

TOSHIBA CMOS Digital Integrated Circuit Silicon Monolithic

TC9304F-047

Single Chip DTS Micro Controller (DTS-10)

TC9304F-047 is a single chip digital tuning system for car audio use.

Having the capability corresponding to the requirement of the whole world with the abundant specification selecting jumpers, this system is provided with the functions for two bands or three bands, clock and tape.

Features

Receiving Band

AREA	CODE		BAND	RECEIVING BAND [Hz]	STEP [Hz]	FREF [Hz]	IF [Hz]
	E1	E0					
—	0	0	FM	87.50~108.00M	50k	25k	+ 10.7M
	0	1		87.5~ 107.9M	200k		
	1	0		76.1~ 89.9M	100k		
	1	1		87.50~108.00M	50k		- 10.7M
	0	0	MW	531~ 1602k	9k	9k	
	0	1		530~ 1710k	10k	10k	+ 450k
	1	0		522~ 1629k	9k	9k	
	1	1		531~ 1602k	9k	9k	
	0	0	LW (*)	153 / 155~ 281k	1k	1k	+ 450k

*: MW and LW are operating as one band.

UP.....LW 281 kHz → MW 531 kHz→ MW 1602 kHz → LW 155 kHz...

DOWNMW 1602 kHz ← LW 153 kHz ← LW 281 kHz ← MW 531 kHz...

During auto search tuning and hold search tuning, it's 9 kHz step in LW band.

Outline of function**Tuning Function**

- Manual UP/DOWN tuning
- Auto-search tuning (SEEK)
- Hold-search tuning (SCAN)
- Memory scan tuning

Memory Function

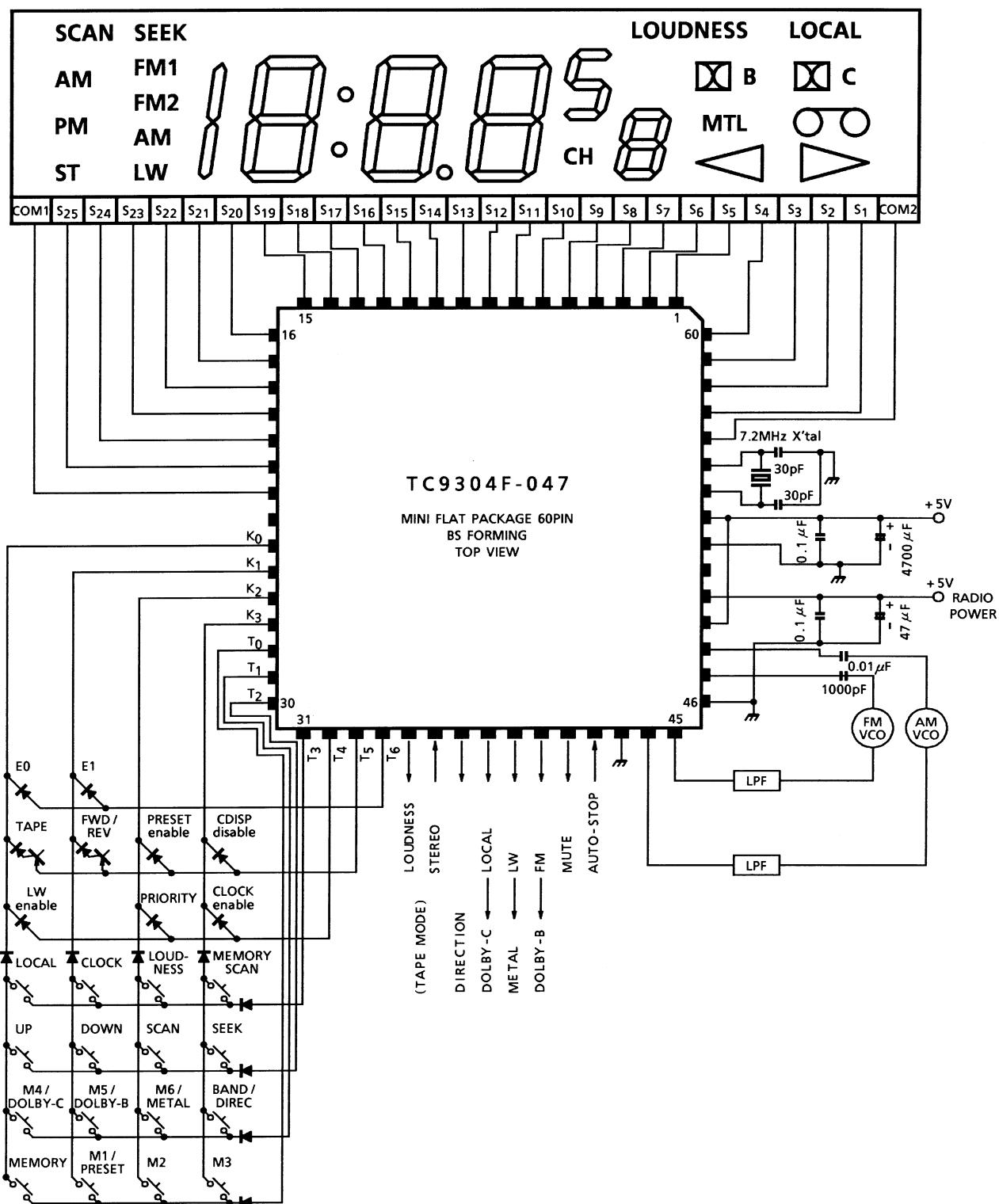
- Each band (FM1, FM2, MW/LW): 6 stations, 3 bands \times 6 stations = 18 stations max.
But the receiving range of each band of FM1 and FM2 are the same.
- Auto-memory function
- Preset method can be chosen 1 key type or 6 keys type.
- Built-in tracking data

Clock function

- 12/24-h clock
- Clock function is optional.
- Clock display is optional at radio off mode.

Others

The abundant function switches and display for tape deck control.



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