



SERVICE MANUAL

DVD-909/709



DVD PLAYER

DVD-909

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DVD PLAYER



DVD-909



DVD-709

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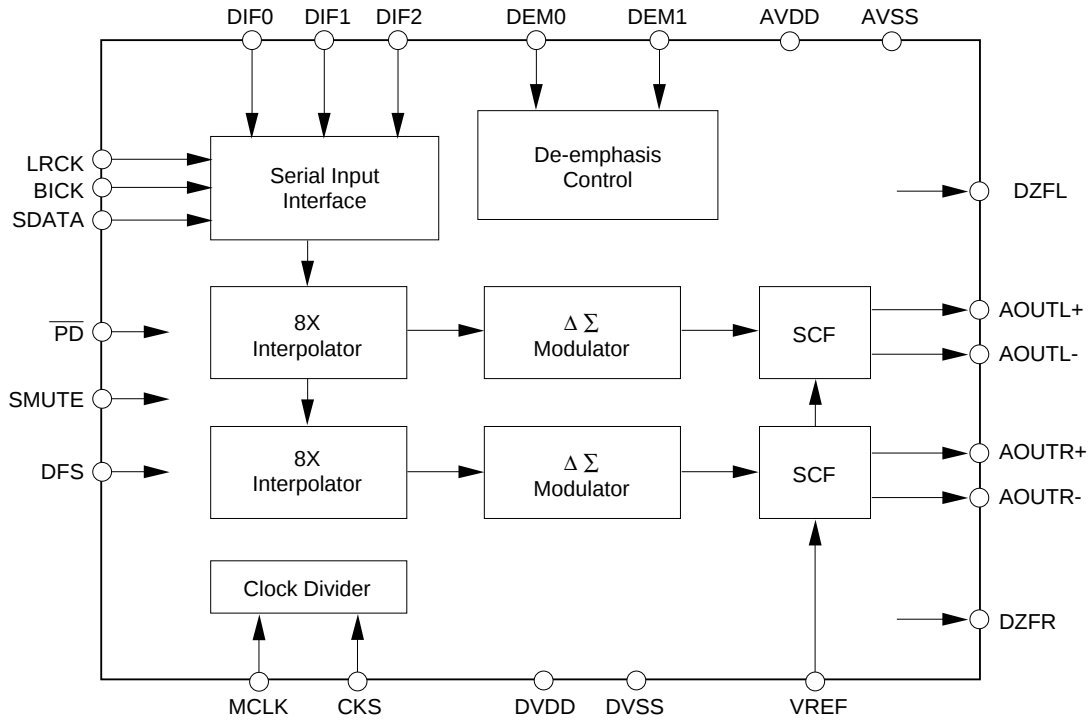
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REV.-2

