



Bill of Materials

Bill of Materials for BOM Document [Gate Driver Board.BomDoc]

Source Data From: Gate Driver Board.BomDoc

Project: Gate Driver Board.PrjPcb

Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
C-0805	2.2u	C-0805	C1, C3, C8, C11	MLCC (2012) 0805 2.2uF 50VDC ±10%	4
C-1206	4.7uF	Cap1206	C2, C9, C10, C18	MLCC (3216) 1206 4.7uF 50VDC ±10%	4
C-0805	100n	C-0805	C4	MLCC (2012) 0805 100nF 50VDC ±10%	1
C-1206	4.7uF	C-1206	C5, C13, C16, C17	MLCC (3216) 1206 4.7uF 50VDC ±10%	4
C-0805	10n	C-0805	C6, C14	MLCC (2012) 0805 10nF 50VDC ±10% X7R	2
C-0805	100n	C-0805	C7, C12, C15	MLCC (2012) 0805 100nF 50VDC ±10%	3
Conn	Connector	Connector	Con1, Con2	PIN HEADER 40PIN(1x40) 2.54mm THT	2
Conn	Connector2_1	Connector2_1	Con3	PIN HEADER 40PIN(1x40) 2.54mm THT	1
Conn	Connector2	Connector2	Con4	PIN HEADER 40PIN(1x40) 2.54mm THT	1
Conn	Connector3	Connector3	Con5	PIN HEADER 40PIN(1x40) 2.54mm THT	1
Conn	Connector2_2	Connector2_2	Con6	PIN HEADER 40PIN(1x40) 2.54mm THT	1
SOD123	1n5819	1N4148W-E3-18	D1	DIODE SCHOTTKY 1A 40V SOD123	1
SOD123	1n5819	1N4148W-E3-18	D2	Diode Small Signal Switching 100V 0.15A	1
WE-	10uH	inductor	L1, L2	ÎNDUCTOR POWER 10UH 2.8X2.8X2.8MM	2
R-0805	0	Res0805	R1, R5, R7, R11	RES.(2012) 0805 0 Ohms 5% 1/8W-S	4
R-2512	10 1w	R-2512	R2, R4, R8, R10	RES.(6432) 2512 5.1 Ohms 5% 1W	4
R-0805	47k	Res0805	R3, R6, R9, R12	RES.(2012) 0805 47K Ohms 5% 1/8W-S	4
FAN3122	IXDN614	IXDN614SITR	U1, U3	IC-614 DRIVER MOSFET/IGBT SOIC8	2
TLP152	TLP152	TLP152(TPL,E	U2, U4	IC-152 PHOTOCOUPLER GATE DRIVE	2
SIP7	R24P21503D	R24P21503D	X1, X2	DC/DC CONV 2W 12VDC +15/-3VDC	2
Approved		Notes	!		46