









Bill of Materials

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Source Data From: Sensor Brushless Driver V1.0.PrjPcb
Project: Sensor Brushless Driver V1.0.PrjPcb
Variant: None

Creation Date: 1/25/2018 3:46:09 PM
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Footprint	Comment	#Column Name En	Designator	Description	Quantity
2.5X4_WIRE PAD	U		P1	Socket	1
2.5X4_WIRE PAD	V		P2	Socket	1
2.5X4_WIRE PAD	W		P3	Socket	1
CAP10x12	470uF		C24, C25	Polarized Capacitor (Radial)	2
CC2012-0805	100nF		C5, C6, C10, C16, C19	Capacitor (Semiconductor SIM Model)	5
CC2012-0805	10nF		C1, C2, C3, C9	Capacitor (Semiconductor SIM Model)	4
CC2012-0805	220nF		C12, C14, C20, C22	Capacitor (Semiconductor SIM Model)	4
CC2012-0805	4.7uF		C4, C7, C15, C17, C23	Capacitor (Semiconductor SIM Model)	5
CC3216-1206	10uF		C8, C13, C18, C21	Capacitor (Semiconductor SIM Model)	4
CR2012-0805	0R		R9, R11	Semiconductor Resistor	2
CR2012-0805	10k		R10, R19, R22, R28	Semiconductor Resistor	4
CR2012-0805	1k		R13, R18, R20, R52, R53, R54, R55, R56	Semiconductor Resistor	8
CR2012-0805	330R		R3, R5, R12, R32, R33, R40	Semiconductor Resistor	6
CR2012-0805	33R		R1, R2, R6, R7, R16, R17, R23, R24, R26, R27, R29, R30	Semiconductor Resistor	12
CR2012-0805	4.7k		R4, R8, R14, R15, R21, R25, R31, R41	Semiconductor Resistor	8
CR6332-2512	10mR		R34, R35, R36, R37, R38, R39, R48, R49, R50, R51	Semiconductor Resistor	10
D2k 7 pin	IRFS7530		Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12		12
D0805	DIR		D23	Typical RED GaAs LED	1
D0805	FUSE		D25	Typical RED GaAs LED	1
D0805	PWM		D22	Typical RED GaAs LED	1
D0805	VCC		D24	Typical RED GaAs LED	1
EIA7343	100uF		C11	Polarized Capacitor (Axial)	1
FUSE	20A Fuse		F1	Fuse	1
SOCKET					
LOCKEDHDR	SIG		P5	Header, 4-Pin	1
4W					
LOCKEDHDR	HALL		P4	Header, 5-Pin	1
5W					
SMA	MBRS120		D1, D2, D5, D6, D7, D8, D9, D12, D13, D14, D15, D16, D19, D20, D21	Schottky Diode	15
SOD-80	1N4148		D3, D4, D10, D11, D17, D18	General Purpose Diode	6
SOP-8	MAX662A		U4, U5	5V to 12V Charge Pump	2
SOP-14	74HC02		U3	Quadruple 2-Input Positive-NOR Gate	1
SOP-24	HIP4086		U2	80V, 500mA, 3-Phase MOSFET Driver80V, 500mA, 3-Phase MOSFET Driver	1
SOP-24	MC33035		U1	80V/2.5A Peak, High Frequency Full	
1	Bridge FET Driver				
xl60(m)	PWR		P6	Header, 2-Pin	1

Approved	Notes