

Ref Des	12-digit driver board	Description	qty board 1
FTDI	FTDI header	1x6 male pins	1
IN	IN header	1x6 male pins	1
OUT	OUT header	1x6 male pins	1
+5Vs	5V digital header	1x6 male pins	1
5V - DSP_PWR - +V	digit power select	1x3 male pins	1
#VALUE!	power sel jumper	1x2 female	1
d0-d11	Digit header, up to 12	1x9 male pins	1
icsp	ICSP header	2x3 male pins	1
D14-D19 - GNDs	digital/GND header	2x6 male pins	1
D7-D2 - GNDS	digital/GND header	2x6 male pins	1
R1	reset pullup	10K	1
R4	activity LED current limit	1K	1
R5	power LED current limit	1K	1
yellow	activity LED	yellow, 1.8-2.6V	1
green	power LED	green, 3-3.6V	1
+V - GND	power connector	1x2 screw terminal, or 2.1/5.5mm barrel jack	1
C7	power capacitor	1uF (or 10uF)	1
C10	power capacitor	10uF	1
Diode1	reverse polarity diode	1N5818	1
IC4	5V regulator	7805 type	1
screw	screw for regulator	M2.5, M3, or 4-40	1
nut	nut for regulator	M2.5, M3, or 4-40	1
Q2	16 MHz crystal	H49/1	1
c2, c3	crystal cap's	22 pf	2
c1,2,4,5,9,6,8,13,14,11,12,15,16,19,20,17,18	decoupling, DTR, AREF caps	0.1uF	16
IC2,3,6,8,5,10,7,9,13,14,11,12	high current shift register, up to 12	TPIC6B595N	12
20-pin socket	shift register socket, up to 12	20 pin, 0.3"	12
IC1	uC	ATMega328P-PU	1
28-pin socket	uC socket	28 pin, 0.3"	1
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