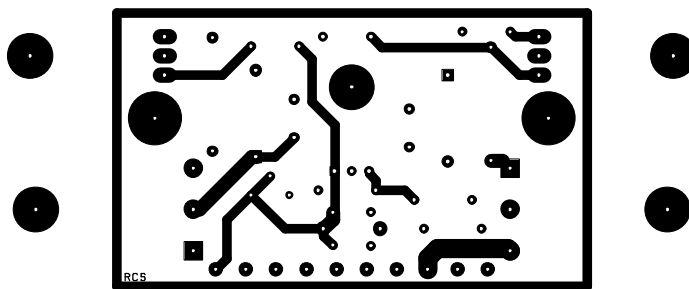
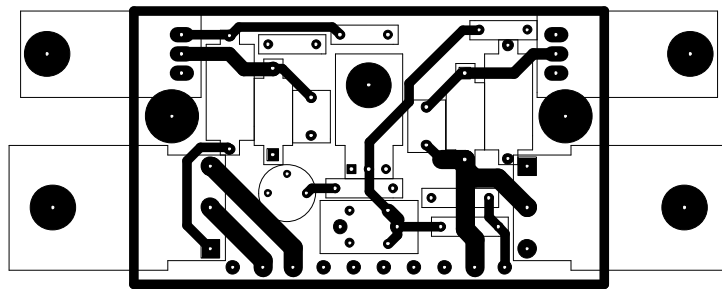


| DRILL CHART | | | | |
|-------------|-------|-----------|-----|------|
| SYM | DIAM | TOL | QTY | NOTE |
| X | 0.025 | +/-0.002" | 15 | |
| ⌘ | 0.030 | +/-0.002" | 4 | |
| + | 0.035 | +/-0.002" | 1 | |
| ◇ | 0.035 | +/-0.002" | 12 | |
| ⊠ | 0.040 | +/-0.002" | 4 | |
| ○ | 0.045 | +/-0.002" | 10 | |
| ⊞ | 0.060 | +/-0.002" | 12 | |
| ⊕ | 0.236 | +/-0.003" | 5 | |
| △ | 0.276 | +/-0.003" | 2 | |
| TOTAL | | | 65 | |

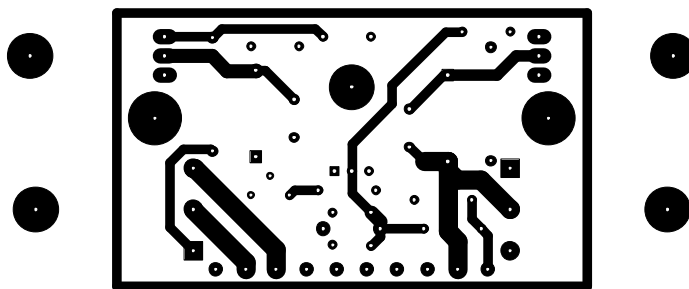
| BOARD STACKUP | |
|--|---------------------|
| TOTAL BOARD THICKNESS =62.00(mils) +/-5% | |
| BOARD IMPEDANCE = None | |
| Via Protection : None | |
| STK-0050-8.6TD | |
| STK-0050-8.6TS (LPI) | |
| STK-0050-8.6TL (Signal) | 1.00(mils) 1.00(oz) |
| Core FR-4 | 60.00(mils) |
| STK-0050-8.6BL (Signal) | 1.00(mils) 1.00(oz) |
| STK-0050-8.6BS (LPI) | |



