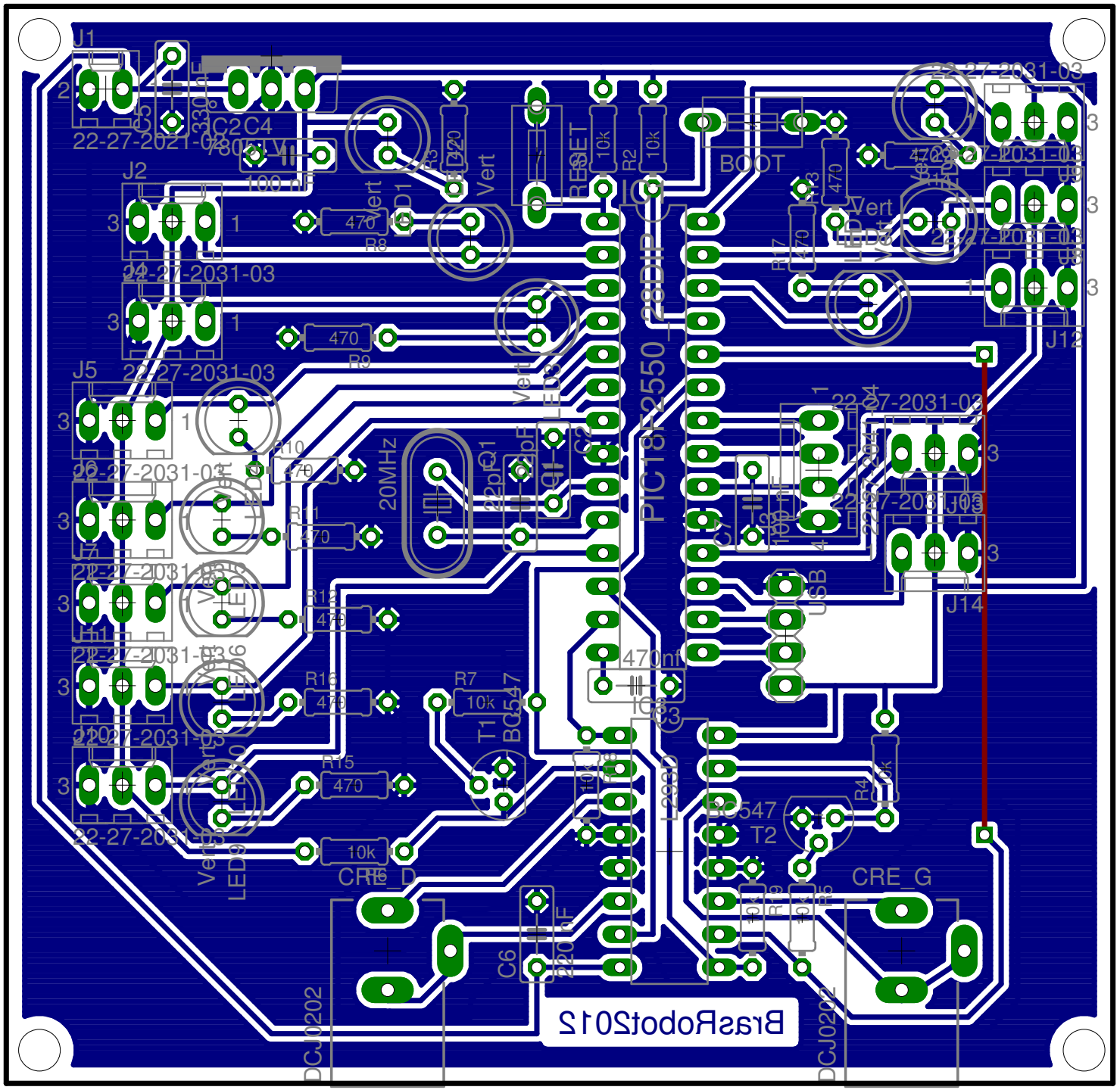
J1
J2
J5
J7
J11
J12
J14
22-27-2031-03
22-27-2021-03
C2
C4
100 nF
470
R8
R9
R10
R11
R12
R16
R15
R7
10k
T1
BC547
20MHz
Q1
22pF
C2
C1
PIC18F2550
RESET
R2
BOOT
R13
R17
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
LED9
Vert
USB
470nf
IC3
L293D
R4
T2
CRE_G
CRE_D
C6
220nF
DCJ0202
BrasRobot2012