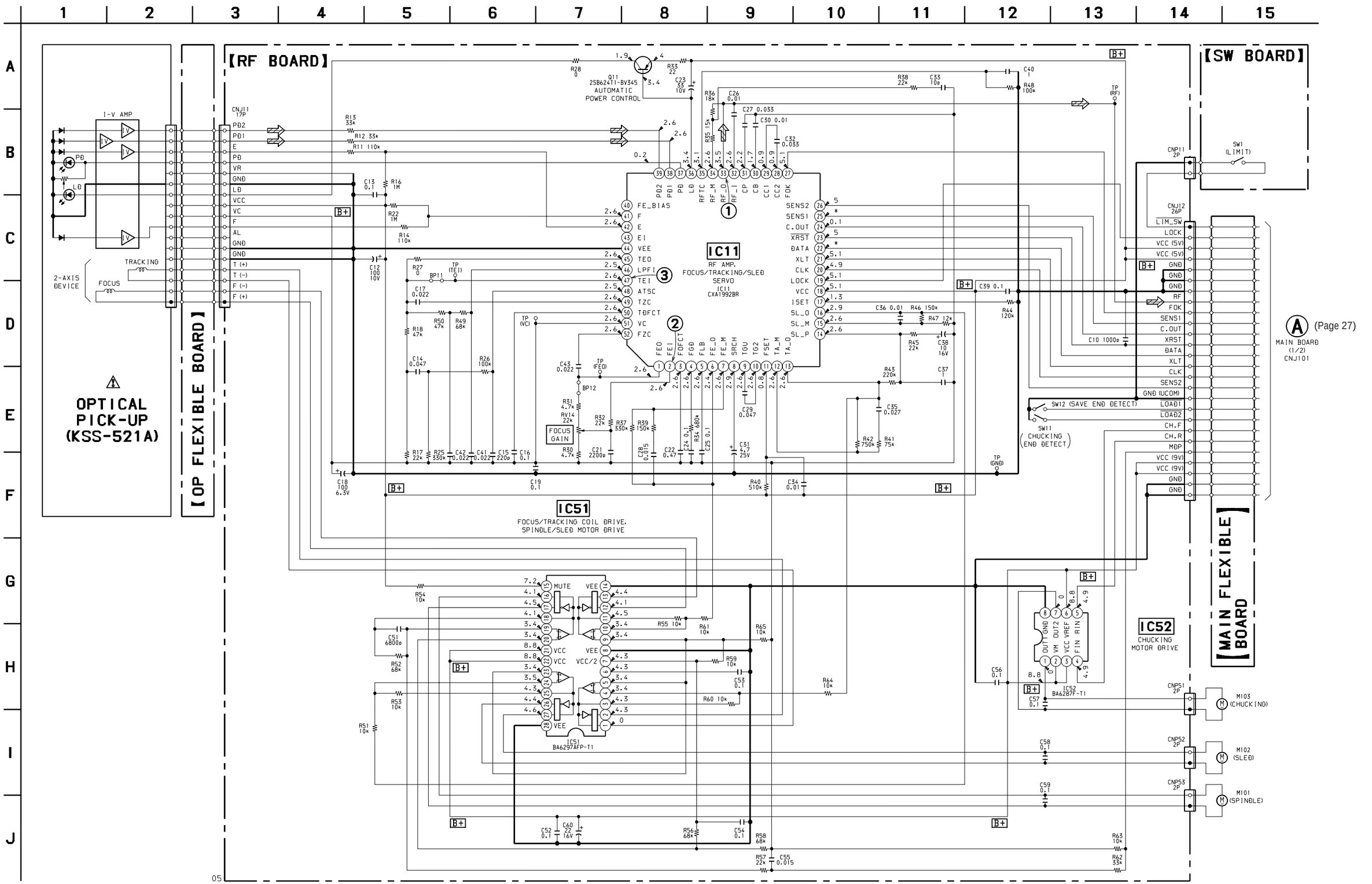
7-3. SCHEMATIC DIAGRAM – RF Section – • See page 31 for Waveforms. • See page 32 for IC Block Diagrams.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

