

TC9316F-001**DTS MICRO CONTROLLER (DTS-11)**

The TC9316F-001 is a digital tuning system optimum for portable sets such as pocket radios, headphone stereo sets, etc... By combining TC9316F-001 with prescaler TD7101F or TD6134AF, 4-band of FM/MW/LW (TV)/SW are provided compatibly with worldwide destinations.

FEATURES

○ Receiving band

AREA	CODE		MW STEP	FM STEP	BAND	RECEIVING FREQUENCY [Hz]	STEP [Hz]	FREF [Hz]	IF [Hz]
	E0	E1							
U.S.A.	0	0	—	—	TV	2~13ch	1ch	3.125k	10.7M
			0 / 1	FM	(*1) 87.5~108.0M	100 / 200k	12.5k		
			0	—	MW	520~ 1710k	10k	5k	450k
			1	—		522~ 1620k	9k	3k	
East Eur.	0	1	—	0 / 1	FM	65.0~ 74.0M 87.5~108.0M	50 / 100k	12.5k	450k
			0	—	MW	522~ 1620k	9k	3k	
			1	—		520~ 1620k	10k	5k	
			—	—	LW	144~ 281k	1 / 9k (*3)	1k	
General	1	0	—	0 / 1	FM	87.5~108.0M	50 / 100k	12.5k	450k
			0	—	MW	522~ 1620k	9k	3k	
			1	—		520~ 1620k	10k	5k	
			—	—	LW	144~ 281k	1 / 9k (*3)	1k	
China	1	1	—	0 / 1	FM	87.0~108.0M	50 / 100k	12.5k	10.7M
			0	—	MW	522~ 1611k	9k	3k	450k
			1	—		531~ 1602k			
—	SW ₀	SW ₁	—	—	—	—	—	—	—
(*2) SW	0	0	—	—	—	—	—	—	—
	0	1	—	—	SW	3.8~ 12.5M	5k	5k	450k
	1	0	—	—		5.95~ 15.6M			
	1	1	—	—		2.3~ 6.2M			
						7.1~21.85M			

(*1) If step in 200kHz, receiving frequency range is 87.5~108.1MHz.

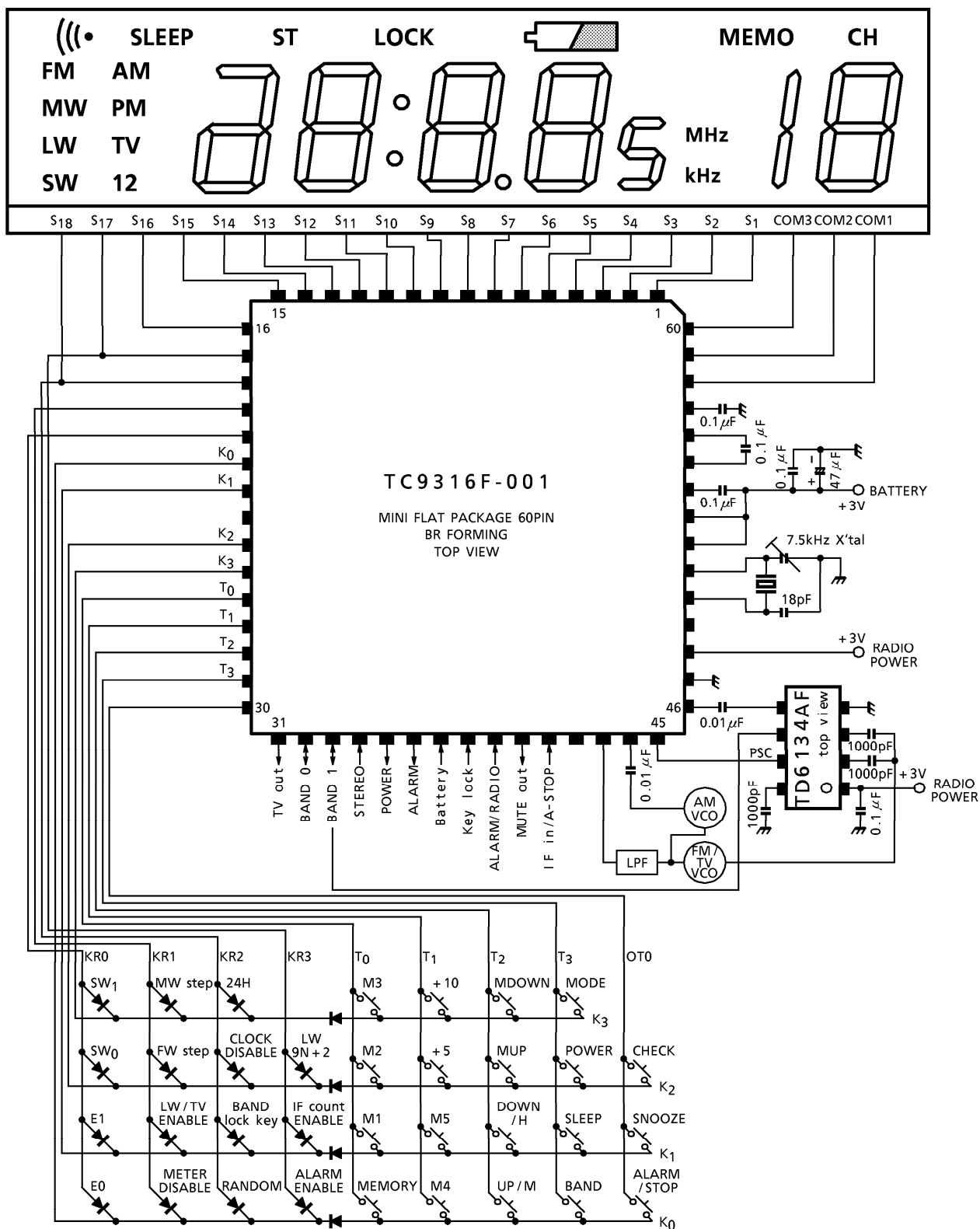
(*2) It's able to combination with any area in SW band.

(*3) There's only Auto tuning function with 9kHz step.

- Tuning function
 - Manual tuning
 - Auto-tuning
- Memory function

	Fixed	Random
FM / AM	10 / 10	15 stations
FM / AM / LW (TV)	10 / 10 / 5	15 stations
FM / AM / SW-A or B	10 / 5 / 5	15 stations
FM / AM / SW ₁ / SW ₂	5 / 5 / 5 / 5	10 stations
FM / AM / LW / SW-A or B	5 / 5 / 5 / 5	10 stations
- 12 / 24 Hour Clock indication.
- Sleep / Alarm / Snooze function.

TC9316F-001 Layout (With prescaler : TD6134AF)



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