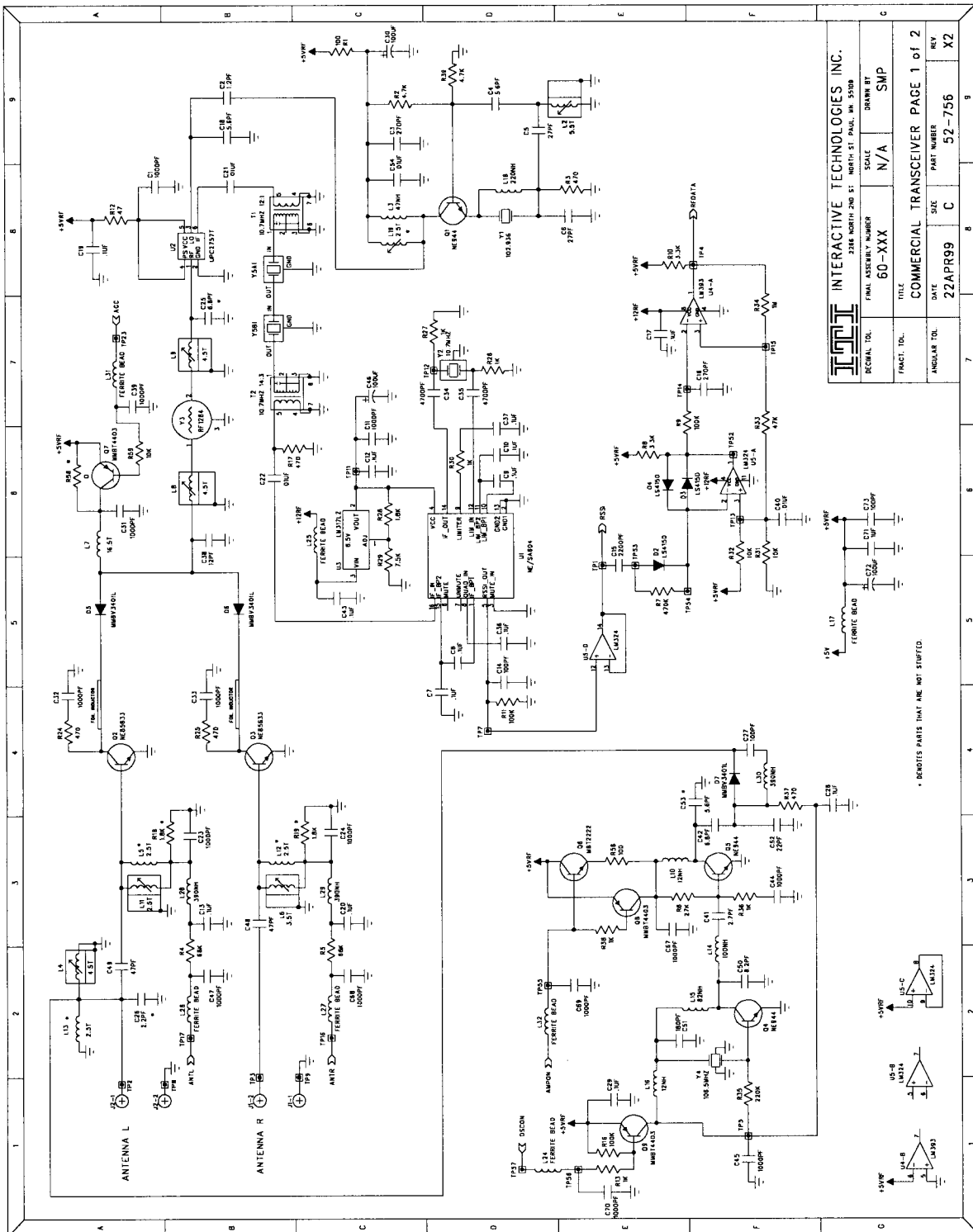
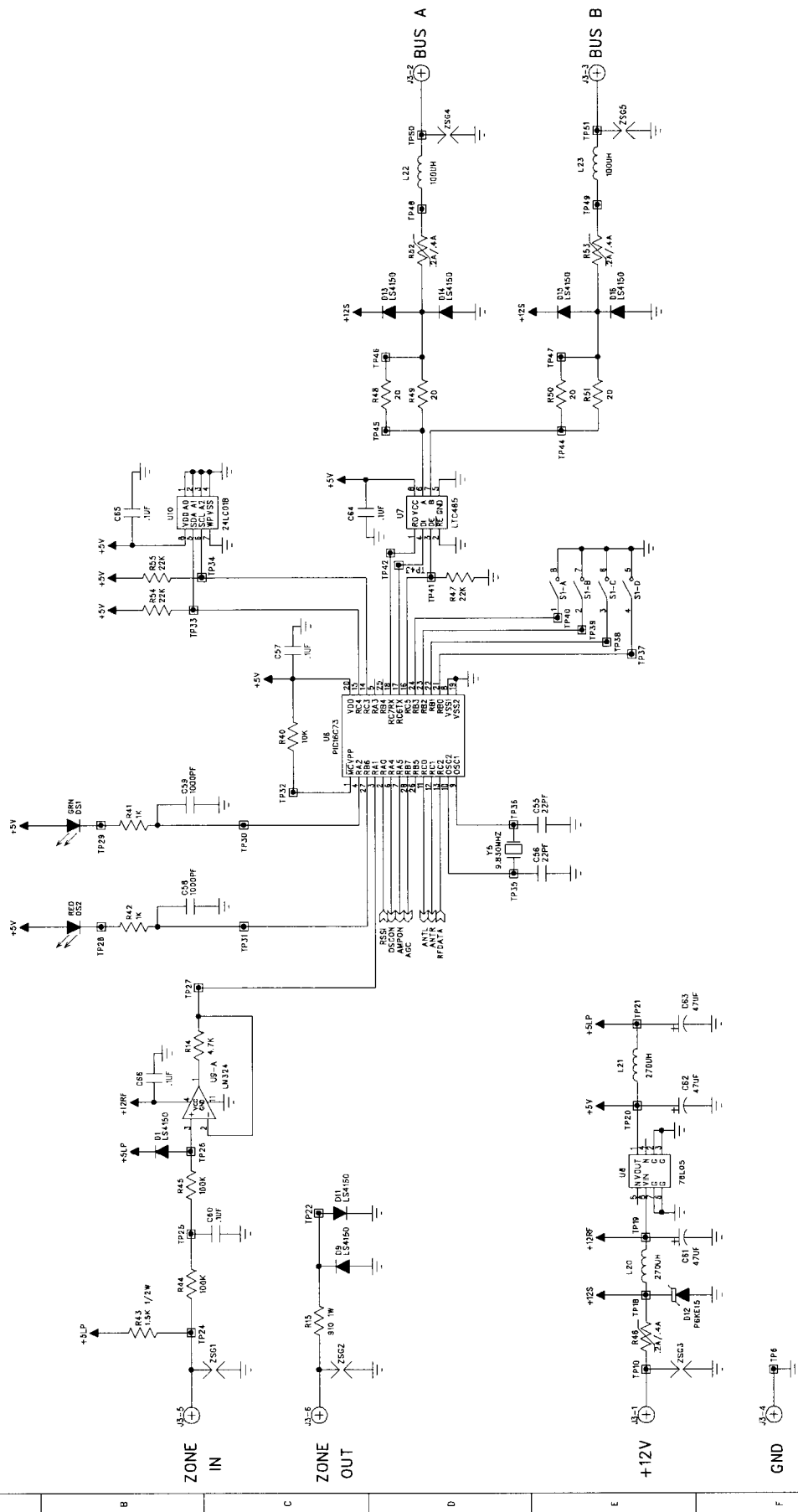




| 1    |  | 2   |  | 3        |  | 4      |  | 5  |  | 6  |  | 7 |  | 8 |  | 9 |  |
|------|--|-----|--|----------|--|--------|--|----|--|----|--|---|--|---|--|---|--|
| DATE |  | SYM |  | REVISION |  | RECORD |  | DR |  | CK |  |   |  |   |  |   |  |
|      |  |     |  |          |  |        |  |    |  |    |  |   |  |   |  |   |  |
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|              |  |                               |  |                   |  |                          |  |
|--------------|--|-------------------------------|--|-------------------|--|--------------------------|--|
| DRAWN        |  | INTERACTIVE TECHNOLOGIES INC. |  | 2266 NORTH 2ND ST |  | NORTH ST. PAUL, MN 55109 |  |
| CHECKED      |  | FINAL ASSEMBLY NUMBER         |  | 60-XXX            |  | SCALE                    |  |
| APPROVED     |  | DRAWN BY                      |  | SMP               |  |                          |  |
| TITLE        |  | COMMERCIAL TRANSCEIVER        |  | PG 2 OF 2         |  | REV                      |  |
| DATE         |  | 22APR99                       |  | SIT               |  | PART NUMBER              |  |
| ANGULAR TOL. |  | 52-756                        |  | X2                |  |                          |  |



| Qty | Reference | Part Name            | Description                         |
|-----|-----------|----------------------|-------------------------------------|
| 1   | 02-031    | R43                  | 1.5K                                |
| 1   | 03-XXX    | R15                  | 910 OHM 1W                          |
| 1   | 10-025    | U3                   | LM317LZ                             |
| 1   | 10-031    | U8                   | LM78L05AC                           |
| 1   | 14-243    | U1                   | NE/SA604                            |
| 2   | 14-257    | U5 U9                | LM324                               |
| 1   | 14-263    | U4                   | LM393                               |
| 1   | 14-313    | U7                   | LTC485 BUS DRIVER                   |
