

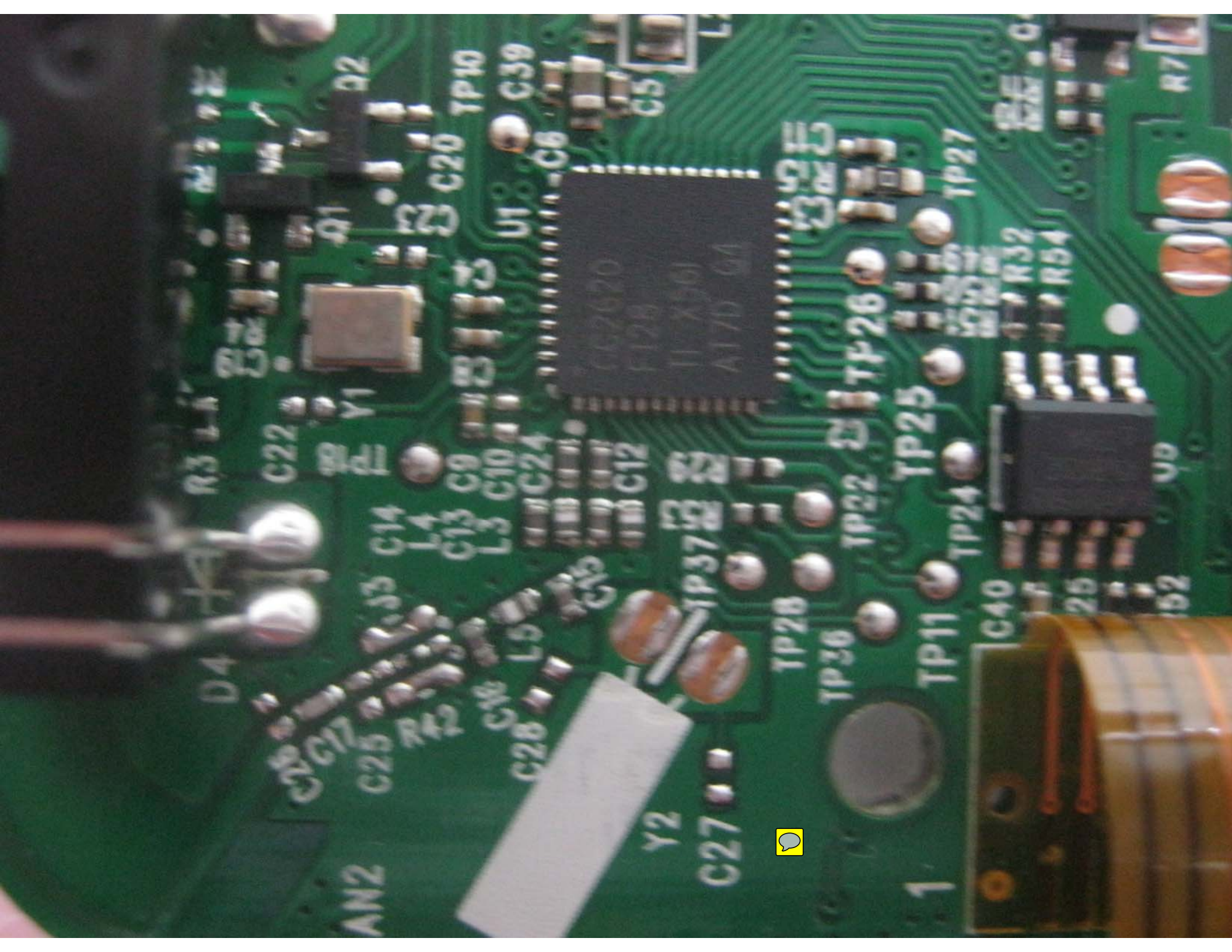
URC-2024BC0-R

+ 1.5V / UM-3 / R6 / AA -

+ 1.5V / UM-3 / R6 / AA -

BT4  
Echostar 52.0 Melbourne 2014  
803302-4136000 V08 MAR.2015





U1  
AT7604

AN2  
D4  
R3  
C22  
Y1  
D2  
C20  
TP10  
C39  
U18  
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TP21  
TP23  
TP27



URC-2024BC0-R

Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12  
 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 R85 R86 R87 R88 R89 R90 R91 R92 R93 R94 R95 R96 R97 R98 R99 R100  
 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100  
 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 U46 U47 U48 U49 U50 U51 U52 U53 U54 U55 U56 U57 U58 U59 U60 U61 U62 U63 U64 U65 U66 U67 U68 U69 U70 U71 U72 U73 U74 U75 U76 U77 U78 U79 U80 U81 U82 U83 U84 U85 U86 U87 U88 U89 U90 U91 U92 U93 U94 U95 U96 U97 U98 U99 U100  
 TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40 TP41 TP42 TP43 TP44 TP45 TP46 TP47 TP48 TP49 TP50 TP51 TP52 TP53 TP54 TP55 TP56 TP57 TP58 TP59 TP60 TP61 TP62 TP63 TP64 TP65 TP66 TP67 TP68 TP69 TP70 TP71 TP72 TP73 TP74 TP75 TP76 TP77 TP78 TP79 TP80 TP81 TP82 TP83 TP84 TP85 TP86 TP87 TP88 TP89 TP90 TP91 TP92 TP93 TP94 TP95 TP96 TP97 TP98 TP99 TP100



