



Title		
H-BRIDGE DC MOTOR DRIVER		
Size	Number	Revision
A3	IR2111	1
Date:	5/10/1400	Sheet of
File:	C:\cloud\IR2111+IRFZ44.SchDoc	Drawn By:ROOZBEH BABAZADEH

Quantity	LibRef	Footprint	Designator	Description	Comment
4	Cap, C	C0805	C1, C2, C3, C7	Capacitor, [NoValue]	100nF
1	CAP_ELECTRO_P OLIMER	C_EL_8X12	C4		220UF 35V
1	CAP_ELECTRO_P OLIMER	C_EL_8X12	C5		100UF 35V
1	Cap 220uF	C_EL_10X12	C6	63VDC	470uF 50v
1	CAP3528	C_EL_8X12	C8		1000uf 5v
1	Cap 220uF	C_EL_16X25	C11	63VDC	2200uF 50v
2	Cap 100nF, Cap	C_CER_D7B	C12, C13	[NoValue], 63VDC	100nF 100V
3	Diode 1N4005	D_SOD123W	D1, D4, D7	[NoValue], 1 Amp General Purpose Rectifier	Diode 1N4148
7	SCHOTTKY	D_SMB	D2, D3, D5, D6, D8, D9, D10	DIODE, SCHOTTKY, 50V, 3A	SM5822
3	IR2111PBF	SO_8	IC1, IC2, IC4	Integrated Circuit	IR2111PBF
1	74HC08D,652	SO_14	IC3	Integrated Circuit	74HC08D,652
1	HDRWF_6	WF_6	J1	Header, WF, Pitch: 2.54mm	HDRWF_6
2	sip 2	PWL_2	J3, J4	wire to board pitch 3.96 mm CH series	2PIN 3.96
1	sip 3	PWL_3	J5	wire to board pitch 3.96 mm CH series	3PIN 3.96
1	CDRH127_LDNP- 560MC	CDRH127LDNP560 MC-12*12	L1	Inductor	47uH
2	LED3mm	LED1206RED	LED1, LED2		
1	Multi-Turn	POT_3296W	P1	Potentiometer	10K
6	IRFZ44PBF	D2PAK3	Q1, Q2, Q3, Q4, Q5, Q6	MOSFET (N- Channel)	IRFZ44PBF
6	Res1	R0805	R1, R2, R3, R4, R5, R6	Resistor	20R
1	R	R0805	R7		2k2
1	R	R0805	R8		470R
1	Res1	R0805	R9	Resistor	330R
1	LM2596s	to-263-5 5d2pak LM2596S	U1		LM2596s