| 1   | 14-331    | U6                   | PIC16C73                            |
| 1   | 14-332    | U2                   | UPC2757T                            |
| 3   | 17-002    | C61-63               | 47UF,20%,25V                        |
| 3   | 17-068    | C30 C46 C72          | 100UF,20%,10V                       |
| 1   | 21-035    | D12                  | ZENER OVERVOLATGE, P6KE15,<br>15VBR |
| 1   | 21-038    | Y2                   | 10.7MHZ +/-30 KHZ                   |
| 1   | 21-064    | Y3                   | RF1284 SAW FILTER                   |
| 3   | 21-077    | R46 R52-53           | SMD020                              |
| 1   | 21-078A   | Y5A1                 | 40KHZ. XTAL FILTER                  |
| 1   | 21-078B   | Y5B1                 | 40KHZ. XTAL FILTER                  |
| 1   | 22-092    | T2                   | 10.7MHZ IF TRANSFORMER 14:3         |
| 1   | 22-093    | T1                   | 10.7MHZ IF TRANSFORMER 12:1         |
| 1   | 23-011    | L7                   | 16.5T                               |
| 2   | 23-020    | L22-23               | 100UH                               |
| 3   | 23-090    | L5 L12-13            | 2.5T                                |
| 1   | 23-119    | L15                  | 82NH SMT IND2012                    |
| 2   | 23-120    | L10 L16              | 12NH SMT IND2012                    |
| 3   | 23-124    | L28-30               | 390NH SMT IND2012                   |
| 1   | 23-126    | L18                  | 220NH SMT IND2012                   |
| 1   | 23-133    | L3                   | 47NH SMT IND2012                    |
| 1   | 23-134    | L14                  | 100NH SMT IND2012                   |
| 2   | 23-139    | L20-21               | 270UH                               |
| 7   | 23-152    | L17 L24-27<br>L31-32 | 1206 FERRITE BEAD                   |
| 1   | 24-005    | L19                  | 2.5T                                |
| 1   | 24-011    | L6                   | 3.5 TURN SHIELDED                   |
| 1   | 24-013    | L2                   | 5.5 TURN SHIELDED                   |
| 1   | 24-017    | L4                   | 4.5 TURN SHIELDED                   |
