

TC9318FB-001

DIGITAL TUNING SYSTEM

The TC9318FB-001 is a single-chip digital tuning system optimum for portable sets such as headphone radios, etc., 5-band of FM/MW/LW/TV/SW are provided compatibly with worldwide destinations.

FEATURES

- Receiving band (direct jumper = 0)

| AREA | CODE | | BAND | FREQUENCY RANGE [Hz] | STEP [Hz] | FREF [Hz] | IF [Hz] |
|-------------------------------------|------------|-----|------|----------------------|-----------|-----------|---------|
| | A1 | A0 | | | | | |
| USA (Note 1) | 0 | 0 | FM | 87.5 ~ 108.0M | 50 / 200k | 25k | + 10.7M |
| | | | MW | 522 ~ 1620k | 9k | 3k | + 450k |
| | | | | 520 ~ 1710k | 10k | 5k | |
| TV | 2 ~ 13ch | 1ch | 25k | + 10.7M | | | |
| General | 0 | 1 | FM | 87.5 ~ 108.0M | 50 / 100k | 25k | + 10.7M |
| | | | MW | 522 ~ 1620k | 9k | 3k | + 450k |
| | | | | 520 ~ 1620k | 10k | 5k | |
| LW | 144 ~ 281k | 1k | 1k | | | | |
| Europe East / Europe (Note 2) | 1 | 0 | FM | 65.0 ~ 74.0M | 50k | 25k | + 10.7M |
| | | | | 87.5 ~ 108.0M | 50k | 25k | + 10.7M |
| | | | MW | 531 ~ 1611k | 9k | 3k | + 450k |
| | | | | 530 ~ 1610k | 10k | 5k | |
| LW | 144 ~ 281k | 1k | 1k | | | | |
| Japan (Note 3) | 1 | 1 | FM | 76.0 ~ 108.0M | 100k | 25k | - 10.7M |
| | | | | 76.0 ~ 90.0M | 100k | 25k | - 10.7M |
| | | | | 76.0 ~ 3ch | 100k | 25k | - 10.7M |
| | | | MW | 522 ~ 1629k | 9k | 3k | + 450k |
| | | | | 520 ~ 1620k | 10k | 5k | |
| TV | 1 ~ 12ch | 1ch | 25k | - 10.7M | | | |
| | SW1 | SW0 | | | | | |
| | 0 | 1 | SW | 5.95 ~ 15.6M | 5k | 5k | 450k |
| | 1 | 0 | | 3.8 ~ 12.5M | | | |

(Note 1) If step is 200kHz, range is 87.5~108.1MHz.

(Note 2) The frequency range of FM in Europe area is according to FMstep jumper.

(Note 3) The frequency range of FM in Japan area is according to FMstep and LW / TVenable jumper.

○ Receiving band (direct jumper = 1)

| BAND | RECEIVING BAND [Hz] | STEP [Hz] | FREF [Hz] | IF [Hz] | | METER BAND | NOTE | |
|----------------|------------------------------|------------------|-----------|---------------------------------|-----------------------|------------|-----------------------------|-----------------------------|
| | | | | 1'st | 2'nd | | | |
| AM | LW 150 ~ 285k (Note 1) | 1k | 1k | 10.7M / + 54.25M (Note 3) | + 450k | — | DOUBLE / SINGLE CONV. | |
| | | | | | | | | 150 ~ 528k (Note 1) |
| | MW | 531 ~ 1611k | 9k | 1k | + 10.7M / + 54.25M | + 450k | — | DOUBLE / SINGLE CONV. |
| | | 530 ~ 1610k | 10k | 1k | | | | |
| | SW | 1615 ~ 2245k | 5k | 1k | + 10.7M / + 54.25M | + 450k | — | DOUBLE / SINGLE CONV. |
| | | 2250 ~ 2550k | | | | | 120M | |
| | | 3150 ~ 3450k | | | | | 90M | |
| | | 3850 ~ 4050k | | | | | 75M | |
| | | 4700 ~ 5100k | | | | | 60M | |
| | | 5900 ~ 6250k | | | | | 49M | |
| | | 7000 ~ 7400k | | | | | 41M | |
| | | 9400 ~ 10000k | | | | | 31M | |
| | | 11500 ~ 12150k | | | | | 25M | |
| | | 13500 ~ 13900k | | | | | 21M | |
| | | 15000 ~ 15700k | | | | | 19M | |
| 17450 ~ 18000k | | 16M | | | | | | |
| 21400 ~ 21950k | | 13M | | | | | | |
| 25600 ~ 26100k | 11M | | | | | | | |
| 26105 ~ 29995k | — | | | | | | | |
| FM | 87.50 ~ 108.00M | 50k (Note 2) | 25k | + 10.7M | — | — | — | |
| | 76.00 ~ 108.00M | 100k (Note 2) | 25k | - 10.7M | — | | | |

(Note 1) Setting Saudi jumper.

