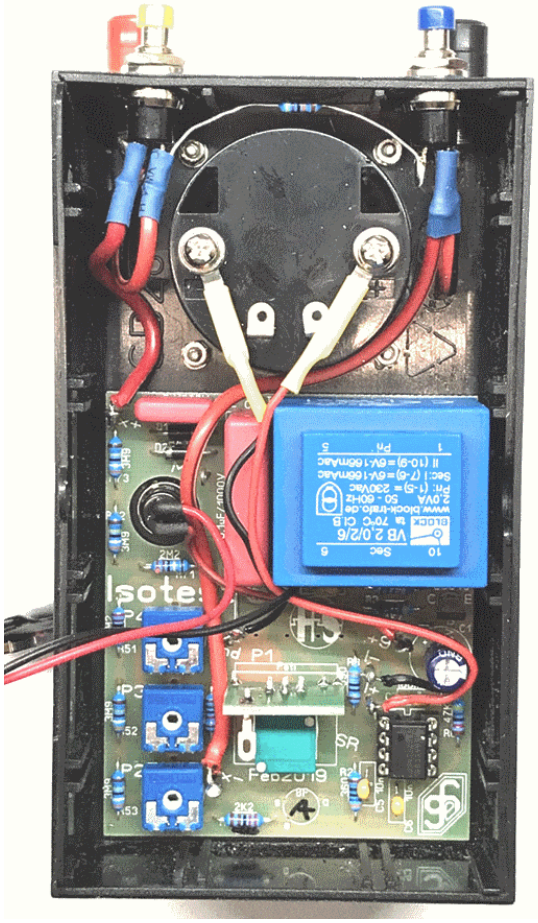
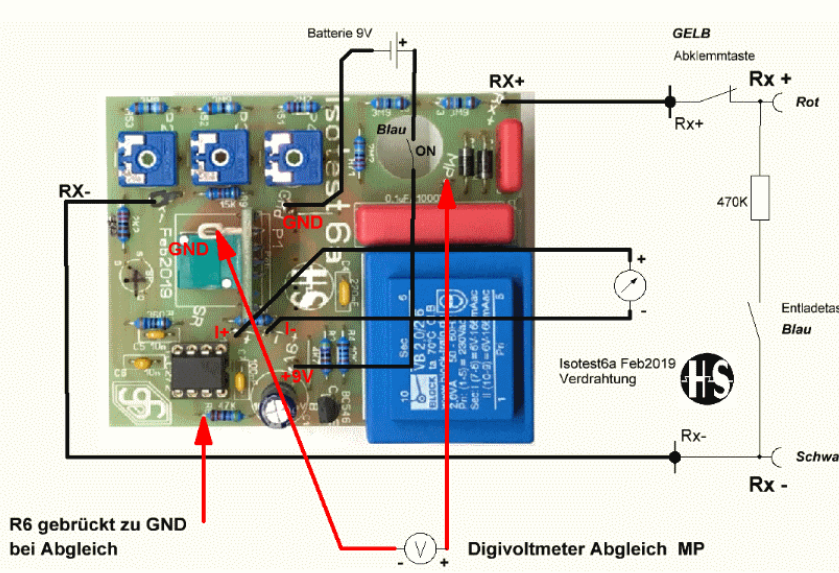
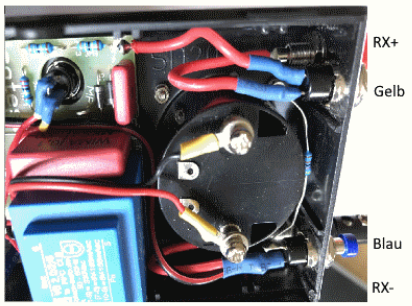
Isotest6a Feb2019 brief instruction

1. Housing drill holes, cutouts
2. Cut off the three FET wires (G, D, S, only for Test) Solder circuit board (without potentiometer).
3. Determine the potentiometer axis length. Insert board with potentiometer in the housing. Measure the axis carefully.
4. Cut potentiometer axis.
5. Solder the potentiometer to the Subprint and then solder this assembly (poti+subprint) to the board .
6. Adjust point **1** (with P4 MP set to 520V, R6 bridged).
7. Adjustment point **2** (with P2 MP set to 500V (P1 to max), R6 without bridge).
8. Installation of the two sockets (solder wires before).
9. Installation of the instrument in the housing
10. Installation of both buttons, wiring and discharge resistor. (Yellow is active open, Blue ist active close)
11. Installation Power ON button (Blue ist active close)
12. Board installation, fix the nut of the potentiometer.
13. Wireing: Rx +, Rx-, GND, + 9V, Battery Clip, Instrument + and –
14. Make an insulating strip from suitable plastic foil, for the battery .
15. Adjustment point **3** with battery (with P3 set pointer to 0V, if RX bridged)