| 1   | 24-022    | L11                  | 2.5 TURN SHIELDED                   |
| 2   | 24-028    | L8-9                 | 4.5 TURN SHIELDED                   |
| 1   | 14-XXX    | U10                  | 24LC01B 1K SER EEPROM SMT           |
| 1   | 26-025    | S1                   | 4 POS DIP SW                        |
| 1   | 27-001    | DS2                  | RED                                 |
| 1   | 27-002    | DS1                  | GRN                                 |
| 1   | 29-064    | Y1                   | 102.93366MHZ                        |

|    |        |                |                          |
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| 1  | 29-098 | Y4             | 106.5MHZ CRYSTAL SMD     |
| 1  | 29-118 | Y5             | 9.830MHZ                 |
| 2  | 31-485 | J1-2           | 2 POS,SCREW TERM         |
| 1  | 31-560 | J3             | 6 POS TERM BLOCK .325C-C |
| 4  | 61-136 | R48-51         | 20 OHM,SMT               |
| 2  | 61-050 | R44-45         | 100K,SMT                 |
| 12 | 62-056 | C7-10 C12 C17  | .1UF 1206 X7R CAPACITOR  |
|    |        | C19 C36-37 C43 |                          |
|    |        | C60 C71        |                          |
| 1  | 63-001 | Q6             | MMBT2222L,SMT            |
| 2  | 63-002 | Q2-3           | NE85633,SMT              |
| 3  | 63-009 | Q7-9           | MMBT4403L                |
| 3  | 63-018 | Q1 Q4-5        | NE944,SMT                |
| 2  | 64-008 | D5-6           | MMBV34011,SMT            |
| 1  | 64-008 | D7             | MMBV3401L,SMT,PIN DIODE  |
| 10 | 64-019 | D1-4 D9 D11    | LS4150                   |
|    |        | D13-16         |                          |
| 1  | 89-012 | R58            | 0603 JUMPER              |
| 1  | 89-015 | R12            | 47 0603 RESISTOR         |
| 2  | 89-027 | R1 R56         | 100 0603 RESISTOR        |
| 5  | 89-005 | R3 R17 R24-25  | 470 0603 RESISTOR        |
|    |        | R37            |                          |
| 3  | 89-008 | R18-19 R28     | 1.8K 0603 RESISTOR       |
| 3  | 89-004 | R9 R11 R16     | 100K 0603 RESISTOR       |
| 4  | 89-001 | R31-32 R40 R59 | 10K 0603 RESISTOR        |