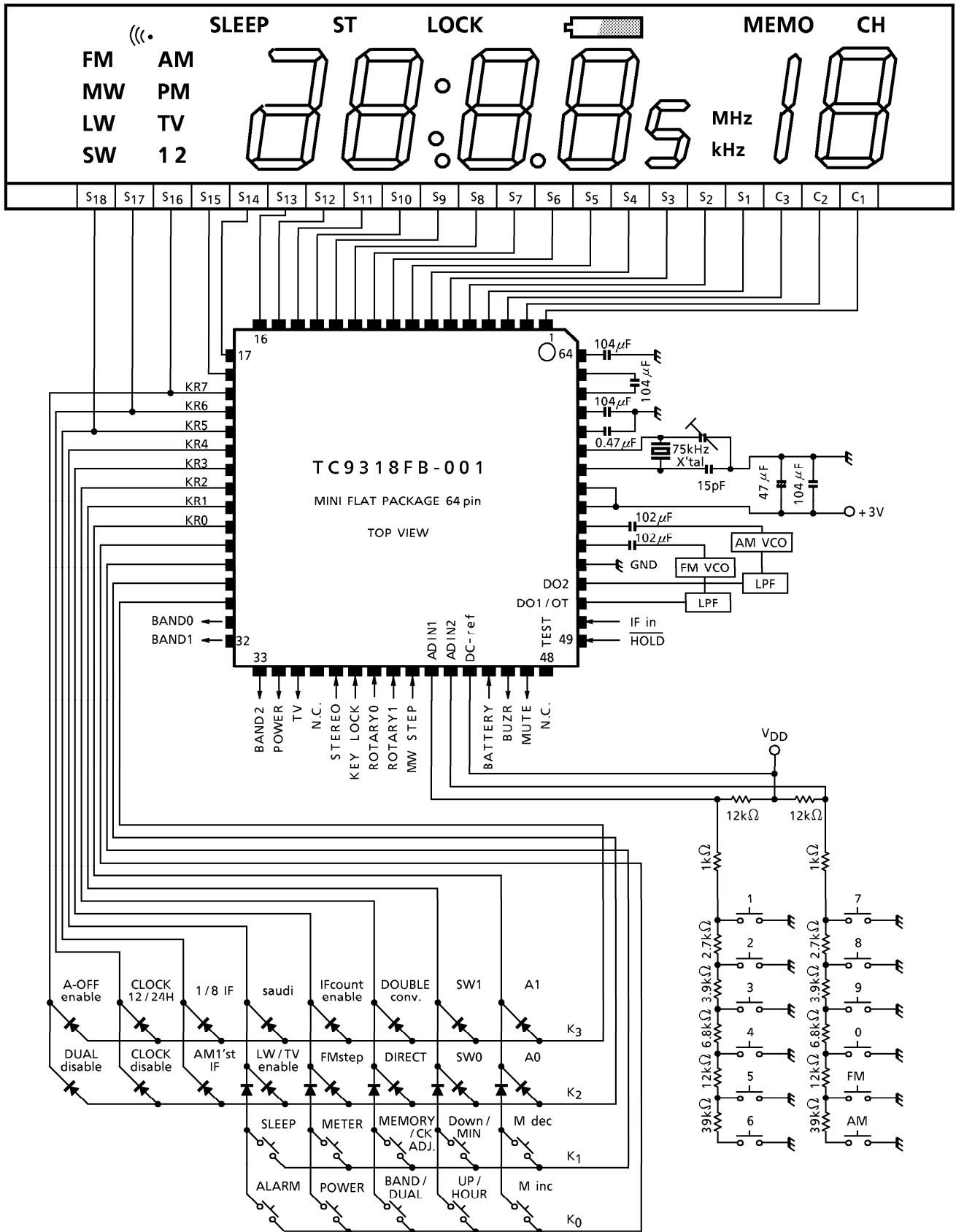
(Note 2) Setting FMstep jumper.

(Note 3) Setting AM1stIF jumper.

(Note 4) TV band is nothing.

LW / TVenable, A0, A1, SW0, SW1 jumper is disable.

- Tuning function
 - manual tuning (up/down)
(Normal tuning or dial tuning)
 - direct tuning (DIRECT JUMPER = 1)
 - seek tuning
- MEMORY FUNCTION
 - DIRECT JUMPER = 0
 - Fixed FM/MW/LW/TV/SW each band 10 stations
 - Last Memory each band
 - DIRECT JUMPER = 1
 - Random 18 stations
 - No Last Memory
- CLOCK FUNCTION
 - DUAL CLOCK FUNCTION
 - 12/24H CLOCK
 - SLEEP TIMER FUNCTION
 - ALARM TIMER FUNCTION
- OTHER FUNCTION
 - AUTO OFF FUNCTION
 - BATTERY CHECK FUNCTION



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