CDX-424RF

SERVICE MANUAL

US Model
Canadian Model
E Model



Model Name Using Similar Mechanism	CDX-505RF
CD Drive Mechanism Type	MG-250C-137
Optical Pick-up Name	KSS-521A/J2N

SPECIFICATIONS

CD changer (CDX-424RF)

System	Compact disc digital audio system
Laser Diode Properties	Material: GaAlAs Wavelength: 780 nm Emission Duration: Continuous Laser out-put Power: Less than 44.6 µW*

** This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.*

Frequency response	10 – 20,000 Hz
Wow and flutter	Below than the measurable limit
Signal-to-noise ratio	94 dB
Output terminals	BUS control output terminal (8 pin) Analog audio output terminal (RCA pin)
Current drain	800 mA (at playback) 800 mA (at disc loading/ejecting)
Operating temperature	–10 °C to +55 °C (14 °F to 131 °F)
Dimensions	Approx. 262 × 90 × 181.5 mm ($10\ ^3/_8 \times 3\ ^5/_8 \times 7\ ^1/_4$ in.) (w/h/d)
Mass	Approx. 2.1 kg (4 lb. 10 oz.)

Hideaway unit/ Wired remote (RM-X64)

Frequency	88.3 MHz/88.5 MHz/ 88.7 MHz/88.9 MHz/ 89.1 MHz/89.3 MHz/ 89.5 MHz/89.7 MHz/ 89.9 MHz (switchable)
Dimensions	Hideaway unit: Approx. 124.8 × 30.0 × 99.8 mm ($5 \times 1\ ^3/_{16} \times 4$ in.) (w/h/d) Wired remote: Approx. 148 × 30 × 15 mm ($5\ ^7/_8 \times 1\ ^3/_{16} \times\ ^{19}/_{32}$ in.) (w/h/d)
Mass	Hideaway unit: Approx. 330 g (11.64 oz.) Wired remote: Approx. 120 g (4.2 oz.)

Supplied accessories

Disc magazine (1)
Parts for installation and connections (1 set)

Design and specifications subject to change without notice.

