

PWA RELEASED AS 102-73181-10

ASSEMBLE PER BOM 102_73181_10digiKey.csv
PICK & PLACE FILE 102_73181_10pck_plc.txt
REFERENCE VIEW, TOP 102_73181_10top.pdf
REF. VIEW, BOTTOM 102_73181_10bot.pdf

PADS ARE TYPICALLY OPTIMIZED FOR HAND SOLDERING. THERE WILL BE ADDITIONAL COPPER EXTENDING BEYOND THE END OF THE DEVICE. THIS ADDITIONAL PAD AREA PROVIDES CONTACT AREA FOR THE SOLDERING IRON TIP

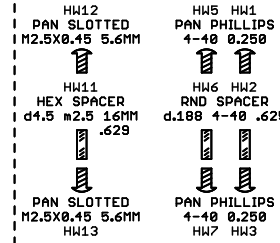
HOST COMMUNICATION CABLE



ZNEO PROGRAMMER



RF DAUGHTERBOARD MOUNTING HARDWARE



J18_3

J18_1

BATT

BATT1

ENCL1

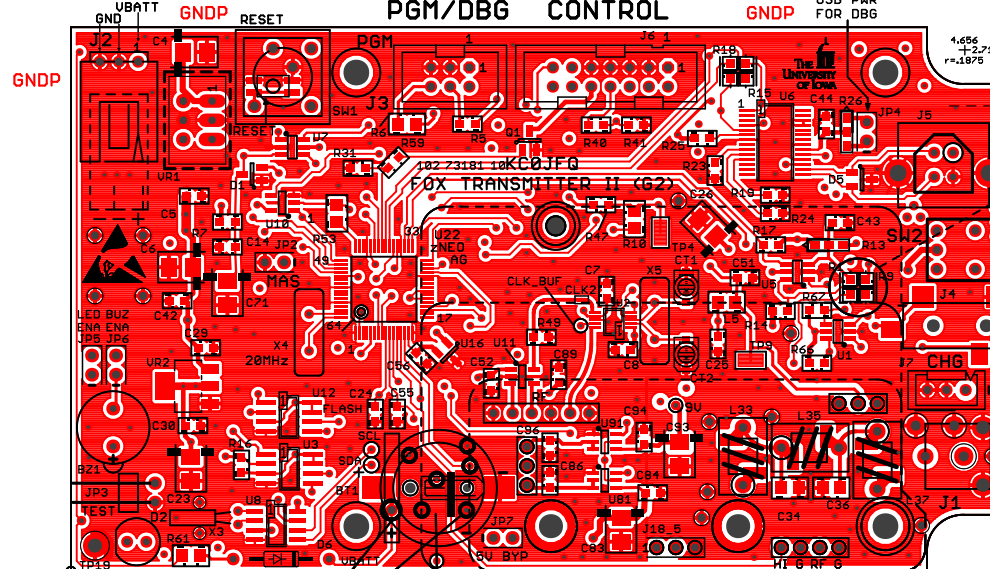
HAMMOND
6.693
3.366
1.368

ENCLOSURE

HW4 BOARD MOUNTING
HW9 TAPPING
HW10 TAPPING
HW8 SCREW

PCB1

HANDY/TALKIE PGM/DBG CONTROL



0.850
(21.6)
CLEAR ABOVE
0.062 PCB

3.366
85.5

ROTATE
RESISTOR
PAIR FOR
SA818/DRA818

2.075
(NO OPENING)

Y=1.675
Z=(0.125)
d=0.180

1.940
49.3
(0.480)

Y=1.280
Z=(0.098)
d=0.197/0.315

1.546
39.3
(0.453)

CHARGE
CONNECTION
Y=0.840
Y=0.600
Z=(0.280)
d=0.500/0.575

0.866
22.0
(0.635)

PIN JACK 0.080
KEYSTONE

BOARD: JACK
6048 WHITE
6050 BLACK

ANTENNA: PIN
6006 WHITE
6008 BLACK

BOX EDGE
(BOTTOM TO
CONN CENTER)

0.000
(+355)