CC2620  
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 TX X56I  
 AT70 G4

024BC0-R

TP38



TP27

F26

R12

R13

R32

R54

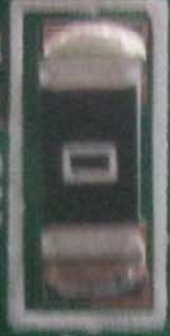
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R9

R8

Q3



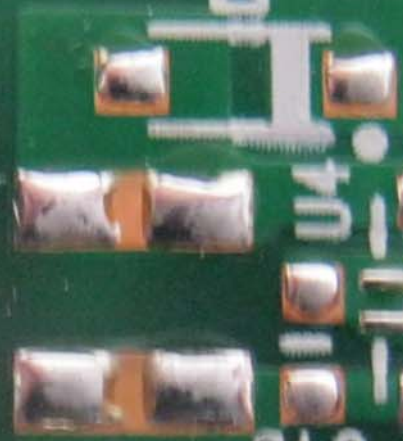
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C21



TP40



L9

C45

TP14

TP42

C48

R26

R37

R45

R34

R33

R35

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C37

C18

U4

U2

U1

U3

U5

U6

U7

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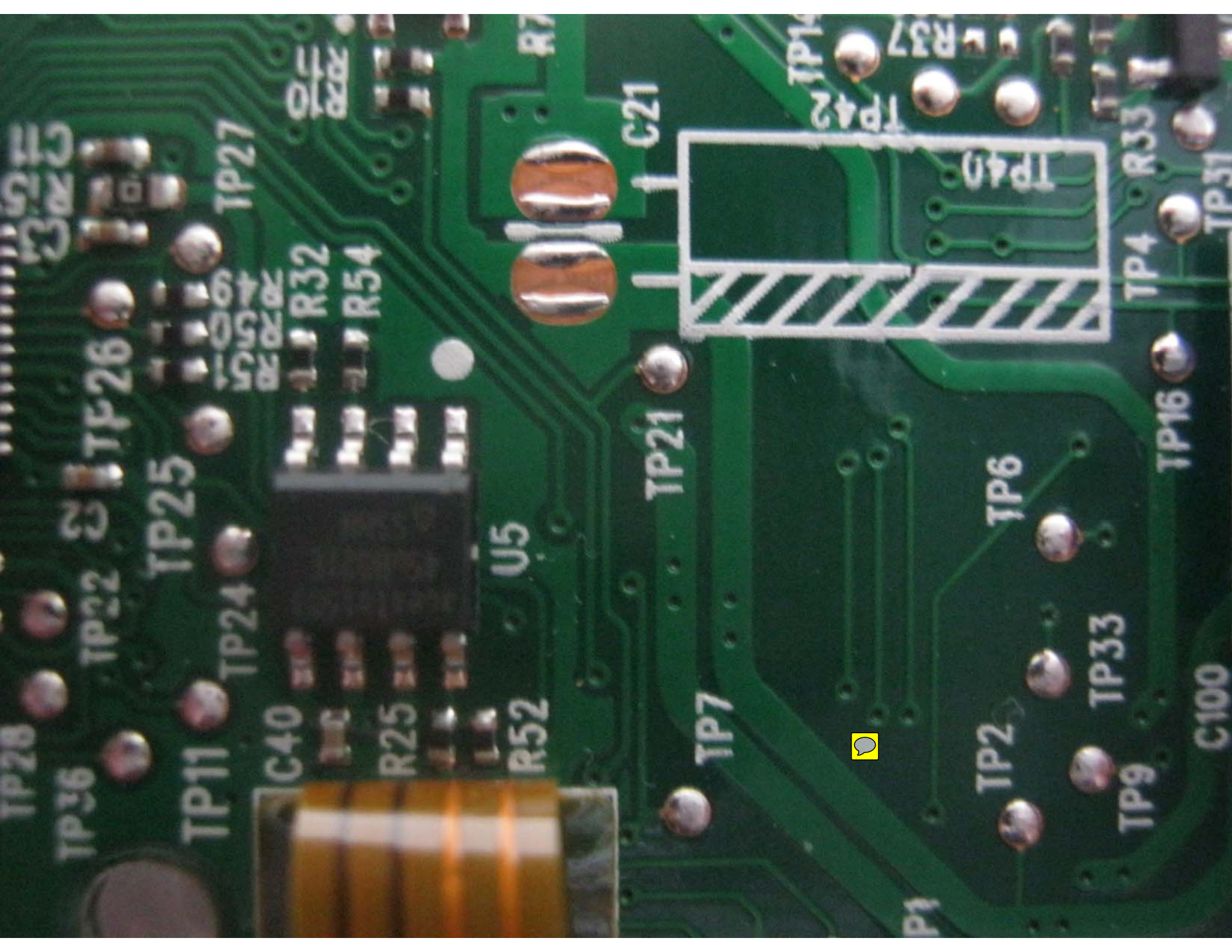
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U271