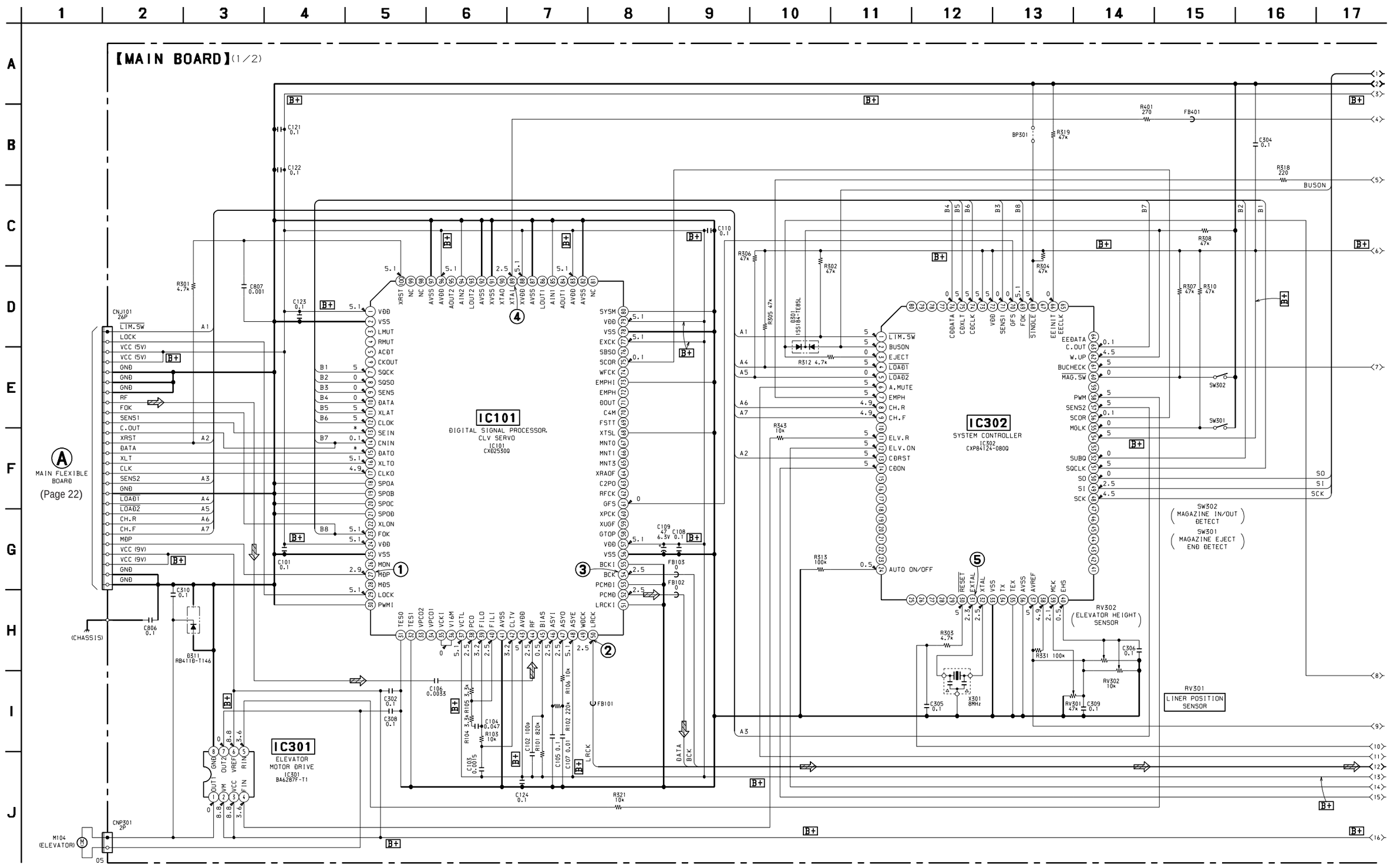
COMPACT DISC CHANGER SYSTEM

MICROFILM

SONY®

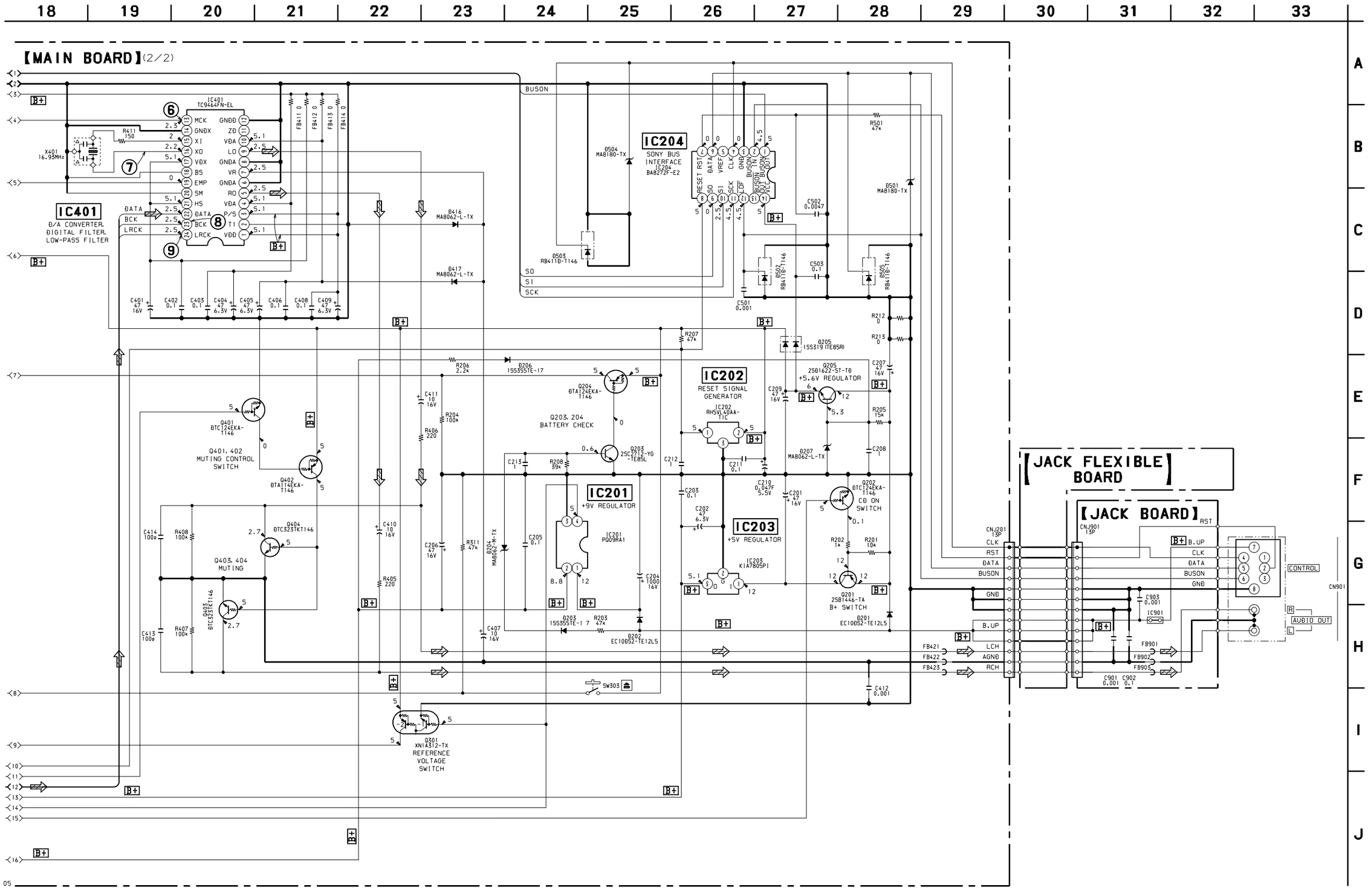
7-6. SCHEMATIC DIAGRAM – MAIN Section (1/2) –

