This is a schematic diagram and should be represented as an image.

roboShieldMega

Title	roboShieldMega
Size	A
Number	
Revision	0.2
Date	04/04/2013
File	C:\Documents and Settings\..\roboShieldMega.SchDoc
Drawn By	dermitza

Comment	Description	Designator	Footprint	LibRef	Quantity
CON3	3 pin header	AN1, AN2, AN3, AN4, AN5, AN6, AN7, AN8, PHO, US1, US2, US3, US4	MOLEX_SH-3P-S	CON3	13
CON4	4 pin header	BT_EXT	MOLEX_SH-4P-S	CON4	1
CON2	2 pin header	BUMP1, BUMP2, BUMP3, BUMP4, M1, M2, M3, M4, M5, M6, MOT_POW	MOLEX_SH-2P-S	CON2	11
LED	General LED	D1	2PIN_2MM	LED	1
CON32	Connector	EXT	32PIN_2.54MM_DOUBLE	CON32	1
SPACER	0.25 x 4-40 spacer hole	H1, H2, H3, H4	SPACER_MINI_2MM	SPACER	4
CON8	8 pin header	IRB	WM18114	CON8	1
CON8	8 pin header	J1, J2, J3, J4, J5	8PIN_2.54MM	CON8	5
CON6	6 pin header	J7	6PIN_2.54MM_STRAIGHT	CON6	1
CON36	Connector	J12	36PIN_2.54MM_DOUBLE	CON36	1
2.2k	Generic Resistor	R1, R2, R3, R4	0805	RES	4
20k	Generic Resistor	R5, R6	0805	RES	2
1k	Generic Resistor	R7	0805	RES	1
SW-SPST		S1	PUSH_BUTTON_JPM	SW-SPST	1
TB6612FNG_BOARD	H-Bridge dual board from Pololu, with TB6612FNG chip	U1, U2, U3	TB6612FNG_BOARD	TB6612FNG_BOARD	3
Header 2	Header, 2-Pin	VMOT-VIN	HDR1X2	Header 2	1