U272

U273

U274



TP28

TP36

TP22

TP26

TP25

TP11

TP24

TP27

C40

R25

R32

R54

U5

R52

R7

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C21

TP7



TP2

TP6

TP40

TP42

TP9

TP33

TP16

TP4

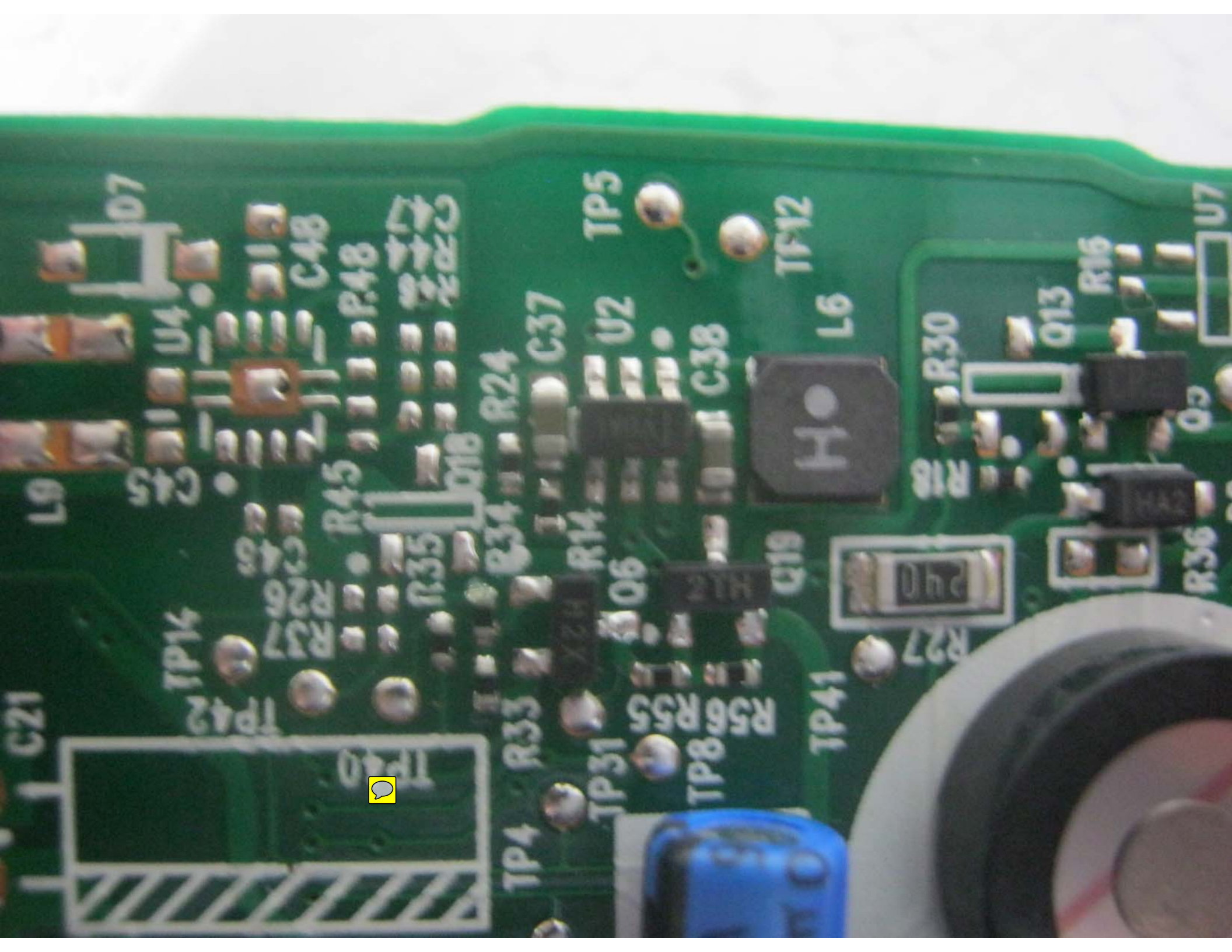
C100

R33

TP31

R37

TP14



C21

L9

07



TP14

TP42

