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Part	List	motordriver_bom	For PCB Docume	nt [motordriver.PcbDoc]
Project:		motordriver.PcbDoc motordriver.PrjPCB		
Report Date:	19/03/2014	17:24:09		
Print Date:	19-Mar-14	5:24:19 PM		
_	Comment	LibRef	Footprint	Description
C1, C16 C2, C17	470nF, 25V 4.7uF, 25V	Cap Semi Cap Semi	CAPC1608L CAPC2512L	Capacitor (Semiconductor SIM Model) Capacitor (Semiconductor SIM Model)
C3, C5, C6, C7,	100nF	Cap Semi	CAPC1608L	Capacitor (Semiconductor SIM Model)
C8, C12, C18, C20, C21, C22,				
C23, C27, C29, C30, C31, C32,				
C34, C38, C39, C40, C81, C83				
C4, C19	4.7uF, 10V	Cap Semi	CAPC1608L	Capacitor (Semiconductor SIM Model)
C9, C24, C53, C54, C55, C56,	47uF, 35V	255D157X06R3D2T045	7343	
C57, C58, C59,				
C60, C61, C62, C63, C64				
C10, C25, C42	10uF, 50V	Cap Semi	CAPC3216L	Capacitor (Semiconductor SIM Model)
C11, C26, C45, C46	1nF	Cap Semi	CAPC1608L	Capacitor (Semiconductor SIM Model)
C13, C28, C43, C48, C51	10uF, 6.3V	Cap Semi	CAPC1608L	Capacitor (Semiconductor SIM Model)
C14	10uF, 16V	Cap Semi	CAPC2512L	Capacitor (Semiconductor SIM Model)
C15 C33, C44, C47,	1uF, 25V 1uF, 25V	Cap Semi Cap Semi	CAPC2512L CAPC1608L	Capacitor (Semiconductor SIM Model) Capacitor (Semiconductor SIM Model)
C50				
C35, C49, C52 C36	10nF 22uF, 16V	Cap Semi Cap Semi	CAPC1608L CAPC3216L	Capacitor (Semiconductor SIM Model) Capacitor (Semiconductor SIM Model)
C80, C82	1uF	Cap Semi	CAPC1608L	Capacitor (Semiconductor SIM Model)
D1 D2, D3, D6	DIODE-TRANSIL-GENERIO LED Green	DIODE-TRANSIL-GENERIO LED	DIODE-SMB CD1608-0603	GENERIC TRANSIL LED
D4	LED Yellow	LED	CD1608-0603	LED
D5 Designator1	LED Red Comment	LED	CD1608-0603	LED
F1, F2, F3, F4, F5, F6, F7, F8, F9	Ferrit 0.35R 500mA	Fuse 1	RESC1608L	Ferrit Bead
L1, L2, L3, L4,	68 µH	IHLP-6767GZ-11	IHLP-6767GZ-11	IHLP-6767GZ-11 Low Profile, High Current
L5, L6 MOTOR1, MOTOR2	MC34341	MC34341	MC34341	Inductors MC34341- STECKER90°,8KONT
P1 P2	6WAY_TERMINAL 8WAY_SUR_CONNECTOR	6WAY_TERMINAL 8WAY SUR CONNECTOR	MICROMATCH_6WAY_SE CONNECTOR 8WAY 0.8M	M.
				NI .
P3 P5	5WAY_JST_POWER 6WAY_TERMINAL	5WAY_JST_POWER 6WAY_TERMINAL	TERMINAL_5WAY_35 CONNECTOR 6WAY RA	
			5MM	
P6	8WAY_TERMINAL	8WAY_TERMINAL	CONNECTOR_8WAY_RA_ 5MM	
P7	6+8WAY_SUR_CONNECTO	6+8WAY_SUR_CONNECT	CONNECTOR_6+8WAY_0.	
