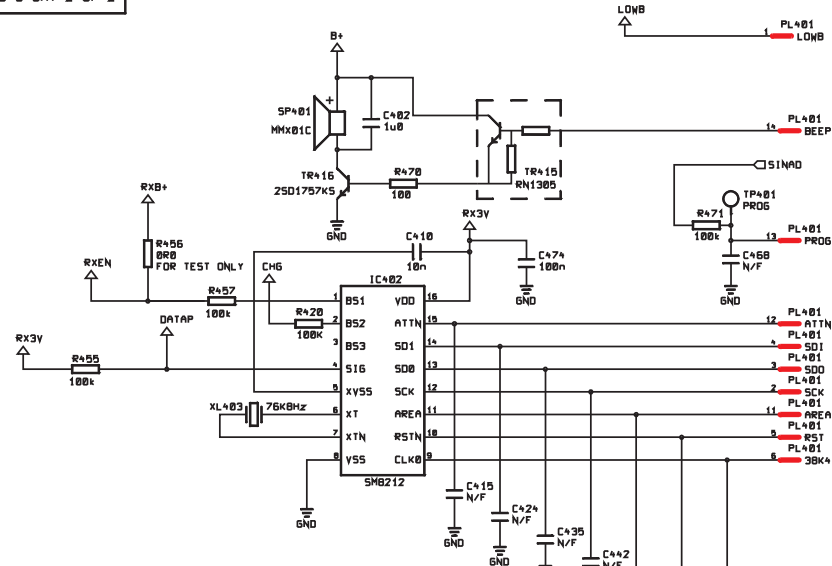


# TLA853T RADIO CIRCUIT DIAGRAM 2961-5025 ISS 5 SHT 2 OF 2



| FREQUENCY BANDING INFORMATION |                   |                   |                   |                   |                   |                   |                   |                   |                   |           |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------|
| FREQ MHz                      | 412.000 - 416.000 | 430.000 - 434.999 | 435.000 - 439.999 | 440.000 - 443.999 | 444.000 - 446.999 | 447.000 - 450.999 | 451.000 - 456.999 | 457.000 - 462.999 | 463.000 - 469.999 |           |
| BAND                          | 0                 | 1                 | 2                 | 3                 | 4                 | 5                 | 6                 | 7                 | 8                 | 8         |
| LEADED B.O.M.                 | 0201-1088         | 0201-0983         | 0201-0984         | 0201-0985         | 0201-0986         | 0201-0987         | 0201-0988         | 0201-0989         | 0201-0990         | 0201-0922 |
| SMD B.O.M.                    | 0301-1092         | 0301-0967         | 0301-0968         | 0301-0969         | 0301-0970         | 0301-0971         | 0301-0972         | 0301-0973         | 0301-0974         | 0301-0898 |
| C428                          | 10p               | 13p               | 13p               | 13p               | 13p               | 12p               | 12p               | 12p               | 11p               |           |
| C459                          | 18p               | 11p               | 11p               | 11p               | 18p               | 18p               | 18p               | 8p2               | 8p2               |           |
| C463                          | 12p               | 13p               | 13p               | 12p               | 12p               | 11p               | 11p               | 10p               | 10p               |           |
| C464                          | 12p               | 12p               | 12p               | 12p               | 12p               | 11p               | 11p               | 11p               | 10p               |           |
| L401                          | 18n               | 15n               | 19n               | 12n               | 12n               | 12n               | 12n               | 12n               | 12n               |           |
| XL401                         | 44.545MHz         | 44.545MHz         | 44.545MHz         | 44.545MHz         | 45.445MHz         | 44.545MHz         | 44.545MHz         | 44.545MHz         | 44.545MHz         |           |
| L409                          | 680n              | 470n              | 470n              | 470n              | 470n              | 470n              | 470n              | 470n              | 470n              |           |
| L411                          | 15n               | 8n2               | 8n2               | 8n2               | 8n2               | 8n2               | 8n2               | 8n2               | 8n2               |           |
| L408                          | 330n              | 270n              | 270n              | 270n              | 270n              | 270n              | 270n              | 270n              | 270n              |           |
| L407                          | 22n               | 15n               | 15n               | 15n               | 15n               | 15n               | 15n               | 15n               | 15n               |           |
| C441                          | 2p7               | 1p8               | 1p8               | 1p8               | 1p8               | 1p8               | 1p8               | 1p8               | 1p8               |           |
| C401                          | 15p               | 8p2               | 8p2               | 8p2               | 8p2               | 8p2               | 8p2               | 8p2               | 8p2               |           |

| CHANNEL SPACING |            |          |
|-----------------|------------|----------|
|                 | 10/12.5KHz | 20/25KHz |
| FL402           | SFPC455F   | SFPC455D |
| FL403           | SFPC455F   | SFPC455D |
|                 |            |          |

| BAUD RATE OPTIONS |      |      |      |
|-------------------|------|------|------|
|                   | 512  | 1200 | 2400 |
| R425              | 180k | 82k  | 39k  |
| R428              | 180k | 82k  | 39k  |
| R429              | 180k | 82k  | 39k  |

DRG No.

2961-5025

SHEET

20F2

B

| ISSUE | AMENDMENT                                 | DATE    |
|-------|-------------------------------------------|---------|
| A     | INTRODUCED                                | 22-4-97 |
| B     | D.C.N. 2222                               | 7-5-97  |
| C     | D.C.N. 2219<br>D.C.N. 2232                | 5-6-97  |
| D     | D.C.N. 2233                               | 19-6-97 |
| 1     | PRODUCTION ISSUE                          | 24-6-97 |
| 2     | P.C.N. 4889                               | 30-6-97 |
| 3     | P.C.N. 4944<br>P.C.N. 4978<br>P.C.N. 5096 | 4/4/98  |
| 4     | P.C.N. 5169                               | 17/8/98 |
| 5     | PCN 5558                                  | 18.8.00 |
| 6     | PCN 5628                                  | 1.11.00 |

TOLERANCES UNLESS STATED OTHERWISE  
± 0.4 TO 1 DEC. PLACE  
± 0.2 TO 2 DEC. PLACES ANGLES ± 1/2°  
± 0.1 TO 3 DEC. PLACES  
HOLES ± 0.05 UP TO 5 ± 1% ABOVE  
CONCENTRICITY TO WITHIN 0.1 DIA.  
ALL THREADS TO BS3643 PT2 1981 CLASS 6H - 6g

MATERIAL

FINISH

DIMENSIONS IN mm

SCALE

THIRD ANGLE PROJECTION

| NAME                   | DATE    |
|------------------------|---------|
| DRAWN J. TOMLINSON     | 13-3-97 |
| CHECKED L. HART        | 26-6-97 |
| APPROVED T. LOMAX      | 26-6-97 |
| APPROVED D. WHITEFIELD | 26-6-97 |

DRG No.

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