• See page 31 for Waveforms. • See page 33 for IC Block Diagrams.



7-7. SCHEMATIC DIAGRAM – MAIN Section (2/2) –

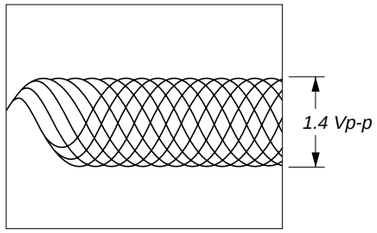
• See page 31 for Waveforms. • See page 33 for IC Block Diagrams.



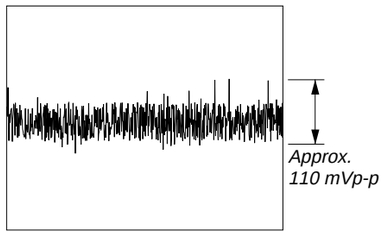
• Waveforms

– RF Board –

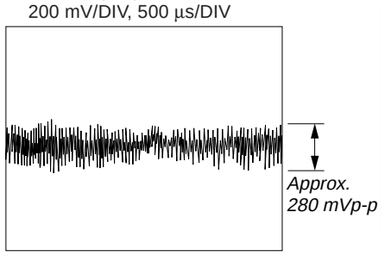
❶ IC11 ㉝ (RF O)
500 mV/DIV, 500 ns/DIV



❷ IC11 ② (FEI)
50 mV/DIV, 1 µs/DIV

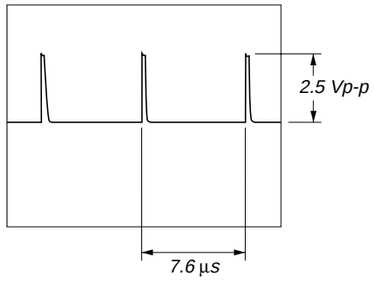


❸ IC11 ㊼ (TEI)
200 mV/DIV, 500 µs/DIV

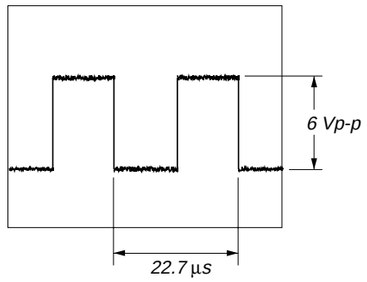


– MAIN Board (1/2) –

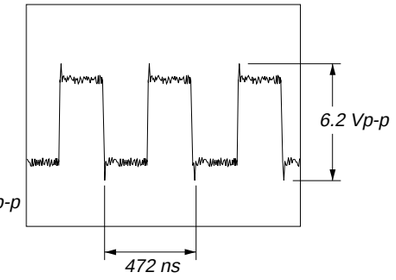
❶ IC101 ㉗ (MDP)