Q2, Q3, Q4, Q5 Q6, Q7, Q9,	IRFR48Z	IRFR110	TO-252AA_N	HEXFET Power MOSFET
Q10, Q11, Q12,				
Q10, Q11, Q12, Q13, Q14 QE1, QE2	09 18 510 7323	09 18 510 7323	918510x323	Flat Cable Connector (IDC), Low-Profile Ma Header, Angled Solder Pin, 10 Contacts,
Q10, Q11, Q12, Q13, Q14 QE1, QE2				Header, Angled Solder Pin, 10 Contacts, Performance Level 3
Q10, Q11, Q12, Q13, Q14		09 18 510 7323 Res Semi	918510x323 RESC1608L	Header, Angled Solder Pin, 10 Contacts,
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18,				Header, Angled Solder Pin, 10 Contacts, Performance Level 3
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R22, R29, R39, R41, R52	22R	Res Semi Res Semi	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Level 3 Semiconductor Resistor
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R24, R89, R39, R41, R52 R6, R10, R20,	22R	Res Semi	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Level 3 Semiconductor Resistor
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R22, R29, R39, R41, R52 R6, R10, R20, R24 R11, R25	22R 10k 1k 27k	Res Semi Res Semi Res Semi Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Samples Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R22, R29, R39, R41, R52 R6, R10, R20, R24 R11, R25 R12, R26, R34, R36, R50	22R 10k 1k 27k 0R	Res Semi Res Semi Res Semi Res Semi Res Semi Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Samuel
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R22, R29, R39, R41, R52 R6, R10, R20, R24 R11, R25 R12, R26, R34, R36, R50 R13, R27	22R 10k 1k 27k 0R 20mR	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC6332N	Header, Angled Solder Pin, 10 Contacts, Performance Levi Samonductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor
010. 011, 012. 013. 014 OE1. OE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R16, R17, R19, R21, R22, R29, R39, R41, R52, R29, R39, R41, R52 R6, R10, R20, R24, R25, R34, R36, R36, R30 R13, R27 R11, R25 R14, R28, R30, R33, R44, R45, R46, R47, R48, R49	22R 10k 1k 27k 0R 20mR 4.7k	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC6332N RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Samuel
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R16, R17, R19, R22, R29, R41, R82 R41, R42 R41, R42 R41, R43 R49 R41, R43 R49 R41, R43 R49 R41, R43 R41 R41, R43 R41	22R 10k 1k 27k 0R 20mR	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC6332N	Header, Angled Solder Pin, 10 Contacts, Performance Levi Samonductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R18, R22, R29, R31, R32, R33, R35, R46, R37, R32, R31, R32, R31, R32, R31, R32, R31, R32, R33, R35, R42, R33, R33, R35, R42, R33, R33, R33, R33, R33, R33, R33, R3	22R 10k 1k 27k 0R 20mR 4.7k 470R 100R	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor
Q10, Q11, Q12, Q13, Q14 QE1, QE2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R21, R23 R4, R8, R18, R22, R29, R39, R41, R52 R6, R10, R20, R24 R11, R25 R12, R26, R34, R36, R50 R13, R27	22R 10k 1k 27K OR 20mR 4.7K	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Performance Levi Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R7, R9, R15, R7, R9, R15, R16, R17, R19, R21, R23 R22, R29, R39, R41, R32 R8, R10, R20, R39, R41, R32 R8, R10, R20, R39, R41, R32 R81, R34 R81, R34 R81, R35 R81, R35 R81, R35 R81, R35 R83, R83, R83, R84 R89, R80, R81 R85 R89, R80, R81 R85	22R 10k 1k 27k 6R 27k 6R 4.7k 470R 100R 120R 222	Res Semi	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R17, R19, R15, R17, R23, R24, R24, R25, R39, R39, R31, R32, R29, R39, R31, R32, R39, R31, R32, R39, R31, R32, R39, R31, R32, R32, R32, R32, R32, R32, R32, R32	22R 10k 1k 27k 0R 20mR 4.7k 470R 100R 120R 282	Res Semi	RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L RESC1608L	Header, Angled Solder Ph. 10 Contacts, Performance Level 3 Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R7, R9, R15, R7, R9, R15, R16, R17, R19, R21, R23 R22, R29, R39, R41, R32 R8, R10, R20, R39, R41, R32 R8, R10, R20, R39, R41, R32 R81, R34 R81, R34 R81, R35 R81, R35 R81, R35 R81, R35 R83, R83, R83, R84 R89, R80, R81 R85 R89, R80, R81 R85	22R 10k 1k 27k 6R 27k 6R 4.7k 470R 100R 120R 222	Res Semi	RESC1608L	Header, Angled Solder Ph. 10 Contacts, Performance Level 3 Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R16, R17, R17, R21, R23 R21, R23, R36, R36, R36, R36, R36, R36, R36, R3	22R 10k 1k 27K OR 20mR 4.7K 470R 100R 120R 2470R 470R 470R 470R 470R 470R 470R	Res Semi	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor
010, 011, 012, 013, 014 GE1, 0E2 R1, P2, R3, R5, R7, R9, R15, R16, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R16, R17, R19, R16, R17, R19, R16, R17, R19, R16, R19, R22, R29, R31, R32 R41, R33 R41, R33 R41, R35 R4	22R 10k 1k 27k 0R 20mR 4.7k 470R 100R 120R 222 242 4474/_TERMINAL Header 3/22H A3330 MiiG\$239-3.3YMM	Res Semi	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor
010, 011, 012, 013, 014 0E1, 0E2 R1, F2, R2, R7, R7, R9, R15, R16, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R16, R17, R19, R16, R17, R19, R21, R22 R4, R8, R18, R22, R29, R39, R41, R32 R41, R33 R41, R33 R41, R34 R41, R42 R41, R43 R41, R41 R41, R43 R41, R43 R41, R43 R41, R43 R41, R43 R41, R43 R41, R41 R41, R	22R 10k 1k 27k 6R 6R 20mR 4.7k 470R 100R 120R 282 4WAY_TERMINAL Header 3X2H A3830 MICS239-3.3YMM DSPIC33FJ128MC804-E/PI	Res Semi Rus Semi Rus Semi Rus Semi Rus Semi Rus Semi Rus Sumi Rus	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor Semiconductor Resisto
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R9, R16, R16, R16, R17, R16, R16, R17, R17, R17, R17, R17, R17, R17, R17	22R 10k 1k 27k 0R 20mR 4.7k 470R 100R 120R 222 242 4474/_TERMINAL Header 3/22H A3330 MiiG\$239-3.3YMM	Res Semi Res	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Performance Levi Performance Levi Semiconductor Resistor Semiconduct
010, 011, 012, 013, 014 0E1, 0E2 E1, F2, R3, F5, F7, F8, F15, F16, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R19, R19, R19, R19, R19, R19, R19	22R 10k 1k 27k 0R 20mR 4.7k 470R 100R 120R 120R 222 242 44VAY_TERMINAL Header 3X2H AS930 DSPIC33F J128MC804-E/P1 ADM3078E MG3486D	Res Semi Des Semi Res	RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Performance Levi Performance Levi Semiconductor Resistor Semiconduct
010, 011, 012, 013, 014 0E1, 0E2 R1, F2R, R2, R2, R1, F2R, R1, F3R, F3R, F3R, F3R, F3R, F3R, F3R, F3R	22R 10k 1k 27k 6R 6R 20mR 4.7k 470R 100R 120R 222 4WAY_TERMINAL Header 3X2H A3830 MICS239-3.3YMM DSPIC33F.1128MC804-E/PI ADM3078E MG3486D MGS439-6.0YMM	Res Semi Rus	RESC1608L RORANATCH_4WAY_SE HORZSH TGPP-P144_N SOIC-8_M 751B-03_N MSOP-8	Header, Appled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor Header, 3-Pin, Dual row, Right Angle brushless motor driver, 3-phase LDO, 500mA, Vin.2 3V-30V Und ElM-4224421 Line Receiver LDO, 500mA, Vin.2 3V-30V
010, 011, 012, 013, 014 0E1, 0E2 E1, P2, R3, P5, R7, R9, R15, R17, R17, R19, R15, R16, R17, R19, R15, R16, R17, R19, R19, R19, R19, R19, R19, R19, R19	22R 10k 1k 27k OR 20mR 4.7k 4.7k 470R 100R 120R 242 4WAY_TERMINAL Header 3X2H AS930 MICS239-3.YMM DSPICSSF-JI ZBMC804-E/PI ADM3078E ADM3078E MICS239-3.OYMM LP2992AIM5-5.0	Res Semi Res	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Performance Levi Performance Levi Semiconductor Resistor Semiconduct
010, 011, 012, 013, 014 0E1, 0E2 R1, R2, R3, R5, R7, R8, R16, R3, R16, R16, R16, R16, R16, R16, R16, R16	22R 10k 1k 27K 0R 20mR 4.7R 20mR 4.7R 1000R 1200R 222 4470R 1000R 1200R 282 WAYAY_TERMINAL Header 3X2H ADM3078E MICS239-3.3YMM DSPIC33F.1128MC804-E/P1 ADM3078E MCS239-3.0YMM DSPIC33F.3128MC804-E/P1 ADM3078E MCS239-3.0YMM DSPIC33F.3128MC804-E/P1 ADM3078E MCS239-3.0YMM DSPIC33F.3138MC804-E/P1 ADM3078E MCS239-3.0YMM DSPIC33F.3138MC804-E/P1 ADM3078E	Res Semi Ros Semi R	RESC1608L RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Semiconductor Resistor Semiconductor Resisto
010, 011, 012, 013, 014 0E1, 0E2 R1, F2R, R2, R2, R1, F2R, R1, F3R, F3R, F3R, F3R, F3R, F3R, F3R, F3R	22R 10k 1k 27k OR 20mR 4.7k 4.7k 470R 100R 120R 242 4WAY_TERMINAL Header 3X2H AS930 MICS239-3.YMM DSPICSSF-JI ZBMC804-E/PI ADM3078E ADM3078E MICS239-3.OYMM LP2992AIM5-5.0	Res Semi Res	RESC1608L	Header, Angled Solder Pin, 10 Contacts, Performance Levi Performance Levi Semiconductor Resistor Semi