TP40

U4

U1

U2

P48

R26

R27

R28

R45

R35

Q18

R24

C37

TP4

R33

TP31

TP8

R56

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O6

U2

TP5

C38



L6

TF12

TP41



R27

R18

R30



R36

Q13

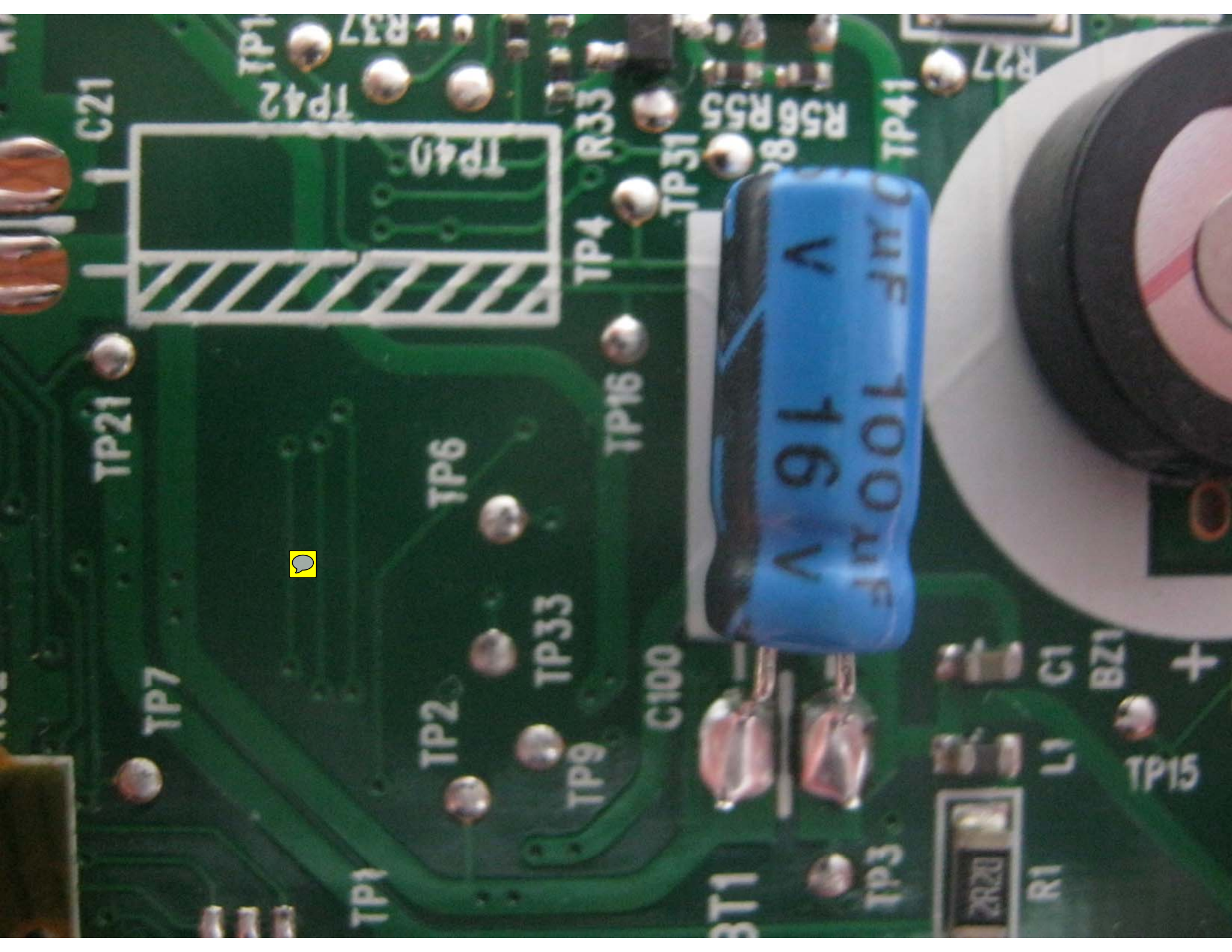
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Q3

