

CT1
PICAXE SOCKET

RXD
TXD
0V

R2
22k

15.0

LDR1
LDR
LDR to add randomness to program

R1
10k

R3
10k

R4
10k
Pull-down resistor

R5
10k
Pull-down resistor

R6
10k
Pull-up resistor

U1
PICAXE08M-IC

VDD
RXD
P4
P3
VSS
P0
P1
P2

U2
74HC595

SH_CP
DS
ST_CP
MR
OE

R7
10k
Pull-up resistor

R9
10k
Pull-up resistor

R8
10k
Pull-up resistor

R10
10k
Pull-up resistor

Big Dawg

LS1
BIG DAWG SPEAKER

SW1
SW-SPST-MOM
Microswitch closes on lid opening

C1
100n

+5V
GND

FILE NAME:	JSTalkingCompass74HC595_R3.DSN	DATE:	12/01/2021
DESIGN TITLE:	Talking Compass Circuit	PAGE:	1 of 1
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