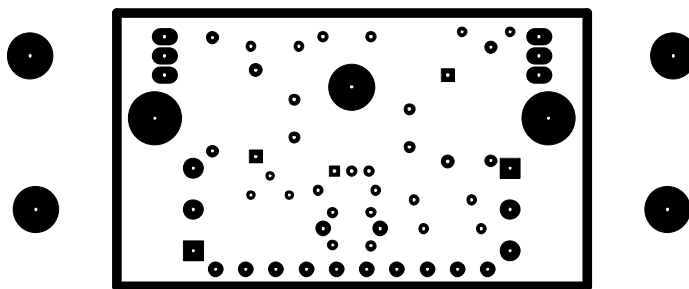
Top Side



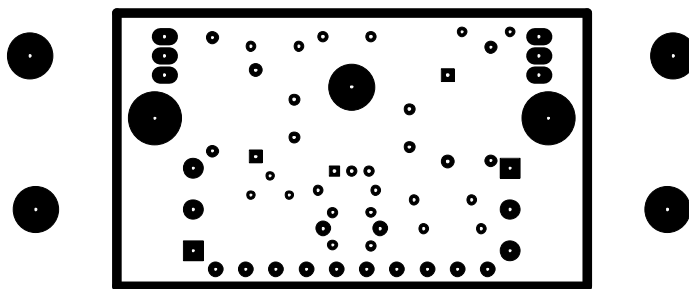
Bottom Side



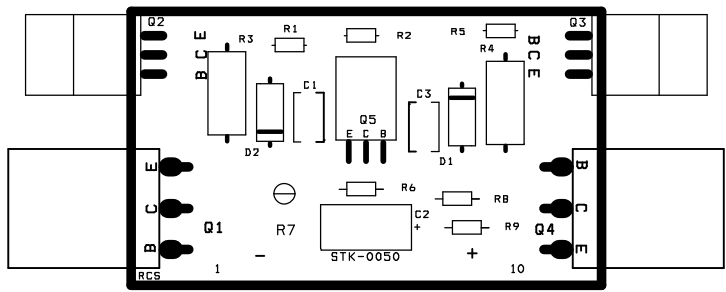
Bottom Side



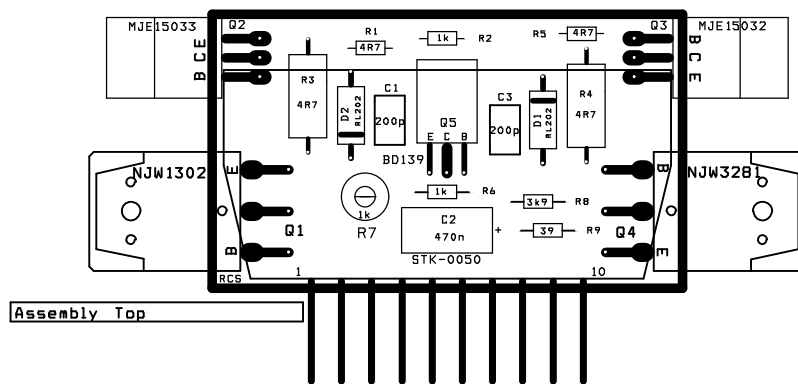
Soldermask Top

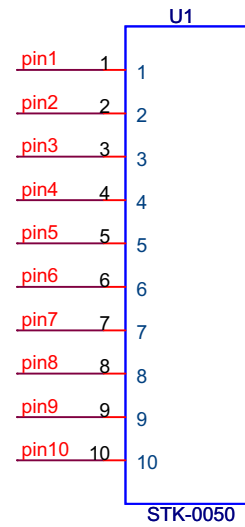
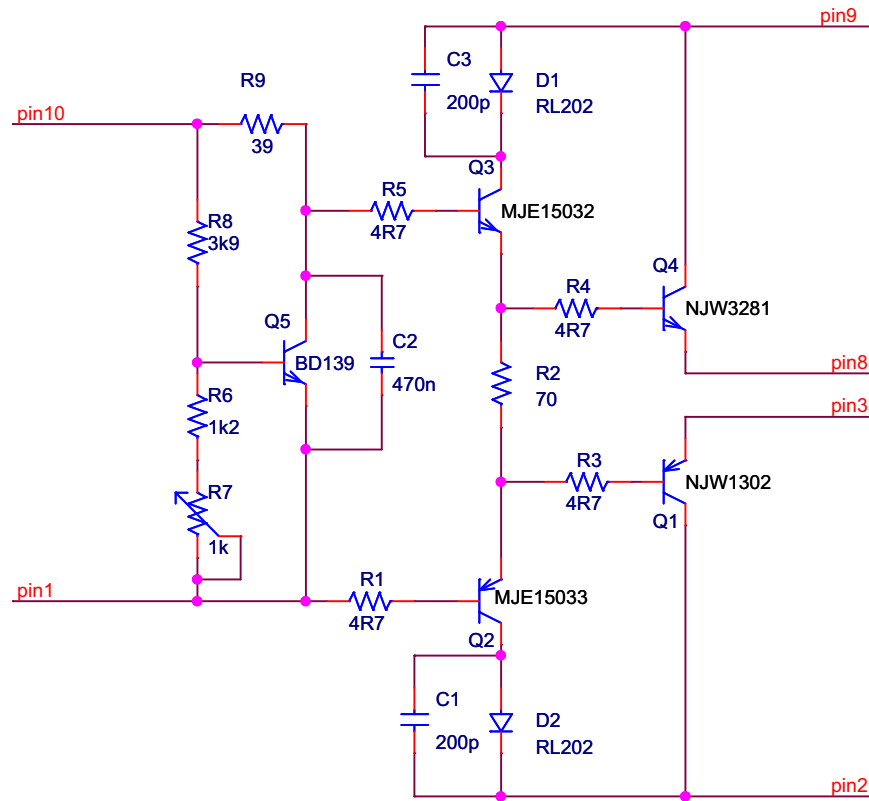