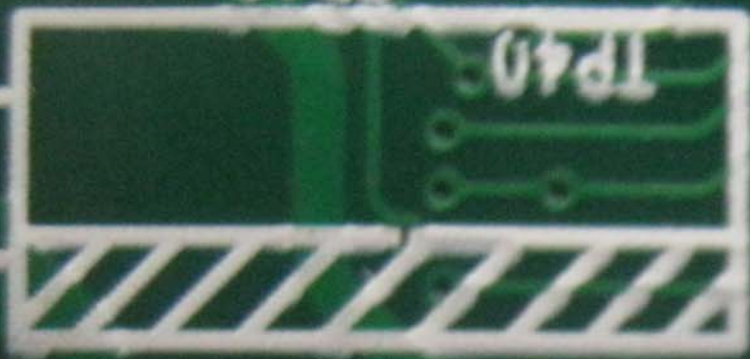
U7

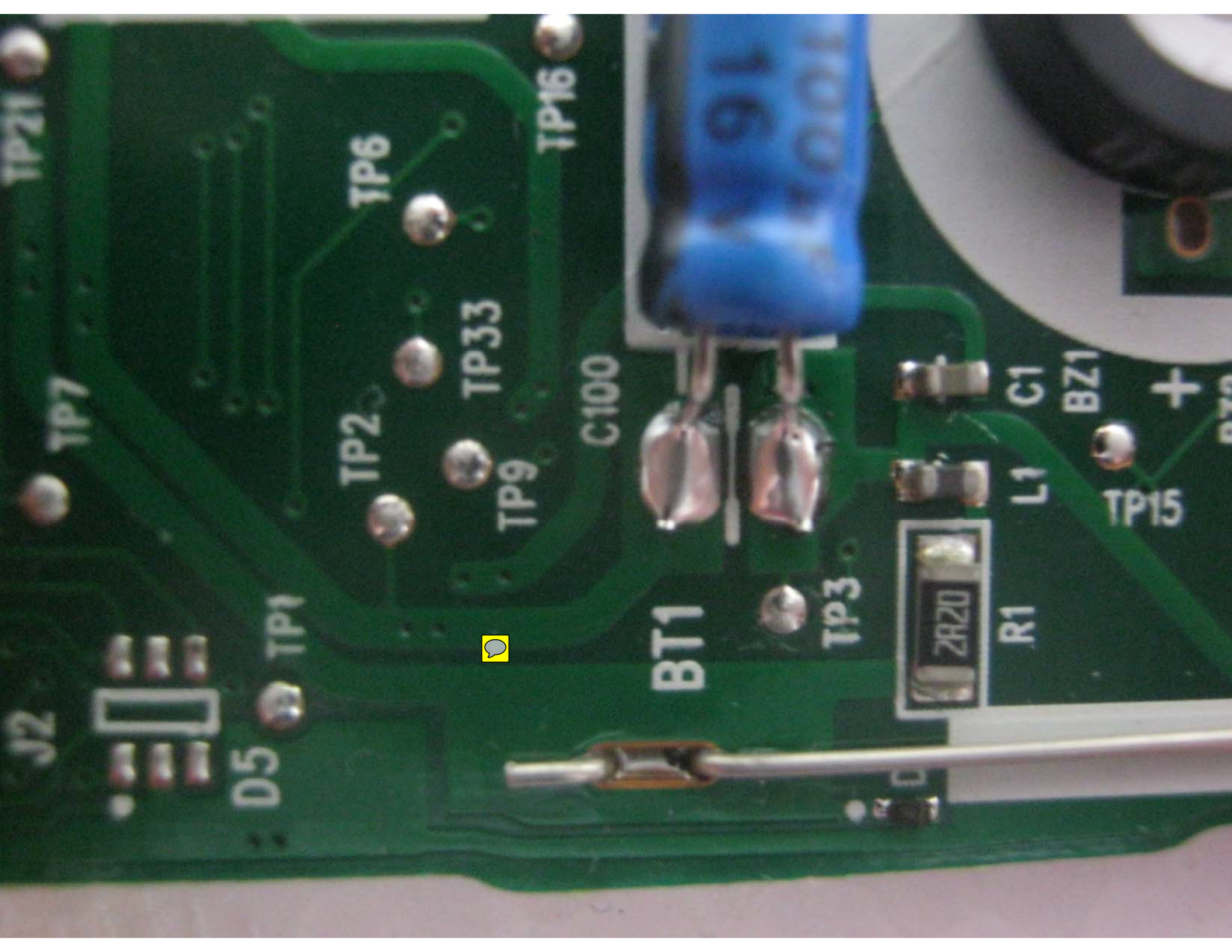






16V 100µF 500L

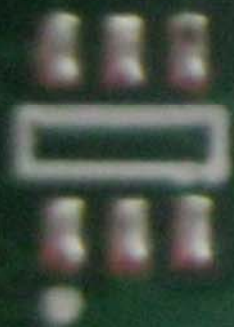




J2

TP21

TP7