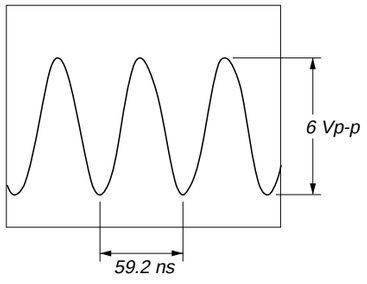
❷ IC101 ㊿ (LRCK)



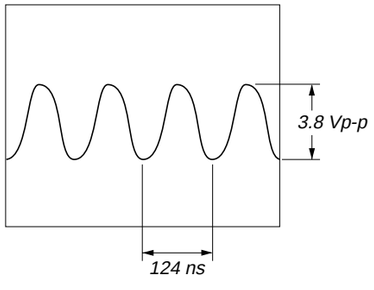
❸ IC101 ㊹ (BCK)



❹ IC101 ㊽ (XTAI)

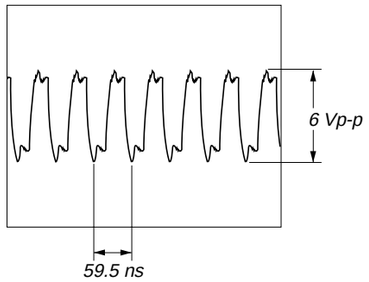


❺ IC302 ㉛ (EXTAL)

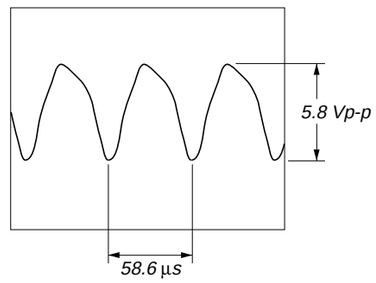


– MAIN Board (2/2) –

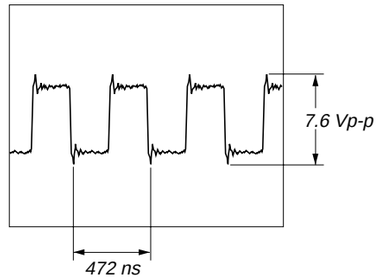
❻ IC401 ⑬ (MCK)



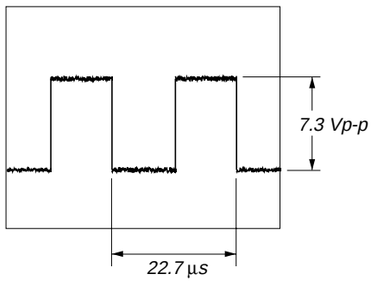
❼ IC401 ⑯ (XO)



❽ IC401 ㉓ (BCK)