2. Reference Information

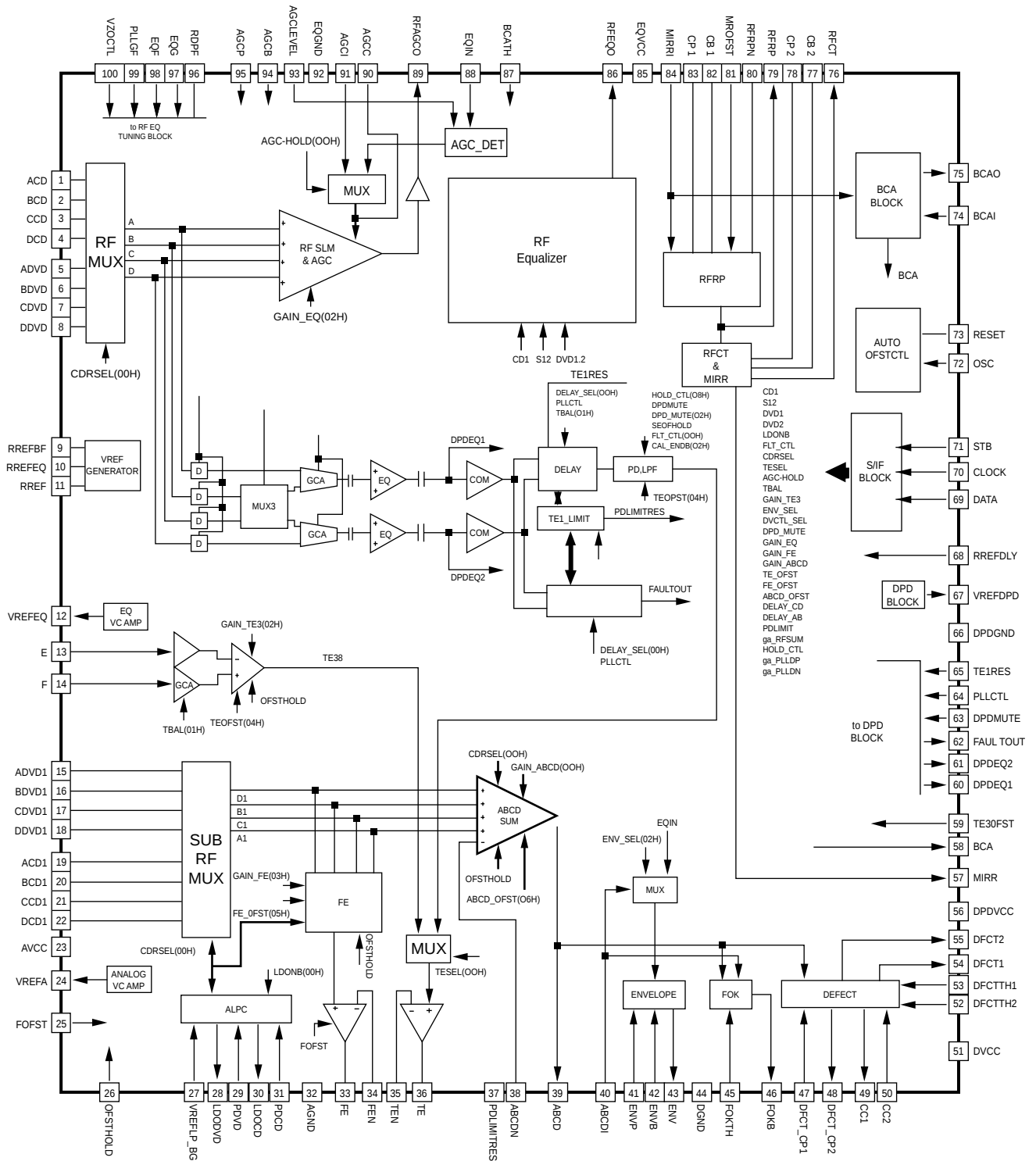
2-1 IC Dscriptions

2-1-1 AIC1 (AK4324 ; Digital-to-Analog Converter)