D5

TP1

TP2

TP6

TP9

TP33

TP16



BT1



C100

TP3



R1

L1

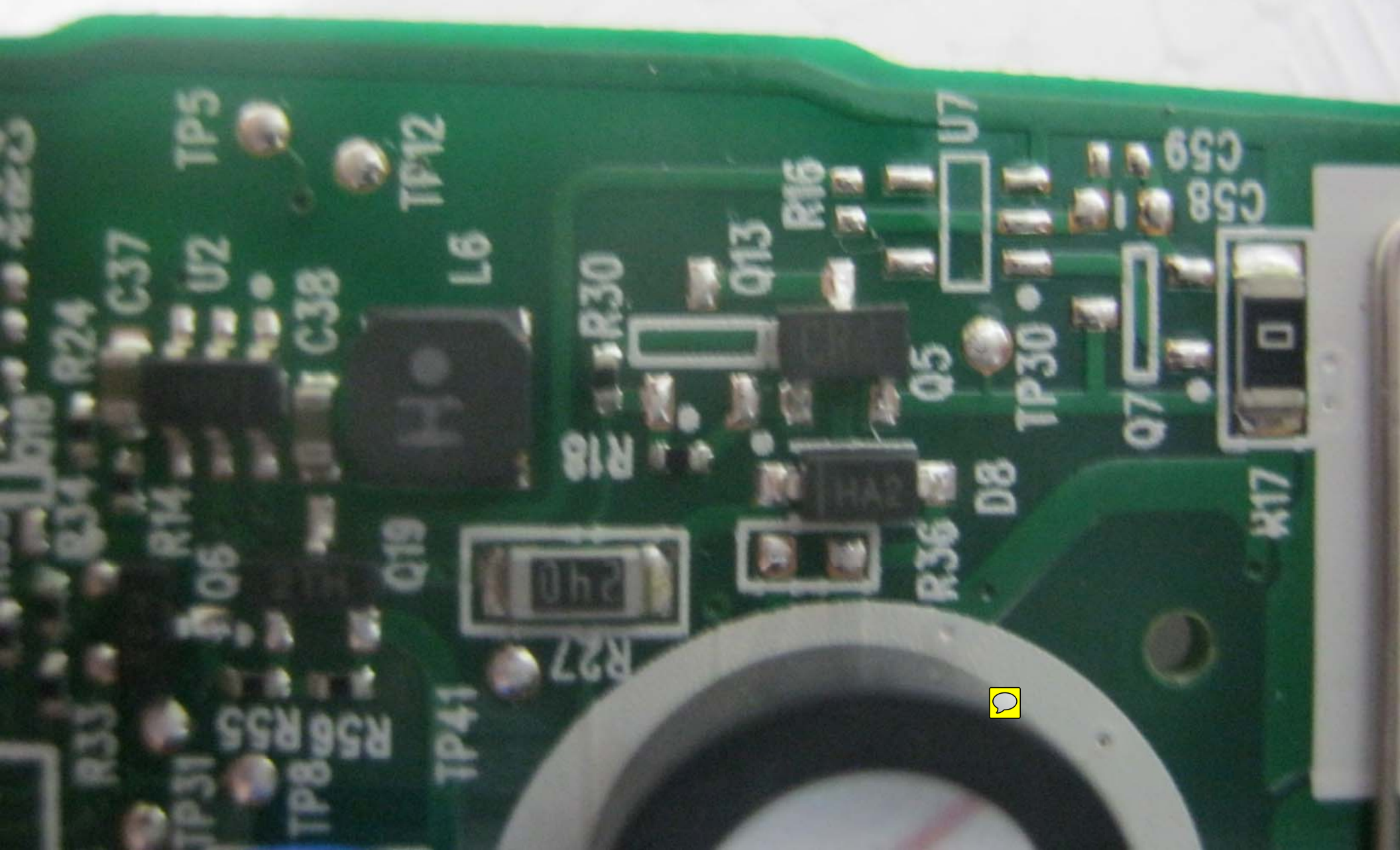
C1

BZ1

TP15

+

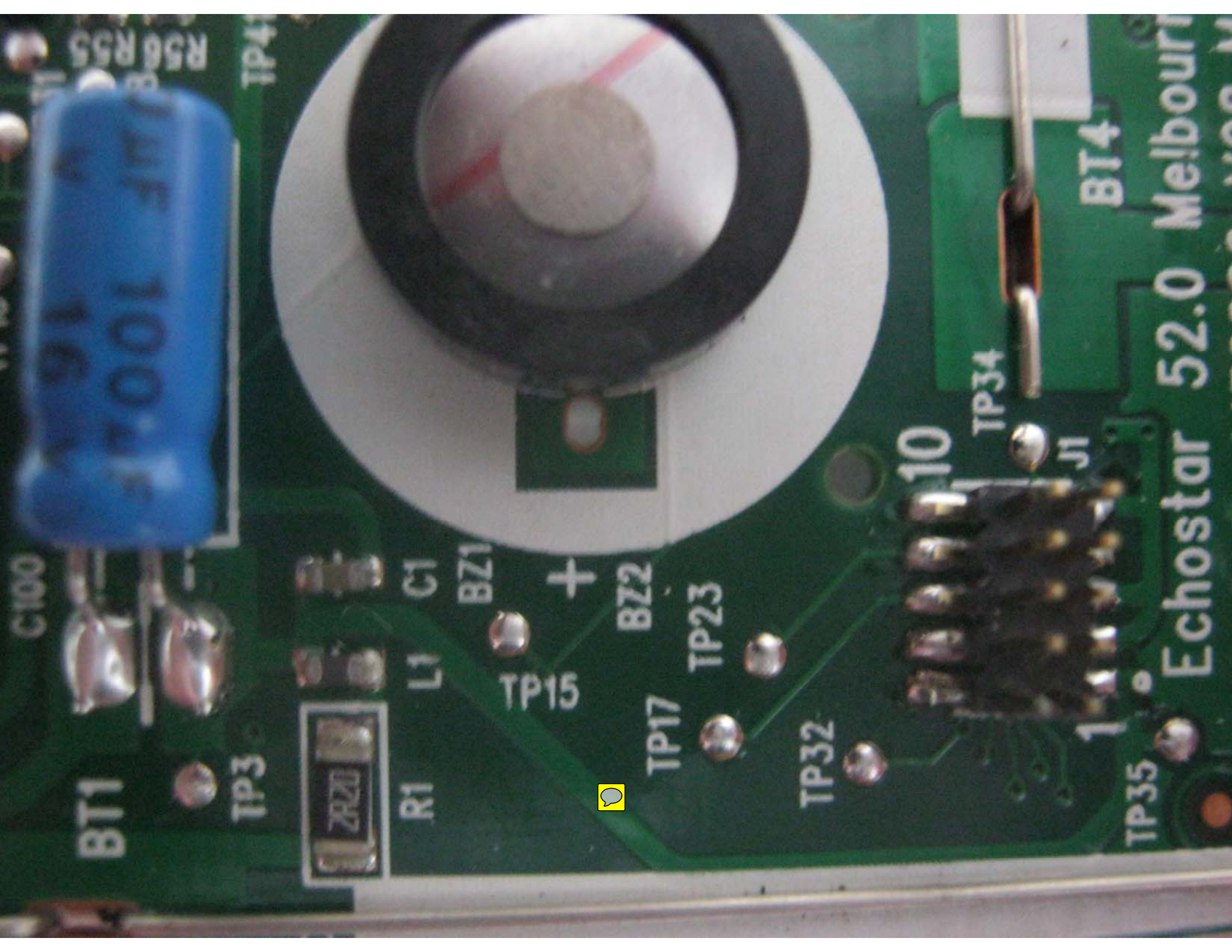




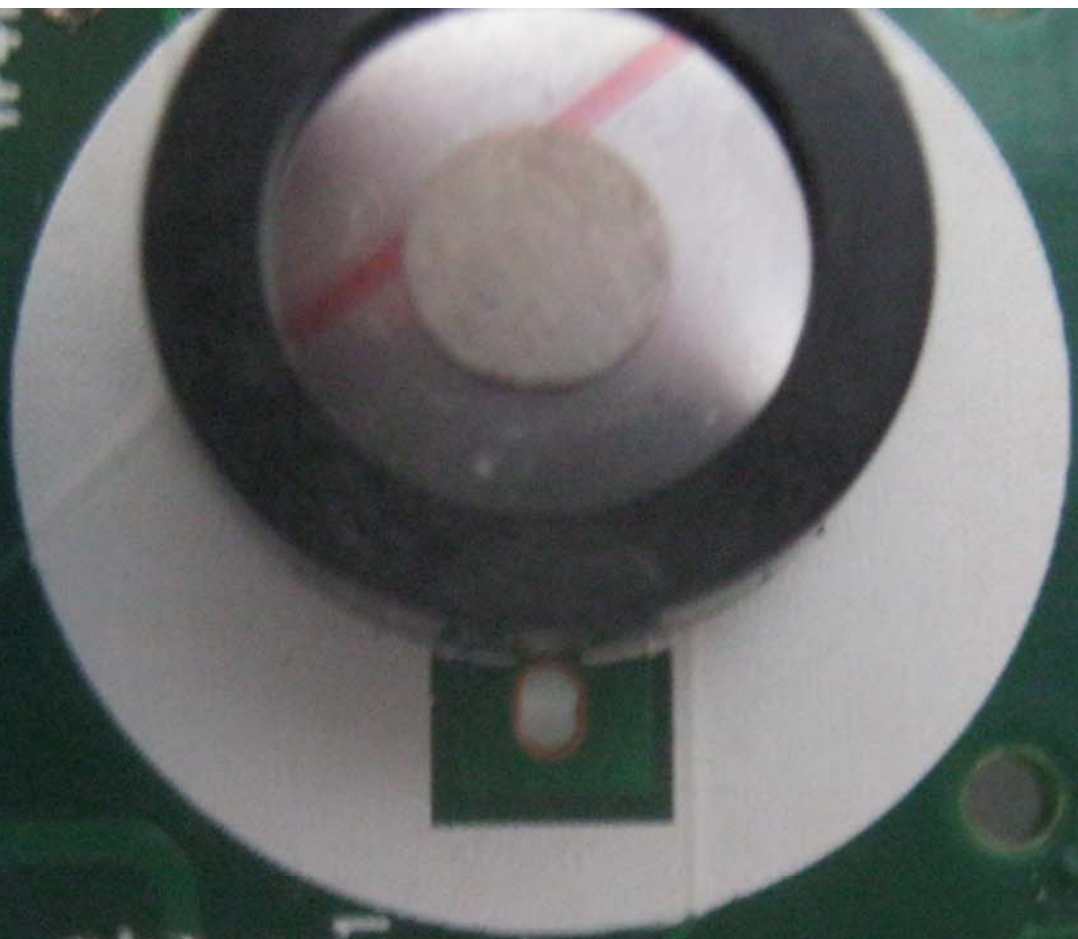
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R24  
C37  
R14  
U2  
TP5  
TP31  
R56  
R55  
TP8  
Q19  
TP41