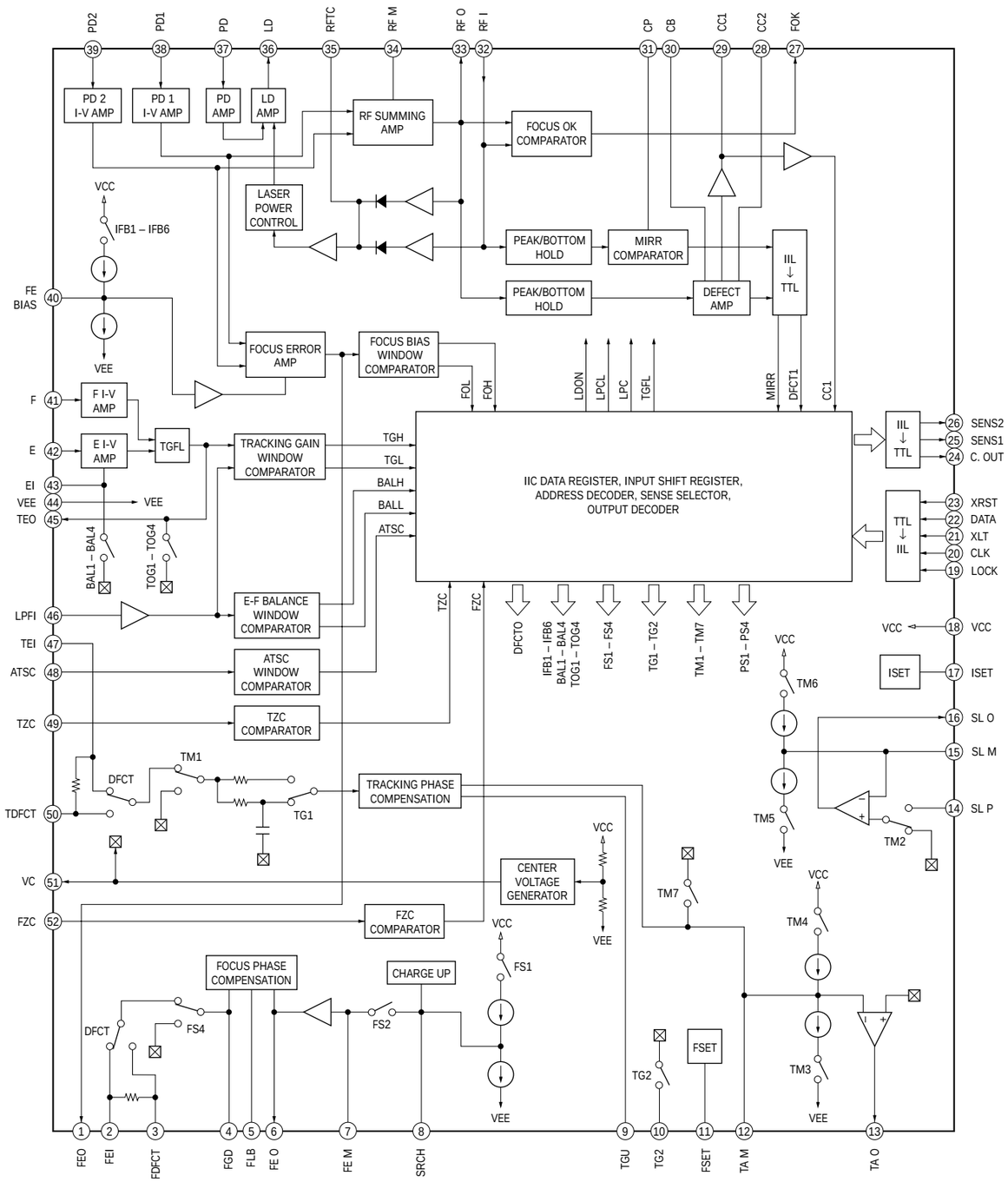
❾ IC401 ㉔ (LRCK)



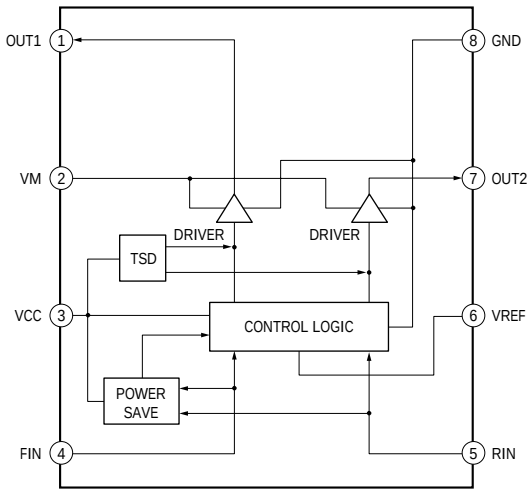
• IC Block Diagrams

– RF Board –

IC11 CXA1992BR

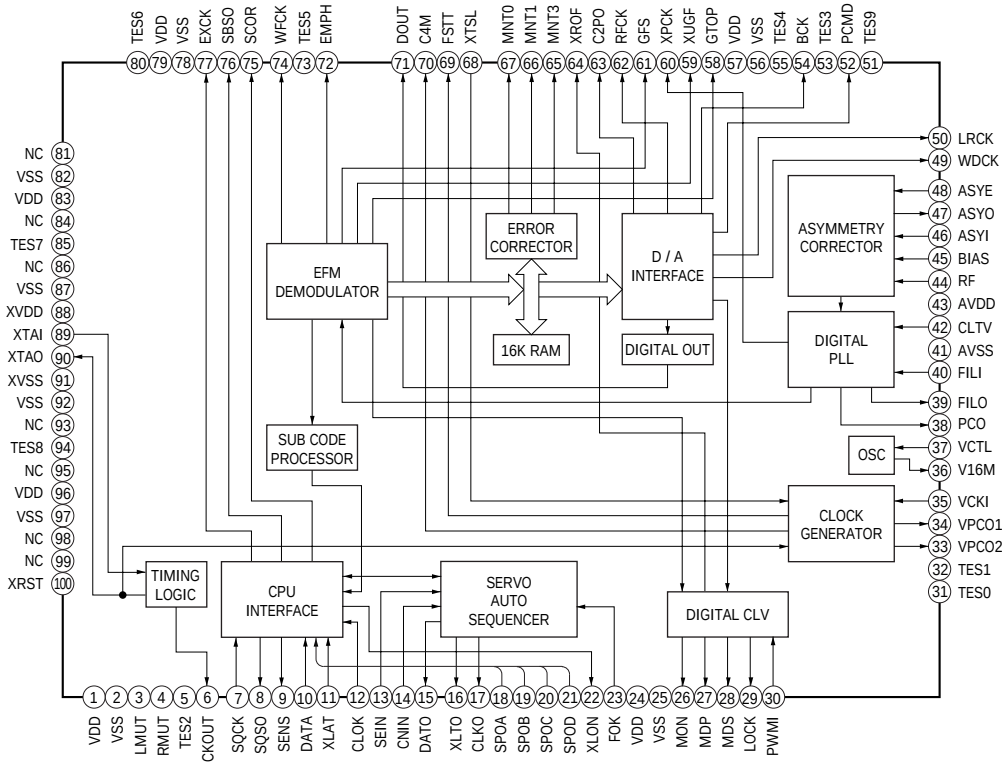


IC52 BA6287F

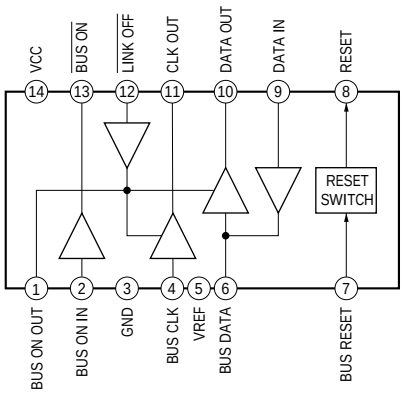


– MAIN Board –

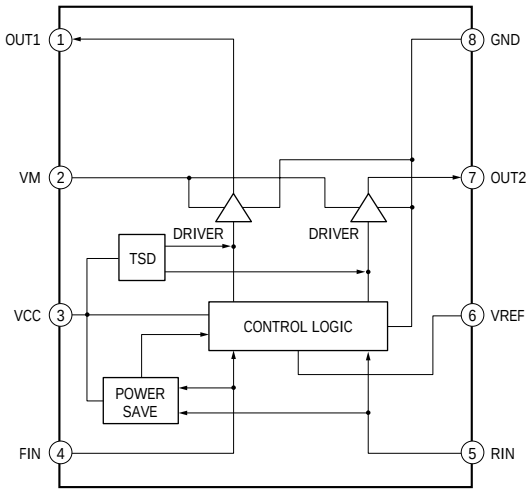
IC101 CXD2530Q



IC204 BA8272F-E2



IC301 BA6287F



IC401 TC9464FN-EL

