TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT   SILICON MONOLITHIC

TC9309AF-125

SINGLE CHIP DIGITAL TUNING SYSTEM FOR 3 DISC CD CHANGER UNIT

TC9309AF-125 is a CMOS LSI designed for a PLL frequency synthesizer radio system corresponded to the requirement of 2 areas.

Since TC9309AF-125 can be used for TC9284BF the CD processor and receive remote control signal, a low cost compact 3 CD with radio system can be constructed.
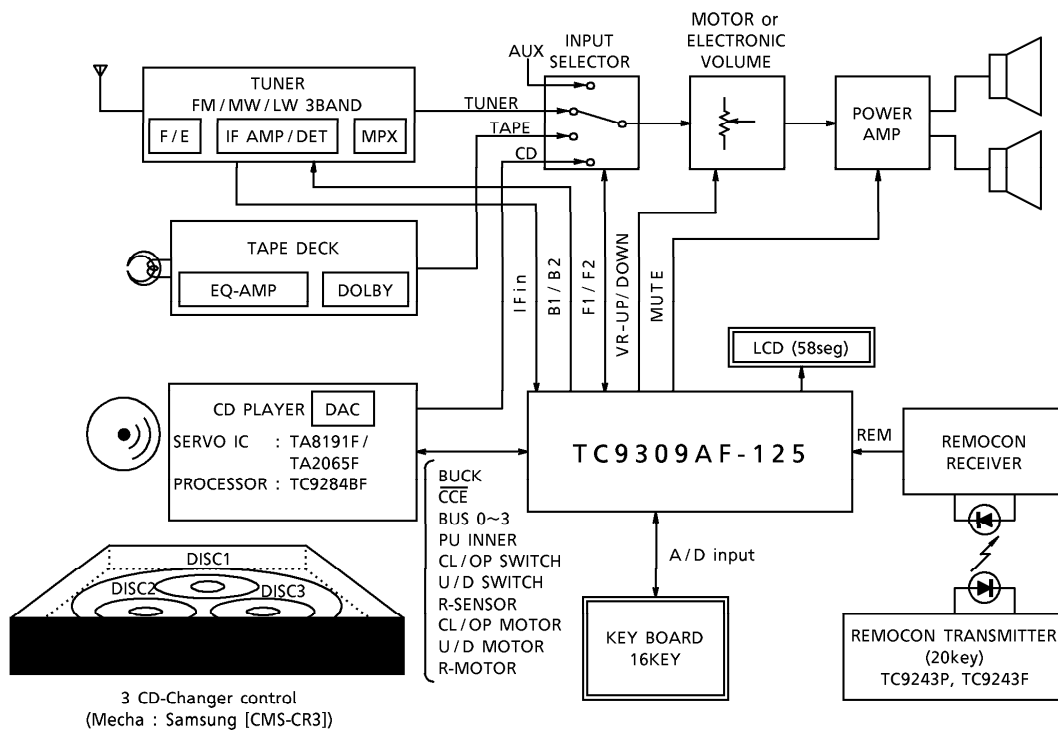
FEATURES

○ Receiving band and preset memory

AREA	CODE AREA	BAND	RECEIVING FREQUENCY [Hz]	STEP [Hz]	REFERENCE FREQUENCY [Hz]	INTERMEDIATE FREQUENCY [Hz]
EUROPE	0	FM	87.50~108.00M	50k	50k	+10.70M
		MW	522~ 1620k	9k	9k	+450k
		LW	150~ 285k	1k	1k	
USA	1	FM	87.5~ 108.0M	100k	50k	+10.7M
		AM	520~ 1710k	10k	10k	+450k

○ Tuning functions and preset memory

- manual up / down tuning

- seek up / down tuning

- scan up tuning

- IF count (FM = 10.7MHz, MW (AM), LW = 450kHz)

- Preset memory

  EUROPE area : FM 10 stations, MW 5 stations, LW 5 stations

  USA area   FM 10 stations, AM 10 stations

- indication of STEREO mark.

○ CD functions

- CD F-SKIP, R-SKIP

- CD FF / REW

- repeat play or track repeat play

- memory play (max 20 preset)

- tray open / close control

- 3 disk CD changer control (Mecha : SAMSUNG [CMS-CR3])

- synchro recording mode

○ Clock functions

- 24H clock (EUROPE area)

- 12H clock (USA area)

○ Remote control functions

- volume up / down control

- mute ON / OFF control

○ Other functions

- function change (CD / TUNER / TAPE / AUX)

- power on / off key

BLOCK DIAGRAM

3 CD-Changer control
(Mecha : Samsung [CMS-CR3])

LAYOUT