| 8  | 89-009 | R13 R26-27 R30 | 1K 0603 RESISTOR         |
|    |        | R36 R38 R41-42 |                          |
| 1  | 89-023 | R34            | 1M 0603 RESISTOR         |
| 1  | 89-024 | R35            | 220K 0603 RESISTOR       |
| 3  | 89-070 | R47 R54-55     | 22K 0603 RESISTOR        |
| 1  | 89-061 | R6             | 27K 0603 RESISTOR        |
| 2  | 89-051 | R8 R10         | 3.3K 0603 RESISTOR       |
| 3  | 89-028 | R2 R14 R39     | 4.7K 0603 RESISTOR       |
| 1  | 89-003 | R7             | 470K 0603 RESISTOR       |
| 1  | 89-002 | R33            | 47K 0603 RESISTOR        |
| 2  | 89-011 | R4-5           | 68K 0603 RESISTOR        |
| 1  | 89-057 | R29            | 7.5K 0603 RESISTOR       |
| 4  | 90-024 | C21-22 C40 C54 | .01UF X7R 0603 CAP       |
| 8  | 90-007 | C13 C20 C28-29 | .1UF X7R 0603 CAP        |
|    |        | C57 C64-66     |                          |
| 1  | 90-017 | C2             | 1.2PF COG 0603 CAP       |
| 17 | 90-004 | C1 C11 C23-24  | 1000PF X7R 0603 CAP      |
|    |        | C31-33 C39     |                          |
|    |        | C44-45 C47     |                          |
|    |        | C58-59 C67-70  |                          |
| 3  | 90-012 | C14 C27 C73    | 100PF COG 0603 CAP       |
| 1  | 90-013 | C38            | 12PF COG 0603 CAP        |
| 1  | 90-014 | C51            | 180PF COG 0603 CAP       |

|    |        |            |                     |
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| 1  | 90-019 | C26        | 2.2PF COG 0603 CAP  |
| 1  | 90-020 | C41        | 2.7PF COG 0603 CAP  |
| 1  | 90-025 | C15        | 2200PF X7R 0603 CAP |
| 3  | 90-009 | C52 C55-56 | 22PF COG 0603 CAP   |
| 2  | 90-027 | C3 C16     | 270PF COG 0603 CAP  |
| 2  | 90-028 | C5-6       | 27PF COG 0603 CAP   |
| 2  | 90-032 | C34-35     | 4700PF X7R 0603 CAP |
| 2  | 90-034 | C48-49     | 47PF COG 0603 CAP   |
| 3  | 90-022 | C4 C18 C53 | 5.6PF COG 0603 CAP  |
| 2  | 90-011 | C25 C42    | 6.8PF COG 0603 CAP  |
| 1  | 90-023 | C50        | 8.2PF COG 0603 CAP  |
| 5  | N/A    | ZSG1-5     | SPARKGAP            |
| 57 | N/A    | TP1-57     | TESTPOINT           |