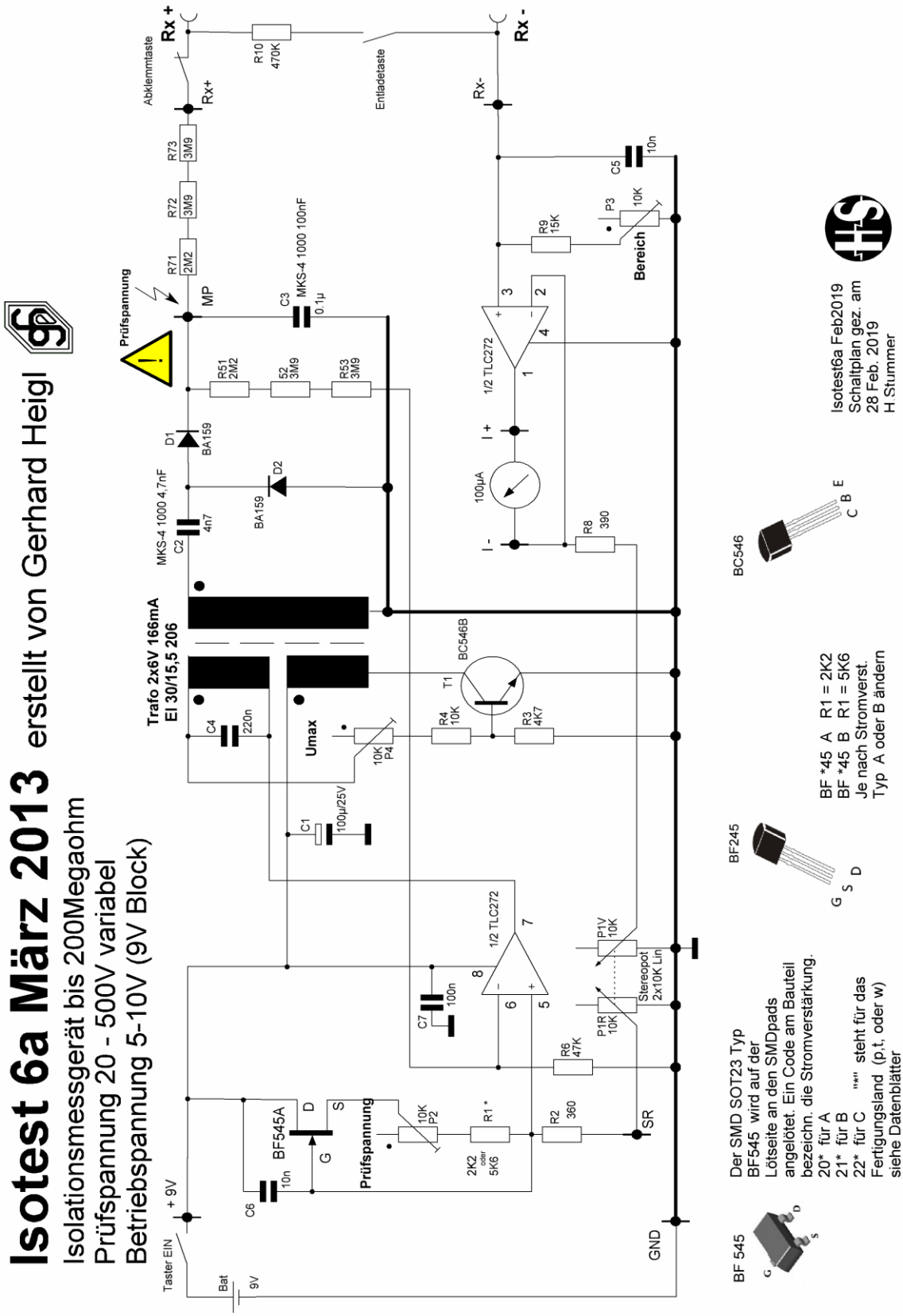






The most recent documents about Isotest and other projects can be seen here on my website.
https://saintummers.at
https://saintummers.at/bau/isotest.html

Schaltung


Isotest 6a März 2013 erstellt von Gerhard Heigl
Isolationsmessgerät bis 200Megaohm
Prüfspannung 20 - 500V variabel
Betriebspannung 5-10V (9V Block)
Rx +
Rx-
Abklemmtaste
Entladetaste
Prüfspannung
MP
Trafo 2x6V 166mA
EI 30/15,5 206
Umax
Bereich
1/2 TLC272
100µA
BC546B
BC546
BF245
BF 545
BF545A
Stereopot
2x10K Lin
Taster EIN
Bat
9V
GND
SR
Der SMD SOT23 Typ
BF545 wird auf der
Lötseite an den SMDpads
angelötet. Ein Code am Bauteil
bezeichn. die Stromverstärkung.
20* für A
21* für B
22* für C "*" steht für das
Fertigungsland (p,t, oder w)
siehe Datenblätter
BF *45 A R1 = 2K2
BF *45 B R1 = 5K6
Je nach Stromverst.
Typ A oder B ändern
Isotest6a Feb2019
Schaltplan gez. am
28 Feb. 2019
H.Stummer