L6  
R18  
R30  
Q13  
R16  
Q5  
TP30  
D8  
Q7  
U7  
C58  
C59  
M17





TP4  
R56 R55  
BT1  
C100  
10001 J1



TP3  
R1  
L1  
C1  
BZ1  
+BZ2

TP15  
TP17  
TP23

TP32



10

TP34

J1

BT4

TP35

EchoStar 52.0 Melbourn



TP35  
BT4  
EchoStar 52.0 Melbourne 2014  
VSC

+ 1.5V / UM-3 / R6 / AA -

+ 1.5V / UM-3 / R6 / AA -



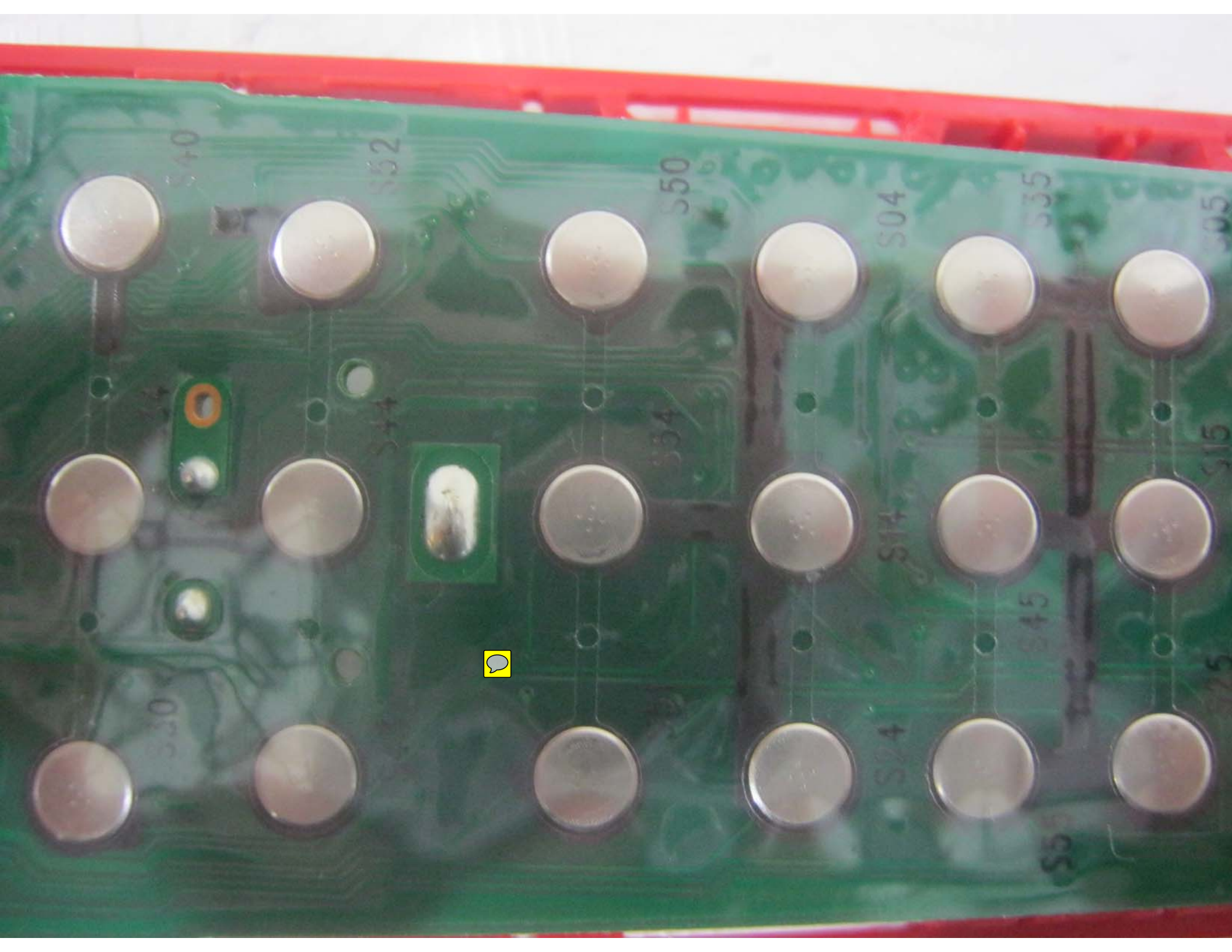
BT3

BT2









S40

S52

S50

S04

S35

S05

S30

S34

S34

S14

S45

S15

S24

S3



