225mA	ROHM	S 2.5x1.25x0.7
5	Schottky Diode	D5	RB751S-40	30V 30mA	ROHM	S 1608
6	Connector Angle	J1,J3	MB3P-90	250V 3A	JST	D 7.5x2.4x5.3
7	Connector Angle	J2	MB4P-90	250V 3A	JST	D 10x2.4x5.3
8	Connector Top	J4	B4B-XH-A	250V 3A	JST	D 12.4x5.75x7
9	Photo Cuppler	PC1,PC2	TLP700A	35V 3mA	TOSHIBA	S 4.6x6.8x4
10	FET Switching	Q1	SSM3K318T	60V 2.5A	TOSHIBA	S 2.9x1.6x0.7
11	Middle Power Transistor	Q2,Q4	2SCR542P	30V 5A	ROHM	S 4.6x2.6x1.5
12	Middle Power Transistor	Q3,Q5	2SAR542P	30V 5A	ROHM	S 4.6x2.6x1.5
13	Metal glaze Resistor	R1,R3	MCR03ERTJ102	1K 1/10W \pm 5%	ROHM	S 1608
14	Metal glaze Resistor	R2	MCR03ERTJ202	10 Ω 1/10W \pm 5%	ROHM	S 1608
15	Metal glaze Resistor	R4,R5	MCR03ERTJ103	10K 1/10W \pm 5%	ROHM	S 1608
16	Metal glaze Resistor	R6,R7,R8	MCR10ERTJ4R7	4.7 Ω 1/8W \pm 5%	ROHM	S 2012
17	Metal glaze Resistor	R10,R16	MCR03ERTJ331	330 Ω 1/10W \pm 5%	ROHM	S 1608
18	Metal glaze Resistor	R11,R17	MCR03ERTJ470	47 Ω 1/10W \pm 5%	ROHM	S 1608
19	Metal glaze Resistor	R12,R13,R18,R19	MCR18ERTJ200	20 Ω 1/4W \pm 5%	ROHM	S 3216
20	Metal glaze Resistor	R14,R15,R20,R21	MCR18ERTJ4R7	4.7 Ω 1/4W \pm 5%	ROHM	S 3216
21	Metal glaze Resistor	R22,R23	MCR18ERTJ1R0	1 Ω 1/4W \pm 5%	ROHM	S 3216
22	Transformer	T1	TR008A	---	ShinseiDENKI	S 8x13x8
23	Three-terminal Regulator	U1	NJM78L05UA	5V 20mA	JRC	S 4.5x2.5x1.5
24	IC Precision Timer	U2	NE555D	18V 225mA	TI	S 4.9x3.9x1.75

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