Partlist EAGLE/projects/Programmer_HCS/Programmer_HCS.sch

Part	Value	Device	Package	Description
			AVAILABILITY COMPANY-URL	CREATED-BY
		CREATED-DATE DATASHEET-URL		
		DESCRIPTION		
		MANUFACTURER	MF	MP
MPN		OC_FARNELL OC_NEWARK PACKAGE	POPULARITY PRICE	PROD_ID
	PURCHASE-URL			SF_ID
VALUE				
C1	22pf	C0805	0805	
C2	22pf	C0805	0805	
C3	100nf	C0805	0805	
C4	100nf	C0805	0805	
C5	100nf	C0805	0805	

C6	100nf	C0805	0805	
C7	100nf	C0805	0805	
C8	1000uf 16V	C-PR-SMD-SV-G	SV-G	POLARIZED ELECTROLYTIC/TANTALUM
C9	10uf 16V	CP6032	6032	
C10	10uf 16V	CP6032	6032	
C11	100nf	C0805	0805	

C12	100nf	C0805	0805
C15	22pf	C0805	0805
C16	22pf	C0805	0805
C17	100nf	C0805	0805
C18	10uf	C0805	0805
C19	100nf	C0805	0805

C20 100nf   C0805   0805

D1   YELLOW   WL-SMTW-150141AS73100-A 3528-2PIN   SMD Side view mono-color round
                                http://www.we-online.de Christin Otto APR 2013
http://katalog.we-online.de/en/led/WL-SMTW?m=t&sq=smtw&sp=&sp=http%3A%2F%2Fwww.we-online.de%2Fweb%2Fen%2Felectronic_components%2Fsearchpage_PBS.php%3Fsearch%3Dsmtw
          Würth Elektronik eiSos GmbH

D2   1N4004   DIODE-DO-214AC   DO-214AC   DIODE

D3   RED   WL-SMTW-150141AS73100-A 3528-2PIN   SMD Side view mono-color round
                                http://www.we-online.de Christin Otto APR 2013
http://katalog.we-online.de/en/led/WL-SMTW?m=t&sq=smtw&sp=&sp=http%3A%2F%2Fwww.we-online.de%2Fweb%2Fen%2Felectronic_components%2Fsearchpage_PBS.php%3Fsearch%3Dsmtw
          Würth Elektronik eiSos GmbH

D4   GREEN   WL-SMTW-150141AS73100-A 3528-2PIN   SMD Side view mono-color round
                                http://www.we-online.de Christin Otto APR 2013
http://katalog.we-online.de/en/led/WL-SMTW?m=t&sq=smtw&sp=&sp=http%3A%2F%2Fwww.we-online.de%2Fweb%2Fen%2Felectronic_components%2Fsearchpage_PBS.php%3Fsearch%3Dsmtw
          Würth Elektronik eiSos GmbH

D5   1N4004   DIODE-DO214AA   DO214AA   DIODE

D7   BLUE   WL-SMCW-150080RS75000-R 0805   SMD
mono-color Chip LED
                                        http://www.we-online.de Christin Otto
APR 2013
http://katalog.we-online.de/en/led/WL-SMCW?m=t&sq=smcw&sp=&sp=http%3A%2F%2Fwww.w
e-online.de%2Fweb%2Fen%2Felectronic_components%2Fsearchpage_PBS.php%3Fsearch%3Ds
mcw#vs_t2:2
          Würth Elektronik eiSos GmbH

D8   GREEN   WL-SMCW-150080RS75000-R 0805   SMD
mono-color Chip LED
                                        http://www.we-online.de Christin Otto
APR 2013
http://katalog.we-online.de/en/led/WL-SMCW?m=t&sq=smcw&sp=&sp=http%3A%2F%2Fwww.w
e-online.de%2Fweb%2Fen%2Felectronic_components%2Fsearchpage_PBS.php%3Fsearch%3Ds
mcw#vs_t2:2
          Würth Elektronik eiSos GmbH

F1   0805L075SL   0805L075SL   0805L   Polyfuse
Resettable PTC

                                        Littelfuse
0805L075SL   2125905   88T7684

IC1   ATMEGA644A   ATMEGA644A   TQFP44   8-bit
Microcontroller with 64K Bytes In-System Programmable Flash

ATMEGA644PV-10AU 1455123   58M3748   5

IC2   ams1117 5v   LM1117   SOT223

IC4 UNO   ARDUINO2009_PIN_10   ARDUINO2009   The
Arduino Duemilanove ("2009") is a microcontroller board based on the ATmega168
or ATmega328.

J1   connector VIN   DCJ0303   DCJ0303   DC POWER
JACK

     unknown   unknown   20

J5   usb_asp   SOCKET-10V   S10V   10 pin
PCB Socket (3m 85xx/51xx)

J8   ICSP   CONN_03X2FEMALE   2X3   Multi
connection point. Often used as Generic Header-pin footprint for 0.1 inch
spaced/style header connections

CONN-11566
        FEMALE 2x3
P1   xc6206 3.3v   XC6206SOT-23   XC6206_SOT-23   XC6206P
, linear regulator.

R1   1k   R-EU_R0805   R0805   RESISTOR,
European symbol

R2	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R3	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R4	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R5	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R6	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R7	1k	R-EU_R0805	R0805	RESISTOR, European symbol

Part	Value	Device	Package	Description
R8	1k	R-EU_R0805	R0805	RESISTOR, European symbol
R9	10	R-EU_R0805	R0805	RESISTOR, European symbol
S2	DTSM-3	DTSM-3	DTSM-3	
U$1	CH340G	CH340G	SOIC16	
U$2	HCS301-I/P	HCS301-I/P	DIP787W46P254L927H533Q8	Check prices

Warning

IC CODE HOPPING ENCODER 8DIP
Microchip HCS301-I/P
DIP-8 Microchip None
https://pricing.snapeda.com/search/part/HCS301-I/P/?ref=eda

Part	Value	Device	Package	Description
X1	USB-B-H	USB-B-H	USB-B-H	USB Connectors

Y1   16MHz   CRYSTAL-16MHZPTH-HC49US HC49US   16MHz
Crystal

                                                                  XTAL-08181
                                                                  COM-00536 16MHz

Y2   12MHz   CRYSTAL-16MHZPTH-HC49US HC49US   16MHz
Crystal

                                                                  XTAL-08181
                                                                  COM-00536 16MHz

ZX1   216-3340-00-0602J 216-3340-00-0602J   216-3340-00-0602J   Zero
Insertion Force Socked
                            Warning

                   16 (2 x 8) Pos DIP, ZIF (ZIP), 0.3 (7.62mm) Row Spacing
Socket Gold Connector   3M   216-3340-00-0602J
                                      None   None
https://pricing.snapeda.com/search/part/216-3340-00-0602J/?ref=eda