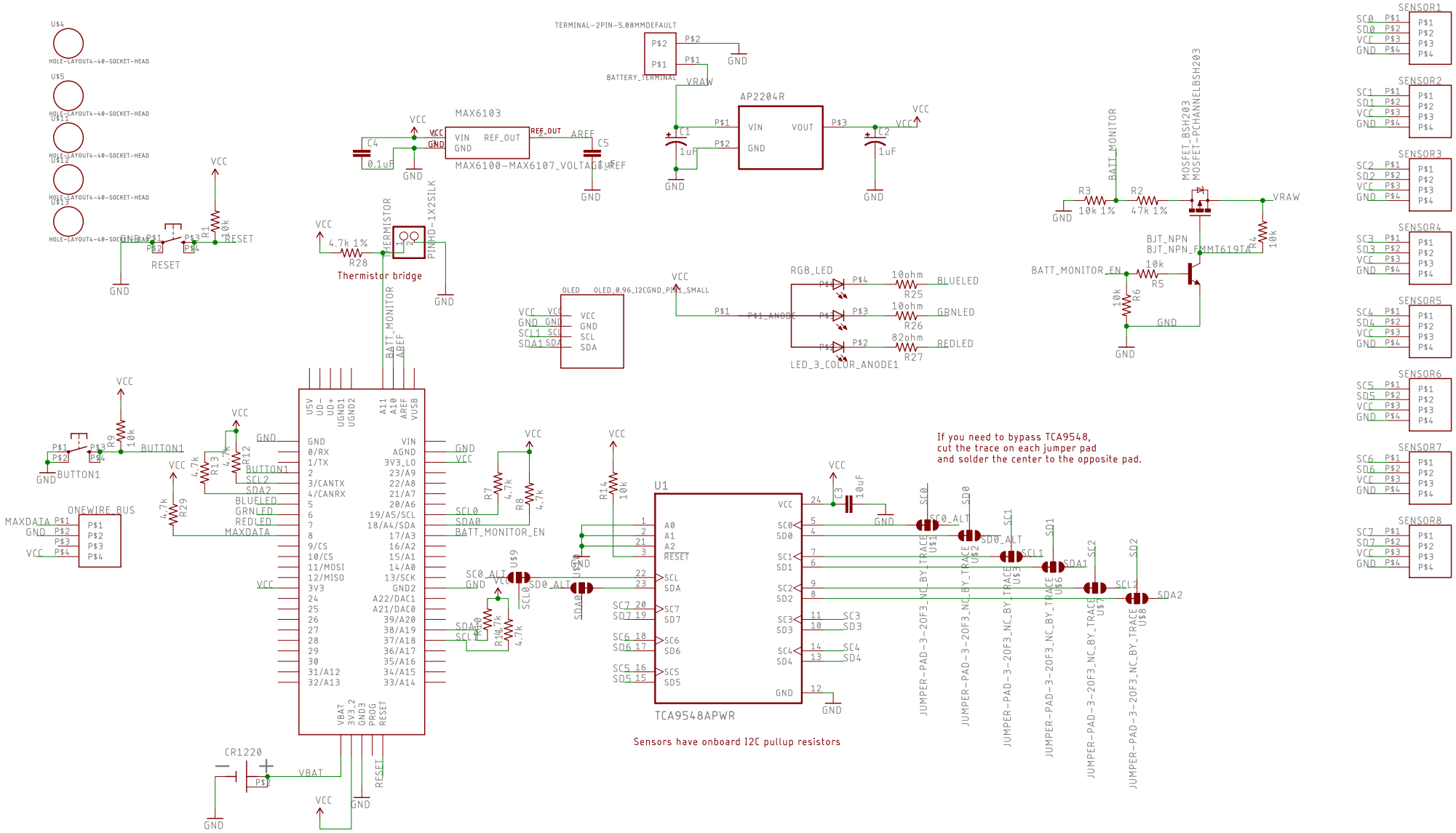
U$4
HOLE-LAYOUT4-40-SOCKET-HEAD
U$5
HOLE-LAYOUT4-40-SOCKET-HEAD
U$11
HOLE-LAYOUT4-40-SOCKET-HEAD
U$12
HOLE-LAYOUT4-40-SOCKET-HEAD
U$13
HOLE-LAYOUT4-40-SOCKET-HEAD
RESET
R1
10k
TERMINAL-2PIN-5.08MMDEFAULT
BATTERY_TERMINAL
VRAW
AP2204R
VIN
VOUT
GND
C1
1uF
C2
1uF
MAX6103
VIN
REF_OUT
GND
MAX6100-MAX6107_VOLTAGE_REF
REF_OUT
AREF
C4
0.1uF
C5
1uF
THERMISTOR
PINHD-1X2SILK
R28
4.7k 1%
Thermistor bridge
BATT_MONITOR
AREF
OLED
OLED_0.96_I2CGND_PIN_SMALL
VCC
GND
SCL
SDA
RGB_LED
P$1_ANODE
10ohm
R25
BLUELED
10ohm
R26
GRNLED
82ohm
R27
REDLED
LED_3_COLOR_ANODE1
BATT_MONITOR
MOSFET_BSH203
MOSFET-PCHANNELBSH203
R3
10k 1%
R2
47k 1%
VRAW
R4
10k
BJT_NPN
BJT_NPN_FMMT619TA
BATT_MONITOR_EN
10k
R5
10k
R6
SENSOR1
SENSOR2
SENSOR3
SENSOR4
SENSOR5
SENSOR6
SENSOR7
SENSOR8
R9
10k
BUTTON1
R13
4.7k
R12
4.7k
R29
4.7k
ONEWIRE_BUS
MAXDATA
BLUELED
GRNLED
REDLED
R7
4.7k
R8
4.7k
SCL0
SDA0
BATT_MONITOR_EN
R14
10k
U1
TCA9548APWR
C3
10uF
SC0_ALT
SD0_ALT
SCL1
SDA1
SCL2
SDA2
JUMPER-PAD-3-20F3_NC_BY_TRACE
If you need to bypass TCA9548,
cut the trace on each jumper pad
and solder the center to the opposite pad.
Sensors have onboard I2C pullup resistors
CR1220
VBAT
RESET