TOP MARKING INK 102_73181_10gto .GTO

TOP COPPER 102 102_73181_10gm01 .GTL

ALL CAPACITOR VALUES EXPRESSED IN UF ARE BX/X7R DIELECTRIC
ALL CAPACITOR VALUES EXPRESSED IN PF ARE BP/NPO/C0G DIELECTRIC

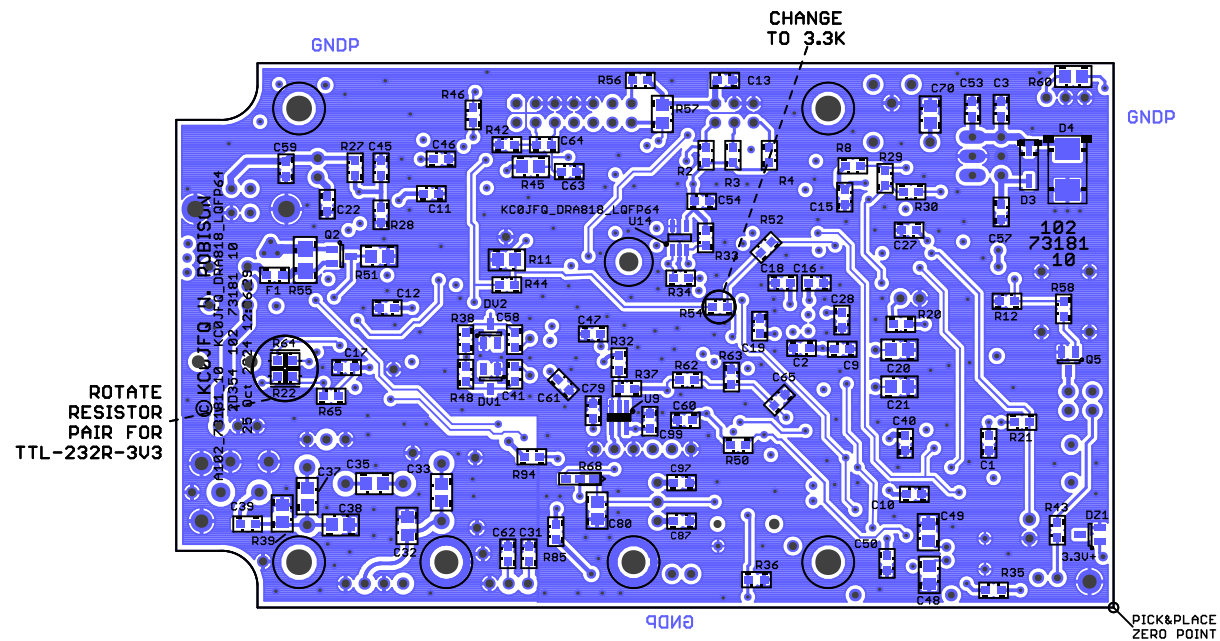
PICK&PLACE
ZERO POINT

RF_DB RF DAUGHTERBOARD:
ASSEMBLE CONNECTORS AND SPACERS
BEFORE SOLDERING TO ACHIEVE
CORRECT CONNECTOR ALIGNMENT AND SPACING

CT1/CT2 SHOWN
AT MAXIMUM

UL-1220 ORIENTATION ML-1220 ORIENTATION

Drawn KC0JFQ W. ROBISON	Date	TITLE: KC0JFQ_DRA818_LQFP64				The University of Iowa Department of Physics & Astronomy Iowa City, IA, USA	
Designed KC0JFQ W. ROBISON	Date	Plot: 25 Oct 2024 12:06:30 Save: 25 Oct 2024 12:05:44				A102_73181_10	
Approval 1	Date	CAGE 2D354	Series 102	G2_FOX_TRANSMITTER	LAYERS 4	Number 73181	REV: 10



ROT. 102-73181-10
BOT COPPER 102-73181-10
BOT MARKING INK 102-73181-10

TITLE: KC0JFQ_DRA818_LQFP64
PWA

Date: 25 Oct 2024 12:05:44

CAGE	Series	LAYERS	Number	REV:
2D354	102	4	73181	10

62_FOX_TRANSMITTER

The University of Iowa
Department of Physics & Astronomy
Iowa City, IA, USA
A102-73181-10