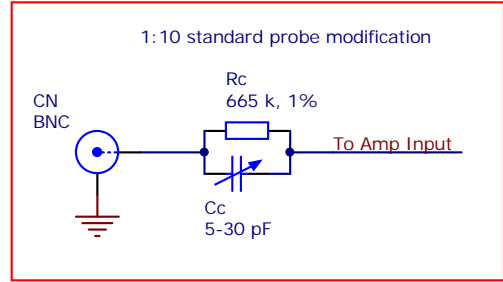
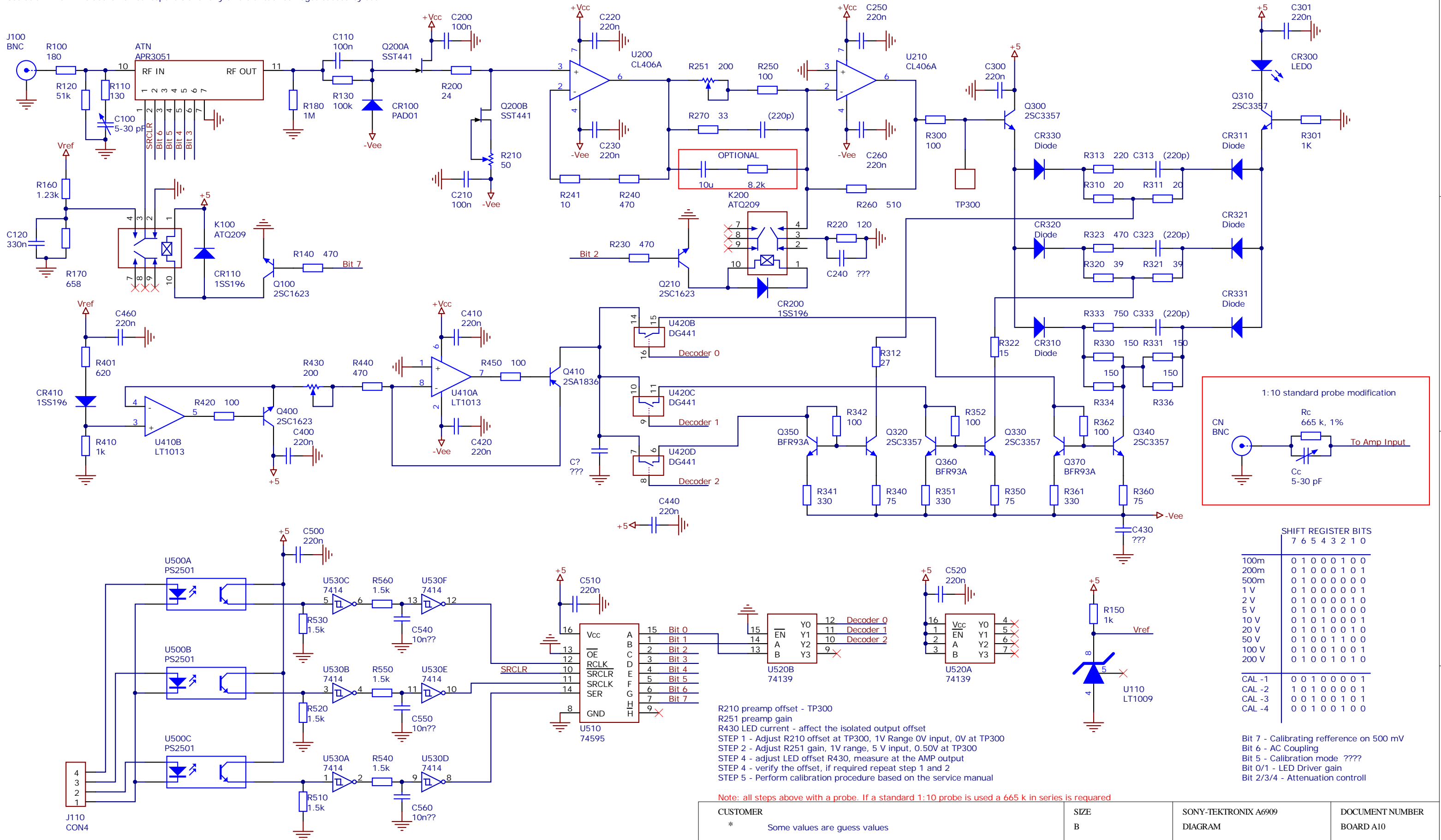


Use at own risk. The author is not responsible for any errors and/or damages caused by such.



	SHIFT REGISTER BITS
	7 6 5 4 3 2 1 0
100m	0 1 0 0 0 1 0 0
200m	0 1 0 0 0 1 0 1
500m	0 1 0 0 0 0 0 0
1 V	0 1 0 0 0 0 0 1
2 V	0 1 0 0 0 0 1 0
5 V	0 1 0 1 0 0 0 0
10 V	0 1 0 1 0 0 0 1
20 V	0 1 0 1 0 0 1 0
50 V	0 1 0 0 1 1 0 0
100 V	0 1 0 0 1 0 0 1
200 V	0 1 0 0 1 0 1 0
CAL -1	0 0 1 0 0 0 0 1
CAL -2	1 0 1 0 0 0 0 1
CAL -3	0 0 1 0 0 1 0 1
CAL -4	0 0 1 0 0 1 0 0

Bit 7 - Calibrating reference on 500 mV
 Bit 6 - AC Coupling
 Bit 5 - Calibration mode ???
 Bit 0/1 - LED Driver gain
 Bit 2/3/4 - Attenuation controll

- R210 preamp offset - TP300
- R251 preamp gain
- R430 LED current - affect the isolated output offset
- STEP 1 - Adjust R210 offset at TP300, 1V Range 0V input, 0V at TP300
- STEP 2 - Adjust R251 gain, 1V range, 5 V input, 0.50V at TP300
- STEP 4 - adjust LED offset R430, measure at the AMP output
- STEP 4 - verify the offset, if required repeat step 1 and 2
- STEP 5 - Perform calibration procedure based on the service manual

Note: all steps above with a probe. If a standard 1:10 probe is used a 665 k in series is required

CUSTOMER	SIZE	SONY-TEKTRONIX A6909	DOCUMENT NUMBER
* Some values are guess values	B	DIAGRAM	BOARD A10
DESIGN ACTIVITY		REVISION	SHEET NUMBER
* The power supply part is not shown		*	*