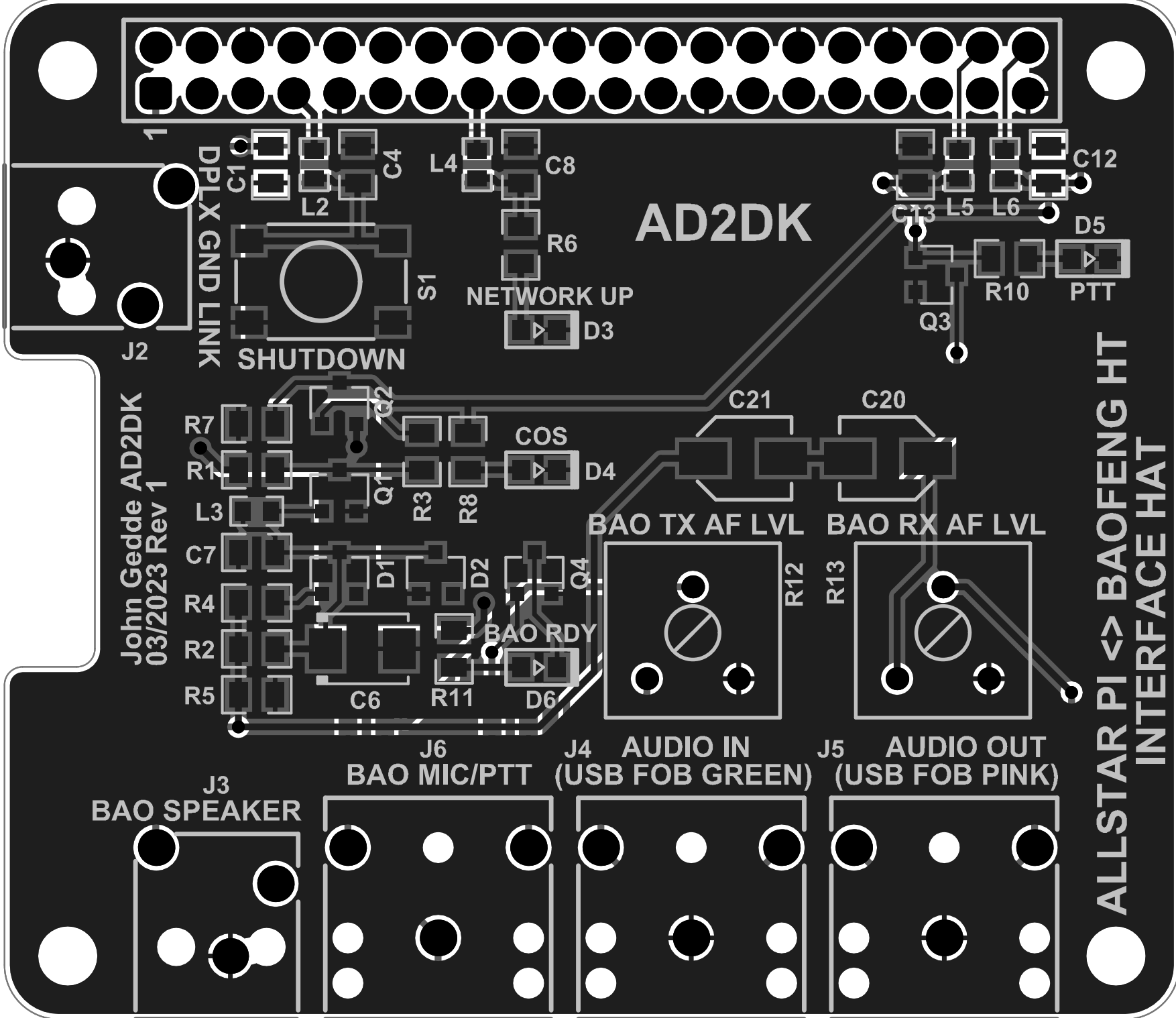


ALL CAPACITANCE ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCES ARE IN OHMS UNLESS OTHERWISE SPECIFIED.

DNI: DO NOT INSTALL.

Title		
RASPBERRY PI ALLSTAR TO BAOFENG HT INTERFACE HAT		
Size	Number	Revision
C	BAO2ASL-HAT-001	1
Date:	4/27/2023	Sheet 1 of 1
File:	D:\Projects\Bao2Alstar\Sheet1.SchDoc Drawn By: J. GEDDE	



Description	Designator	LibRef	Manufacturer	Quantity	PN
CAP CER 0.1UF 50V X7R 0805	C1	Cap	Kemet	1	C0805C104M5RAC7025
CAP CER 100PF 100V COG/NP0 0805	C2, C3, C4, C5, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C22, C23, C24, C25, C26, C27	Cap	Kemet	23	C0805C101J1GAC7800
Polarized Capacitor (Axial)	C6	Cap Pol2	Kemet	1	T495B474K035ATE2K2
CAP ALUM 10UF 20% 16V SMD	C20, C21	Cap Pol1	Kemet	2	EDH106M016A9BAA
DIODE SCHOTTKY 30V 200MA SOT23-3	D1	Diode 10TQ035	Diodes Inc.	1	BAT54-7-F
DIODE ZENER 10V 300MW SOT23-3	D2	D Zener	Diodes Inc.	1	BZX84C10-7-F
LED BLUE CLEAR 2012 SMD	D3	LED0	Kingbright	1	APTD2012LQBC/D
LED YELLOW CLEAR 2012 SMD	D4	LED0	Kingbright	1	APTD2012LSYCK
LED RED CLEAR 2012 SMD	D5	LED0	Kingbright	1	APTD2012LSURCK
LED GREEN CLEAR 2012 SMD	D6	LED0	Kingbright	1	APTD2012LCGCK
2X20 PIN STACKING HEADER	J1	Header 20X2	ADAFRUIT	1	18507
CONN JACK STEREO 2.5MM R/A	J2, J3	Phonejack3	CUI	2	SJ-2509N
CONN JACK STEREO 3.5MM R/A	J4, J5, J6	Phonejack3	CUI	3	SJ1-3523NG
470ohms@100MHZ 0603 ferrite bead	L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12	Ferrite Bead	Würth Electric	12	742863147
MOSFET N-CH 60V 115MA SOT-23	Q1	MOSFET-N	OnSemi	1	2N7002
TRANS PNP 45V 0.1A SOT23-3	Q2	PNP	OnSemi	1	BC857BLT1G
TRANS PREBIAS NPN 200MW SOT23-3	Q3, Q4	DTC114	Diodes Inc.	2	DDTC114ECA-7-F
RES SMD 1K OHM 1% 1/8W 0805	R1, R4	Res3	Panasonic	2	ERJ-6ENF1001V
RES SMD 22K OHM 5% 1/8W 0805	R2, R3, R7	Res3	Panasonic	3	ERJ-6GEYJ223V
RES SMD 47K OHM 1% 1/8W 0805	R5	Res3	Panasonic	1	ERJ-6ENF4702V
RES SMD 330 OHM 1% 1/8W 0805	R6, R8, R9, R10, R11	Res3	Panasonic	5	ERJ-6ENF3300V
TRIMMER 1k OHM 0.5W PC PIN TOP	R12, R13	RPot	Bourns	2	3386F-1-102LF
SWITCH TACTILE SPST-NO 0.05A 12V	S1	SW-PB	C&K	1	PTS645SL43SMTR92 LFS