



Title H-BRIDGE DC MOTOR DRIVER		
Size A4	Number IRF7317	Revision 1
Date: 5/10/1400	Sheet of	
File: C:\cloud\...\IRF7317+TR.SchDoc	Drawn By: ROOZBEH BABAZADEH	

Quantity	LibRef	Footprint	Designator	Description	Comment
3	C	C0805	C1, C2, C23		100nF
1	CAP_ELECTRO_P OLIMER	C_EL_12X25	C4		1000UF/35V
1	CAP3528	C_EL_10X12	C25		220uf 35v
4	ZENER	D_SOD80	D1, D5, D6, D9	DIODE, ZENER, 3W, 5.6V	15V
4	SCHOTTKY	D_SMA	D2, D3, D7, D8	DIODE, SCHOTTKY, 40V, 1A	SS110
1	Diode 1N4005	D_SMB	D4	1 Amp General Purpose Rectifier	IN5822
1	SCHOTTKY	D_SMB	D10	DIODE, SCHOTTKY, 40V, 1A	SM5822
1	HDRWF_6	WF_6	J1	Header, WF, Pitch: 2.54mm	HDRWF_6
2	sip 2	PWL_2	J64, J65	WR-PHD Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 2pin	POWER IN
1	CDRH127_LDNP- 560MC	CDRH127LDNP560 MC-12*12	L1	Inductor	47uH
1	LED3mm	LED1206RED	LED7		
1	Multi-Turn	POT_3296W	P1	Potentiometer	10K
2	IRF7317PBF	SO_8	Q1, Q3	Transistor	IRF7317PBF
2	BC847AMTF	SOT23	Q2, Q4	Transistor BJT NPN	BC847AMTF
13	R	R0805	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13		4K7
1	Res1	R0805	R14	Resistor	330R
1	R	R0805	R16		2k2
1	LM2596s	to-263-5 5d2pak LM2596S	U1		LM2596-adjust