Soldermask Bottom

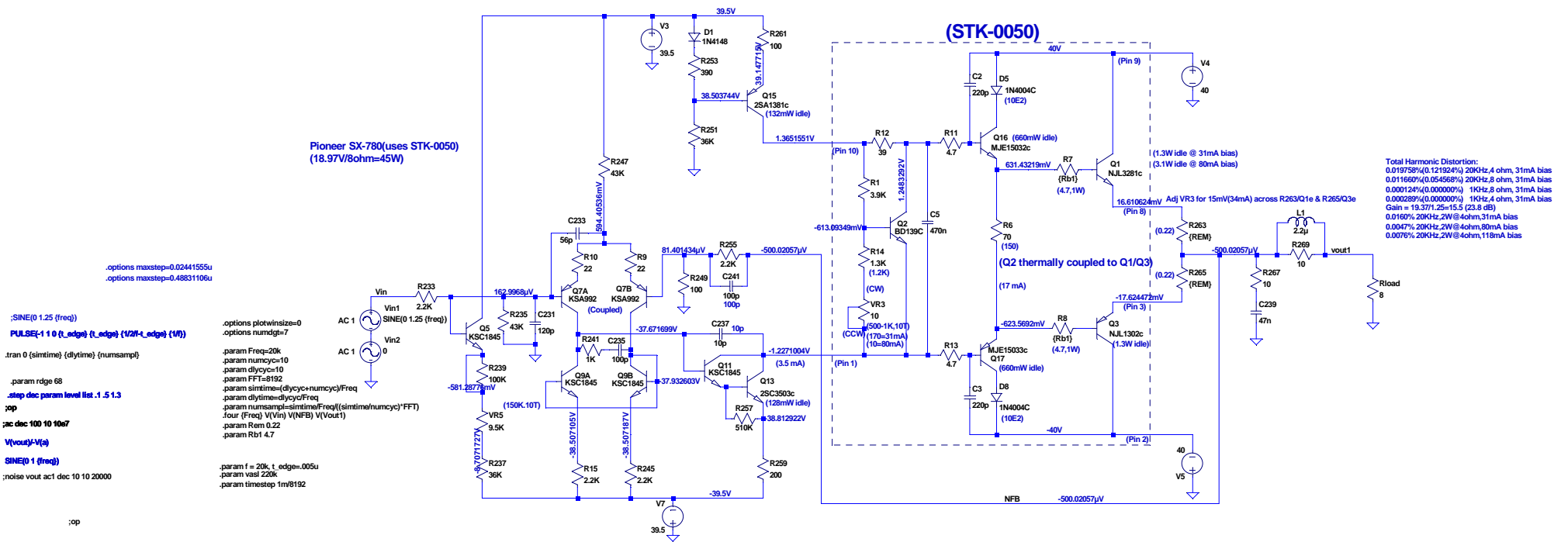


Silkscreen Top





| | | |
|----------|--------------------------|--------------|
| Title | | |
| STK-0050 | | |
| Size | Document Number | Rev |
| A | <Doc> | A0 |
| Date: | Sunday, January 31, 2016 | Sheet 1 of 1 |



1: STK-0050 Revised: Friday, March 18, 2016
 2: Revision: A0

3:
 4:
 5:
 6:
 7:
 8:
 9:

10: Bill Of Materials June 18,2016 11:15:41 Page1

11:

12: Item Qty Ref Part MFG1 MFG1_PN MFG2 MFG2_PN DIST1 DIST1_PN(MFG1) DIST1_PN(MFG2) DIST2 DIST2_PN(MFG1) DIST2_PN(MFG2)

13:

14:

15: 1 2 C1,C3 200p Murata RPE5C2A201J2P1Z03B Digi-Key 490-3636-ND
 16: 2 1 C2 470n
 17: 3 2 D1,D2 RL202 MCC RL202-TP Rectron FR202-B Mouser 833-RL202-TP 583-FR202-B Digi-Key RL202-TPCT-ND EGP20B-E3/54GITR-ND
 18: 4 1 Q1 NJW1302 OnSemi NJW1302G Mouser 863-NJW1302G Digi-Key NJW1302GOS-ND
 19: 5 1 Q2 MJE15033 OnSemi MJE15033G Mouser 863-MJE15033G Digi-Key MJE15033GOS-ND
 20: 6 1 Q3 MJE15032 OnSemi NJW3281G Mouser 863-MJE15032G Digi-Key MJE15032GOS-ND
 21: 7 1 Q4 NJW3281 OnSemi NJW3281G Mouser 863-NJW3281G Digi-Key NJW3281GOS-ND
 22: 8 1 Q5 BD139 Fairchild BD13916STU ST BD139-16 Mouser 512-BD13916STU 511-BD139-16 Digi-Key BD13916STU-ND 497-12750-5-ND
 23: 9 4 R1,R3,R4,R5 4R7
 24: 10 3 R2,R6,R7 1k
 25: 11 1 R8 3k9
 26: 12 1 R9 39
 27: 13 1 U1 STK-0050 Sanyo STK-0050 Mouser STK-0050 Digi-Key STK-0050 ?
 28: