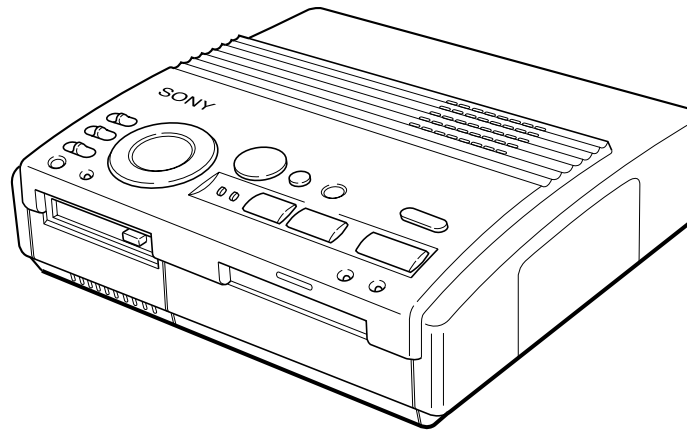


SERVICE MANUAL

*AEP Model
UK Model*



SPECIFICATIONS

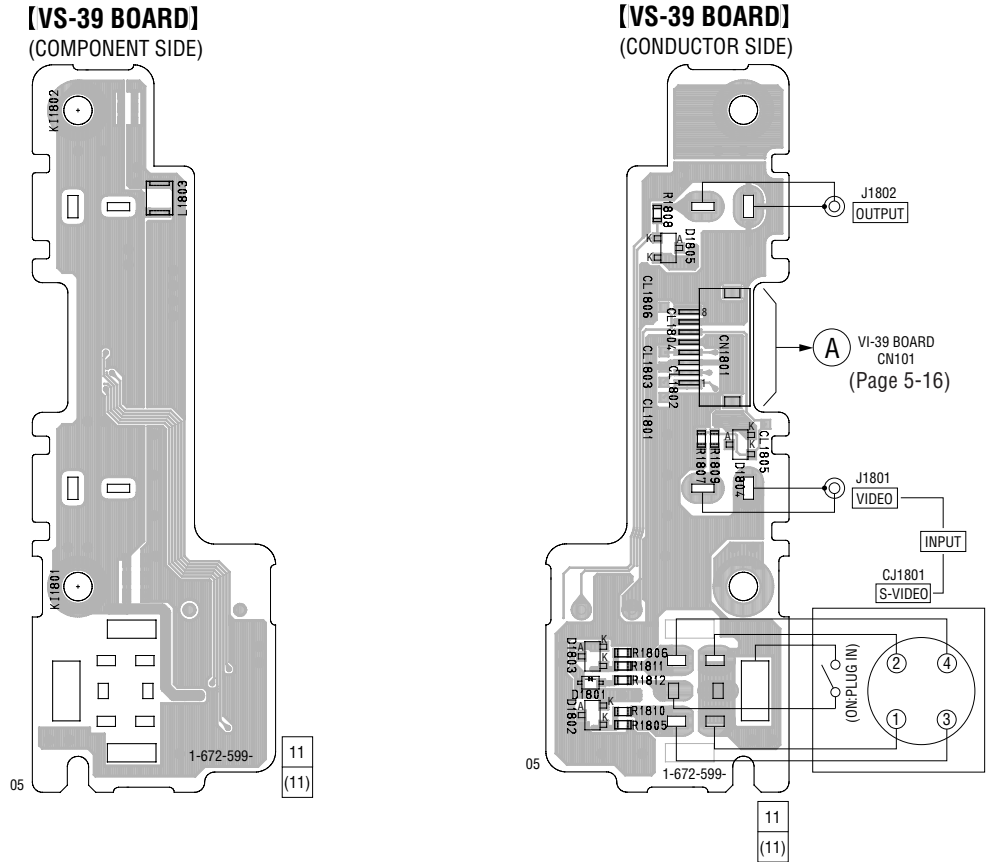
Printing system	Sublimation dye transfer printing (Yellow/Magenta/Cyan 3 pass)	Print cartridge and Print paper (100 × 140 mm (4 × 5 ⁵ / ₈ inches))
Effective pixels	1,376 (H) × 1,024 (V) dot	VPM-P50STB (Standard papers)
Printing size	114 (H) × 85 (V) mm (maximum) (4 ¹ / ₂ × 3 ³ / ₈ inches)	VPM-P200STB (Standard papers)
Gradations	256 levels (8 bits), per color (24 bits)	VPM-P50WTB (Adhesive-label sheets for sticker)
Printing time (excluding data transmission time)	Approx. 16,770,000 colors	VPM-P50S04B (4-cut adhesive-label sheets for sticker)
Input/output connectors	Approx. 100 seconds per sheet VIDEO INPUT connector (phono jack × 1) 1 Vp-p, 75 ohms (unbalanced), sync negative S VIDEO INPUT connector (4-pin mini-DIN × 1) Y: 1 Vp-p, 75 ohms (unbalanced), sync negative C: 0.286 Vp-p (color burst), 75-ohms (unbalanced) VIDEO OUTPUT connector (phono jack × 1) 1 Vp-p, 75 ohms (unbalanced), sync negative 3.5" Floppy disk drive	VPM-P50S16B (16-cut adhesive-label sheets for sticker)
		Power requirements 220 – 240 V AC
		Power consumption 72 W (printing) 13 W (stand by mode)
		Operating temperature 5 °C to 35 °C (41 °F to 95 °F)
		Operating humidity 20% to 80%
		Dimensions Approx. 301 × 83 × 246 mm (w/h/d, excluding protruding parts) (12 × 3 ³ / ₈ × 9 ⁷ / ₈ inches)
		Mass Approx. 3 kg (6 lb 10 oz)
		Supplied accessories AC power cord (1) Video connecting cable (1) CD-ROM (for Microsoft Windows® 95/98/NT4.0) (1) Instruction Manual (1) User's guide for the printer utility (1) Warranty (1)

Design and specifications are subject to change without notice.

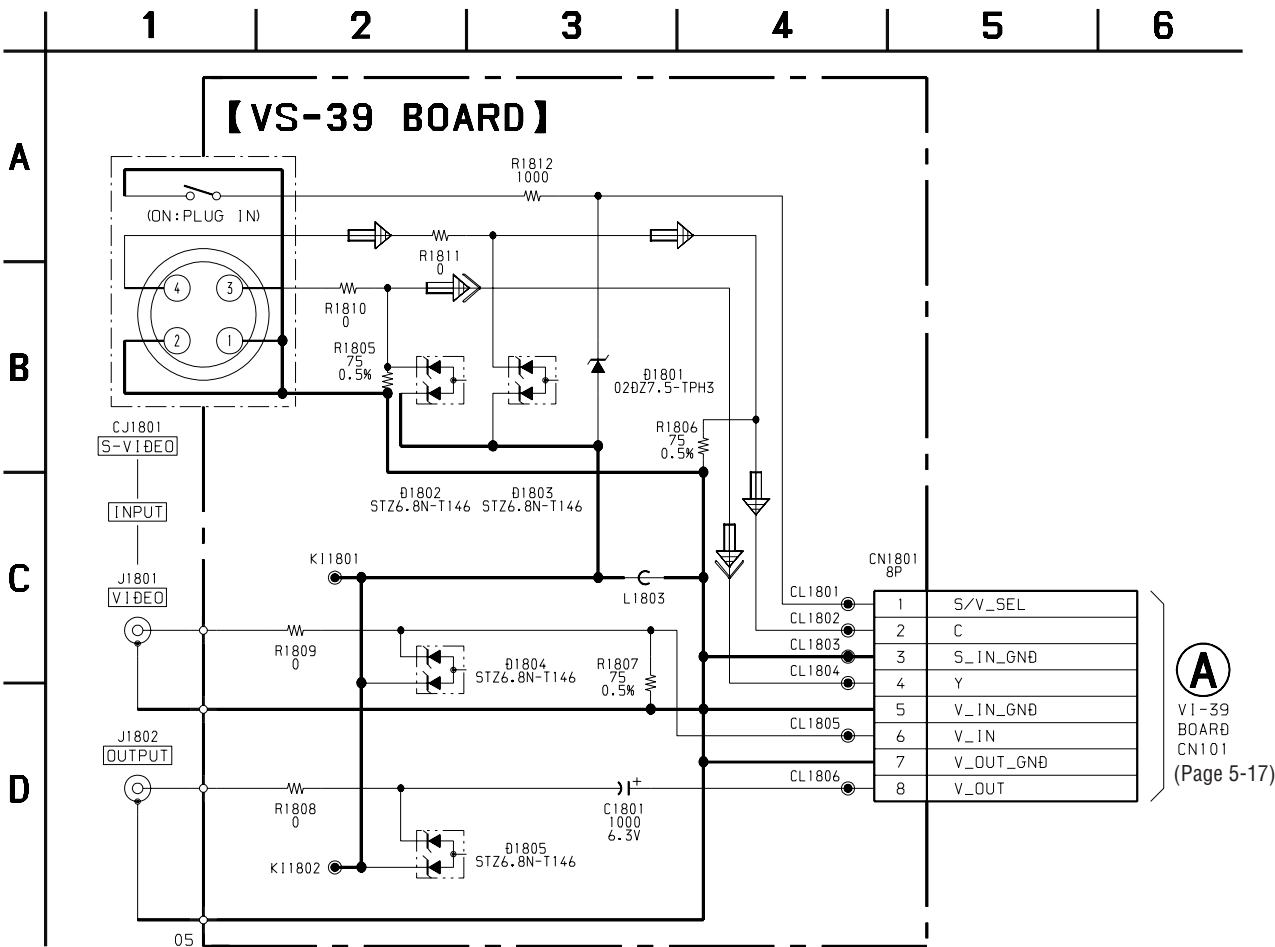
DIGITAL COLOR PRINTER

SONY®

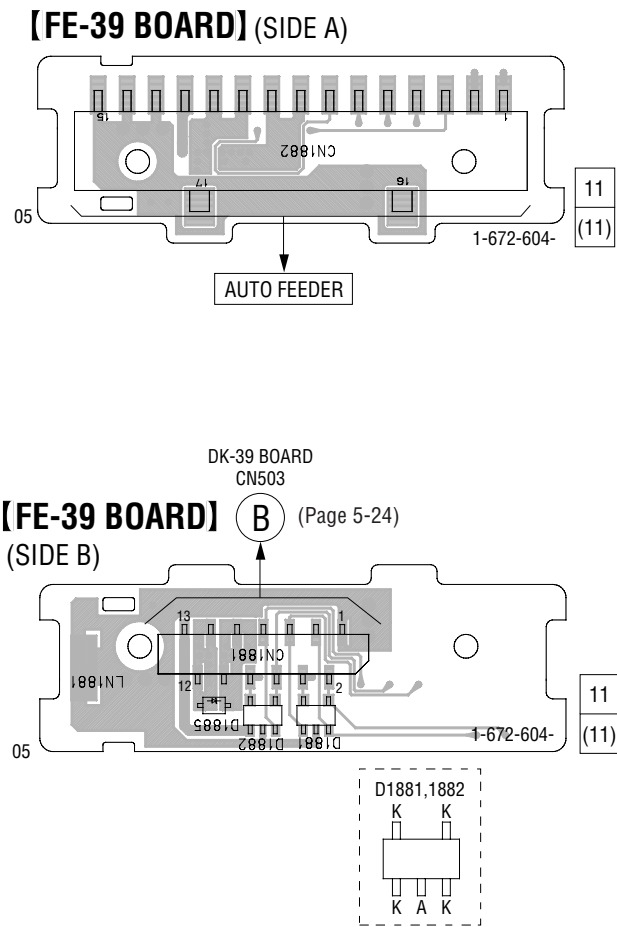
5-5. PRINTED WIRING BOARD – VS-39 Board – • See page 5-11 for Circuit Boards Location.



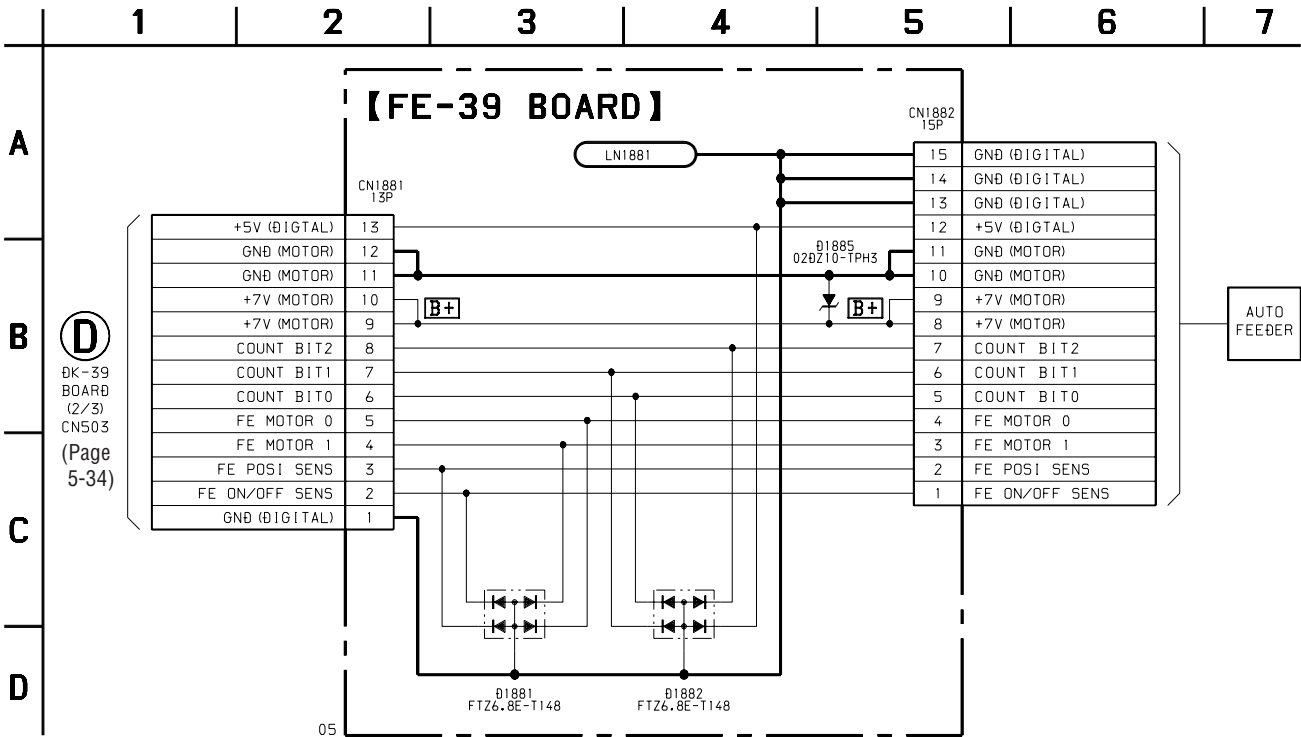
5-6. SCHEMATIC DIAGRAM – VS-39 Board –



5-7. PRINTED WIRING BOARD – FE-39 Board – • See page 5-11 for Circuit Boards Location.



5-8. SCHEMATIC DIAGRAM – FE-39 Board –



- Semiconductor Location (Side A)

[VI-39 BOARD] (SIDE A)

DK-39 BOARD
CN401
(Page 5-23)

VS-39 BOARD
CN1801
(Page 5-13)

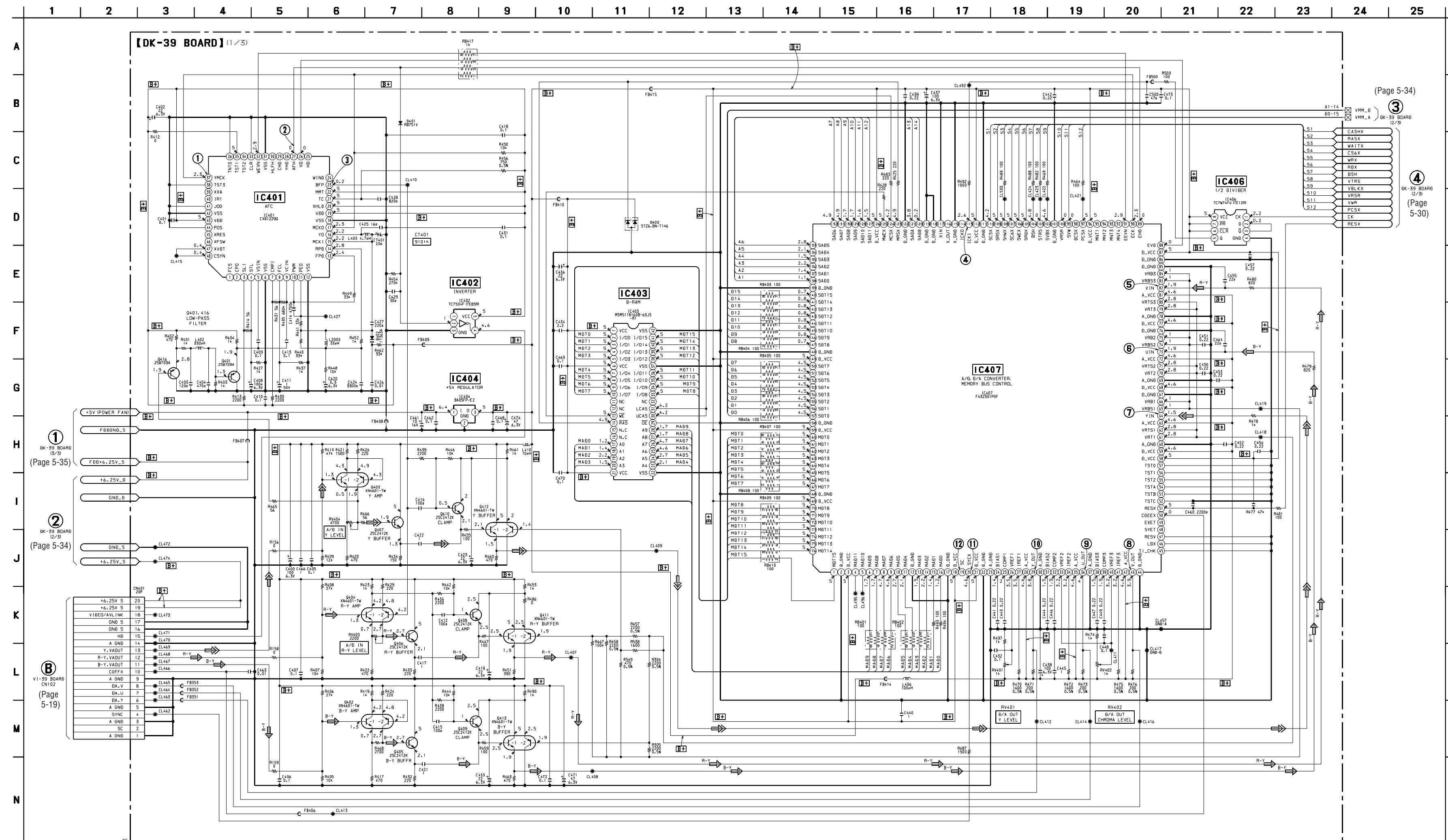
1-672-598-

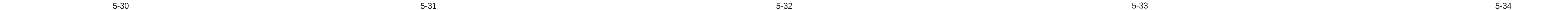
[VI-39 BOARD] (SIDE B)

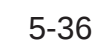
Component locations are marked with labels such as:

- Capacitors: CL153, CL154, CL149, CL136, CL139, CL140, CL118, CL135, CL141, CL152, CL137, CL134, CL148, CL151, CL155, CL115, CL105, CL106, CL104, CL103, CL102, CL101, CL131, CL100, CL120, CL121, CL122, CL123, CL124, CL125, CL126, CL127, CL128, CL129, CL130, CL131, CL132, CL133, CL134, CL135, CL136, CL137, CL138, CL139, CL140, CL141, CL142, CL143, CL144, CL145, CL146, CL147, CL148, CL149, CL150, CL151, CL152, CL153, CL154, CL155, CL156, CL157, CL158, CL159, CL160, CL161, CL162, CL163, CL164, CL165, CL166, CL167, CL168, CL169, CL170, CL171, CL172, CL173, CL174, CL175, CL176, CL177, CL178, CL179, CL180, CL181, CL182, CL183, CL184, CL185, CL186, CL187, CL188, CL189, CL190, CL191, CL192, CL193, CL194, CL195, CL196, CL197, CL198, CL199, CL200, CL201, CL202, CL203, CL204, CL205, CL206, CL207, CL208, CL209, CL210, CL211, CL212, CL213, CL214, CL215, CL216, CL217, CL218, CL219, CL220, CL221, CL222, CL223, CL224, CL225, CL226, CL227, CL228, CL229, CL230, CL231, CL232, CL233, CL234, CL235, CL236, 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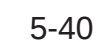
5-12. SCHEMATIC DIAGRAM – DK-39 Board (1/3) – • See page 5-21 for Waveforms.

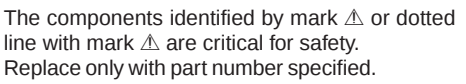




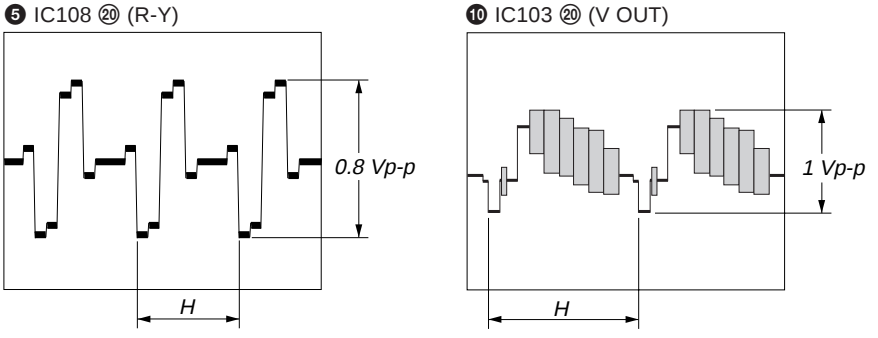
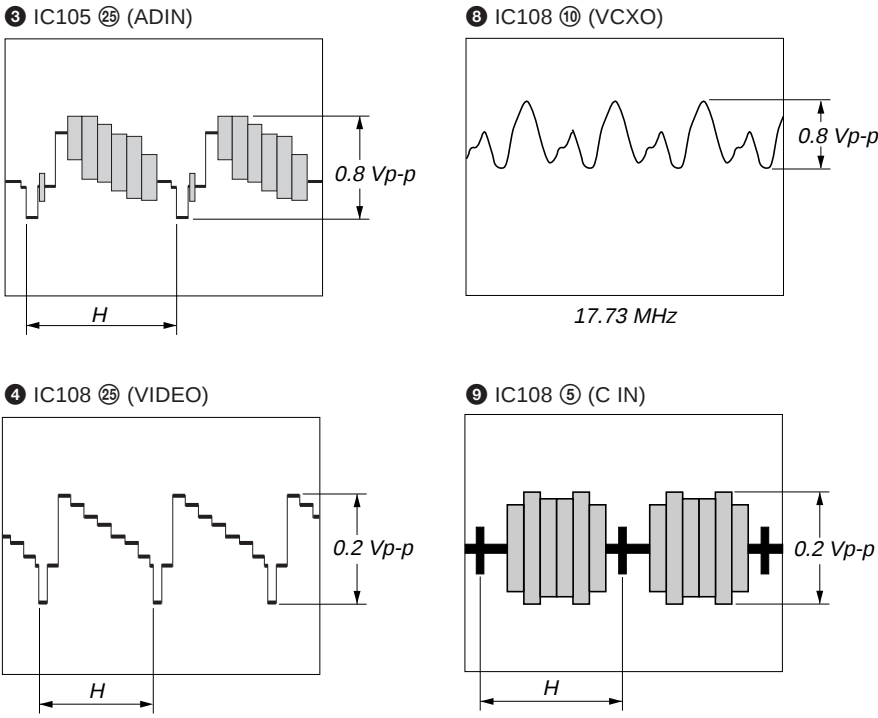
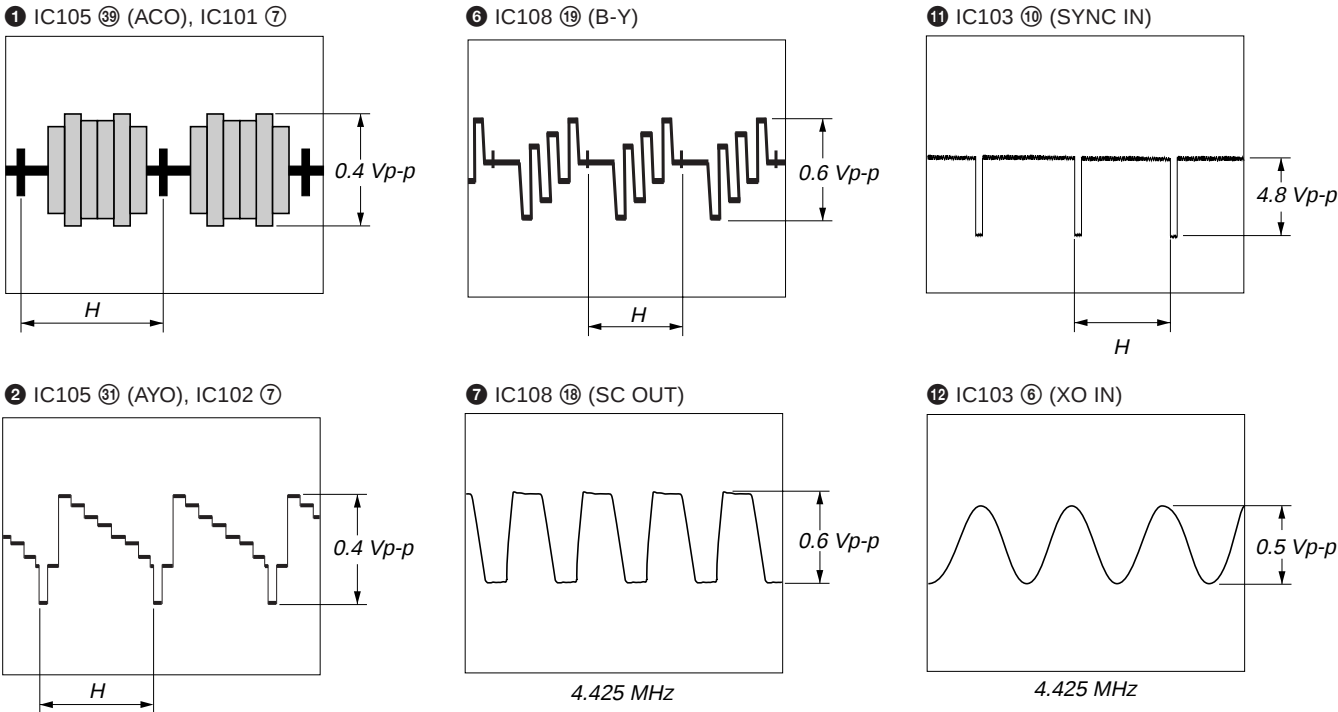


05

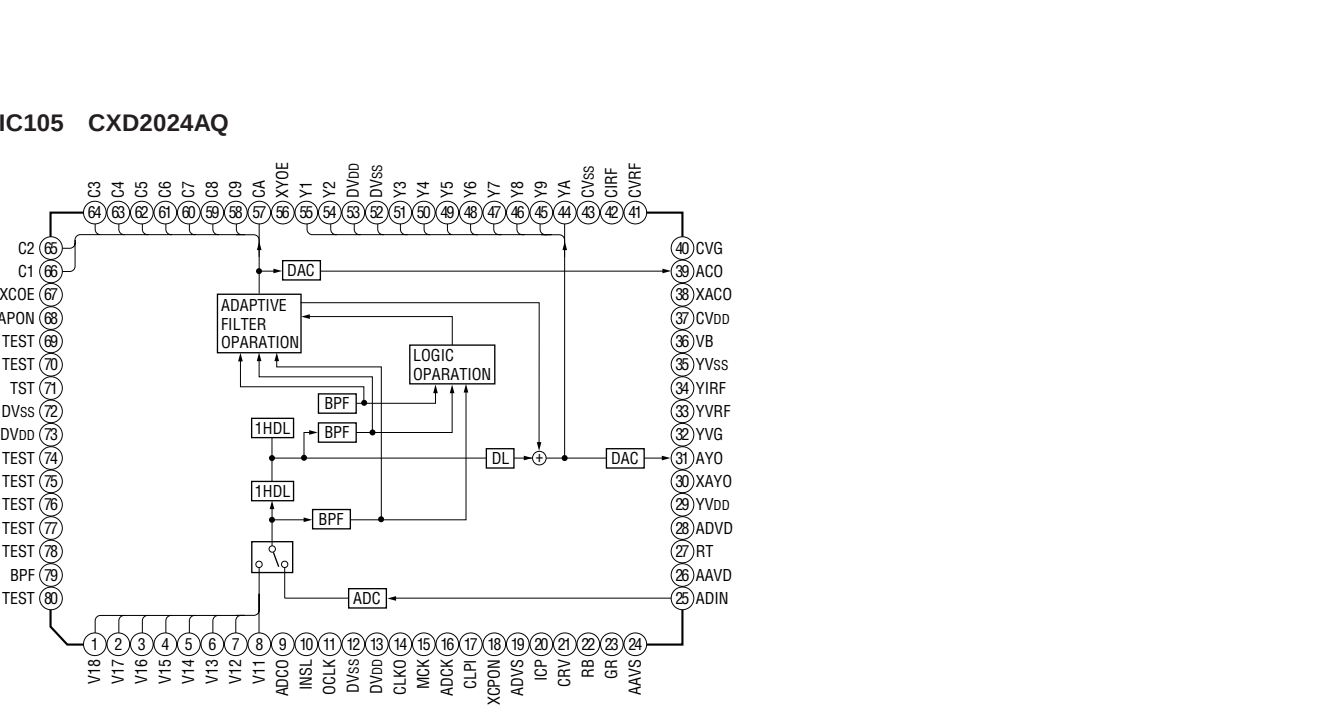
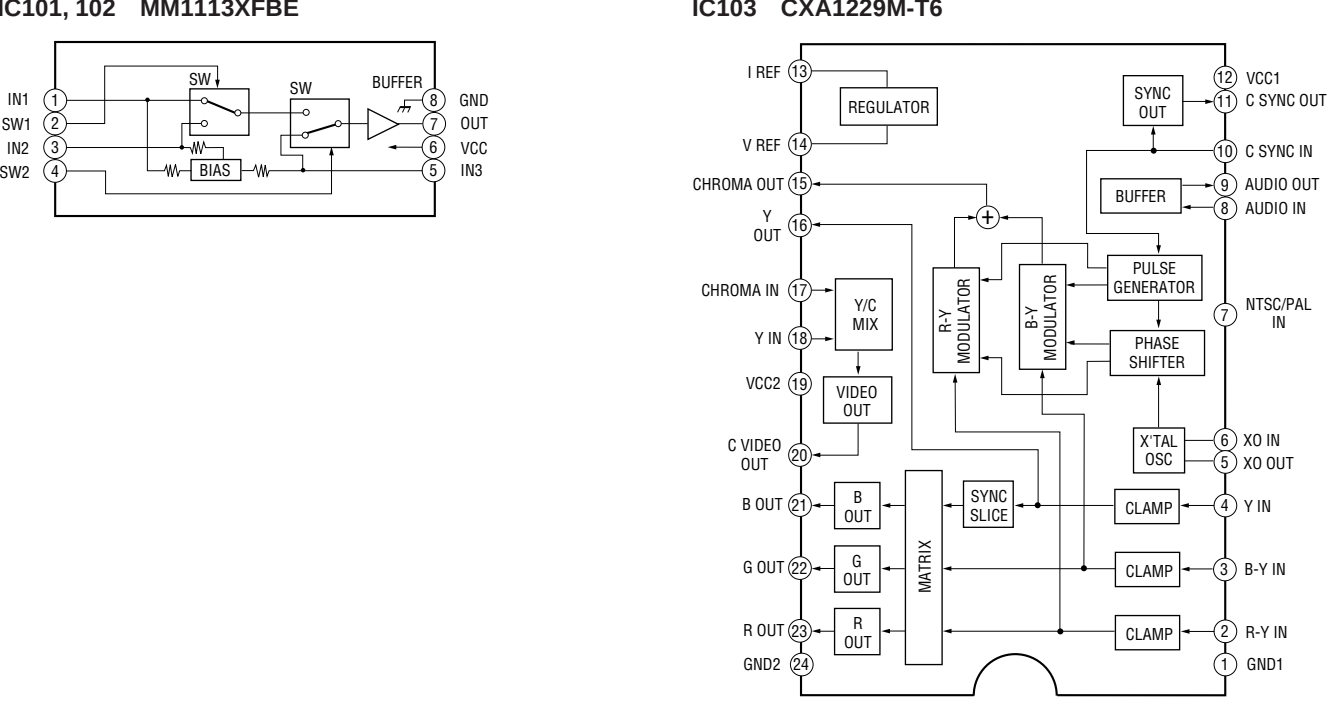




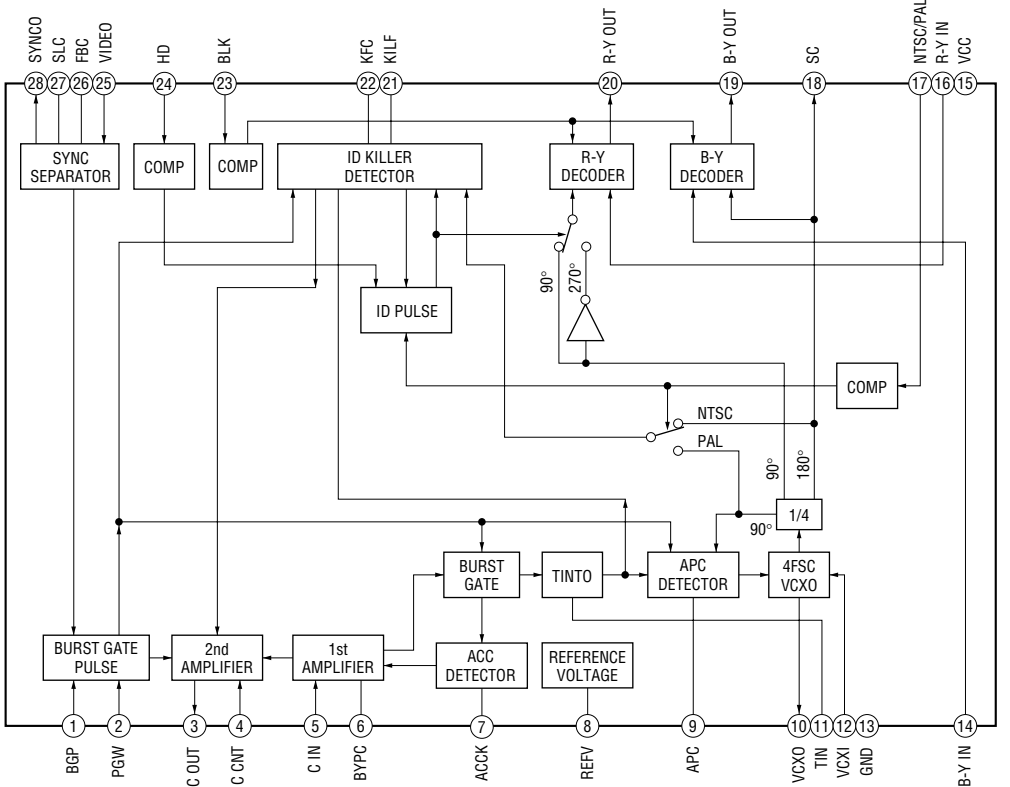
- Waveforms
- VI-39 Board –



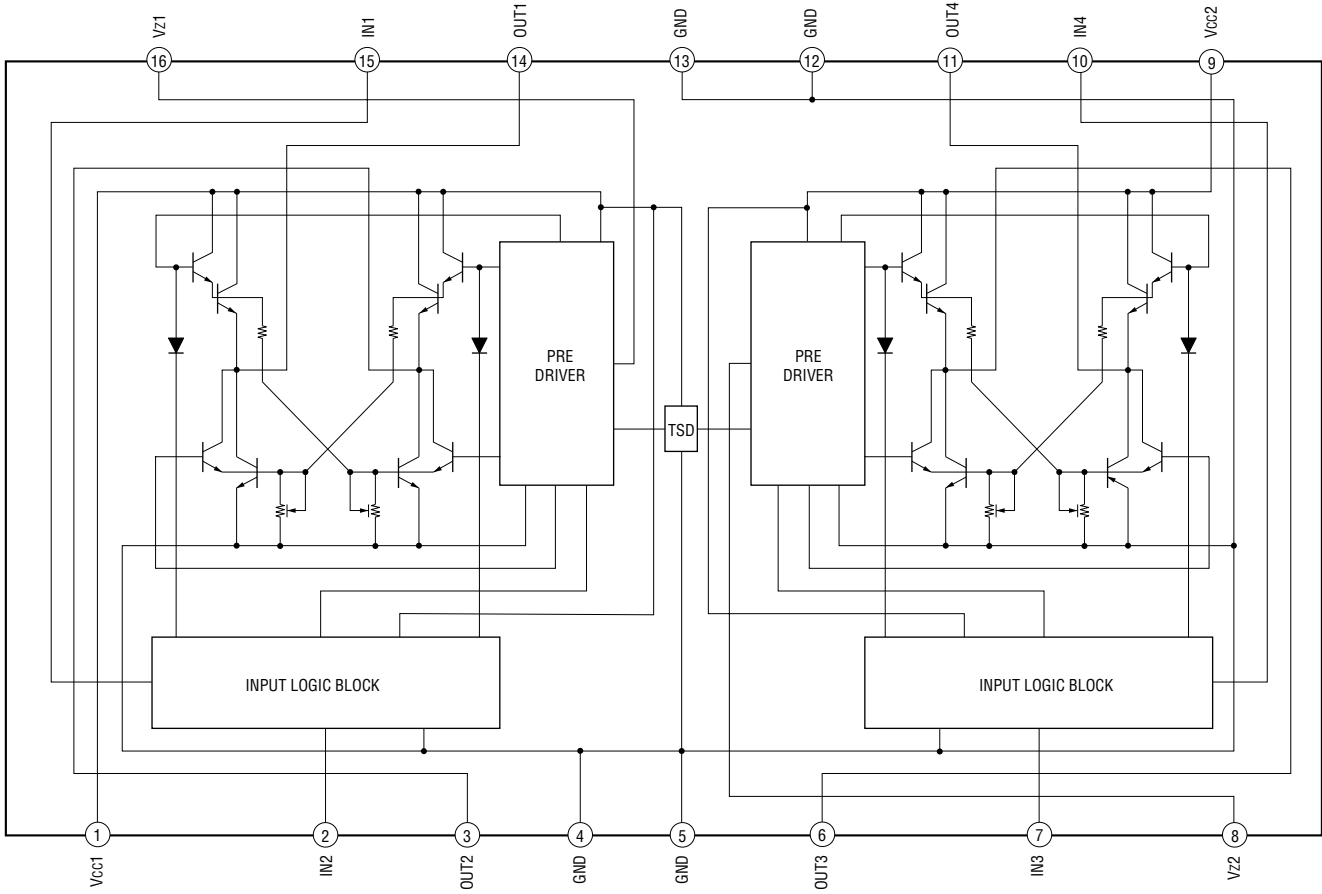
• IC Block Diagrams
– VI-39 Board –



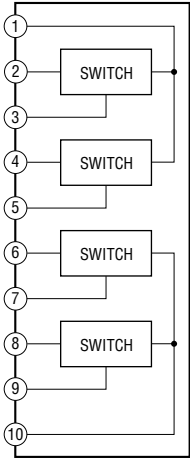
IC108 M5127FP-70AD



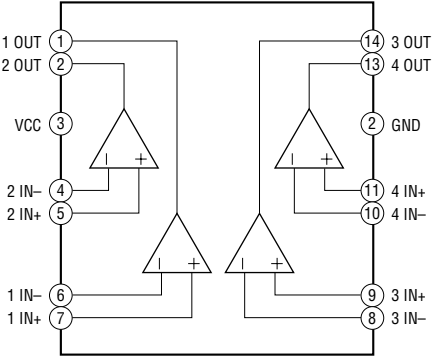
- MD-39 Board -
IC1900 LB1644



IC1901 STA506A



IC1902 LM339NS-E20



– SW-39 Board –
IC1700 RTC-4543SB