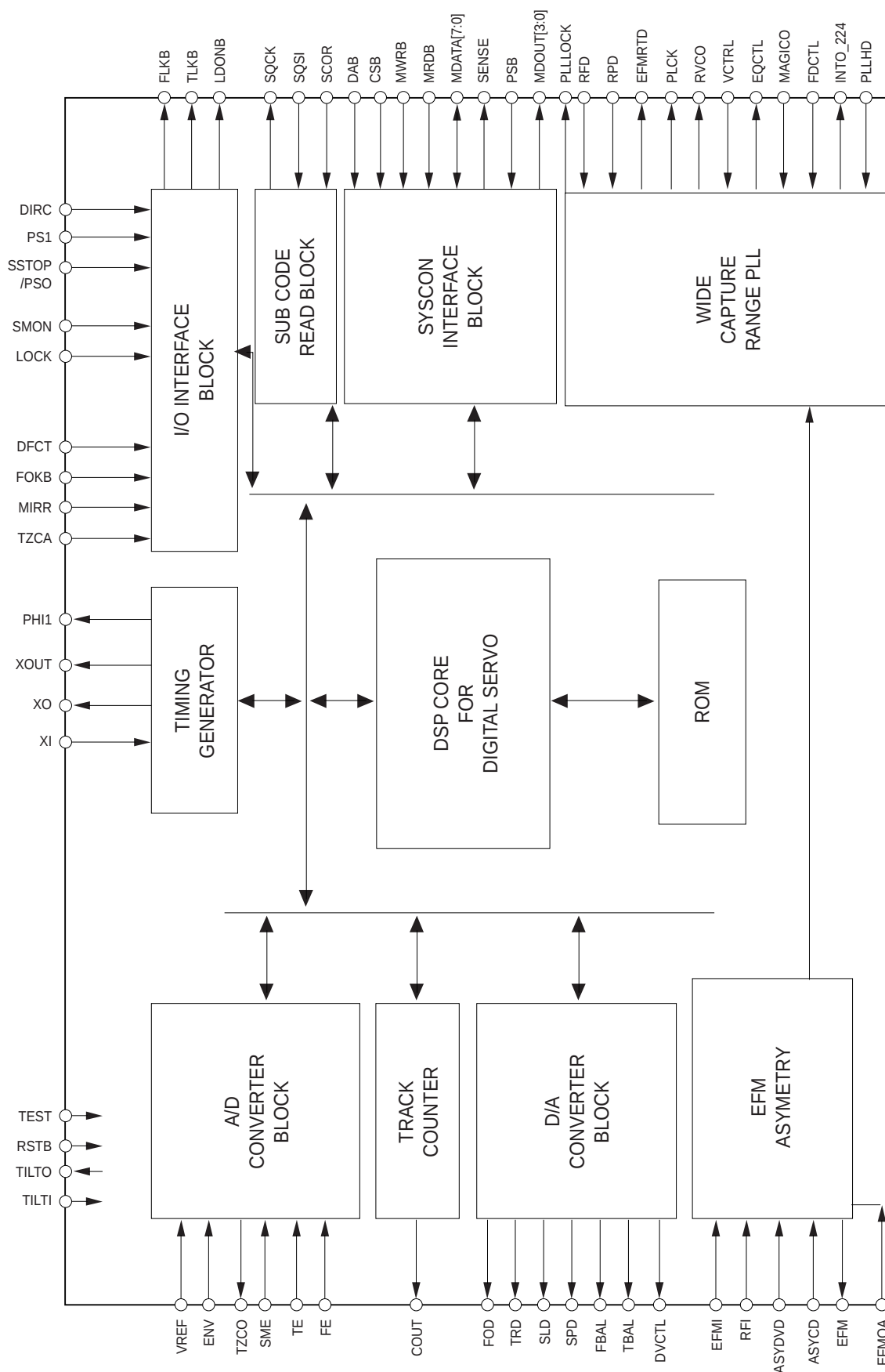


PIN	I/O	NAME	FUNCTION	PIN	I/O	NAME	FUNCTION
1	-	DVSS	Digital ground pin	13	I	DIF0	Digital input format pin
2	I	DVDD	Digital power supply	14	I	DIF1	Digital input format pin
3	I	CKS	Master clock select pin (Internal pull-down pin) Nomal speed "L":MCLK = 256fs, "H":MCLK = 384fs Double speed "L":MCLK = 128fs, "H":MCLK = 192fs	15	I	DIF2	Digital input format pin
4	I	MCLK	Master clock input pin	16	O	AOUTR-	Rch negative analog output pin
5	I	PD	Power-Down mode pin. When at "L", the AK4324 is in power-down and is held in rest. The AK4324 should always be reset upon power-pin	17	O	AOUTR+	Rch positive analog output pin
6	I	BICK	Audio serial data input pin 64fs clock is recommended to be input on this pin	18	O	AOUTL-	Lch negative analog output pin
7	I	SDATA	Audio serial data input pin 2's complement MSB-first data is input on this pin.	19	O	AOUTL+	Lch positive analog output pin
8	I						

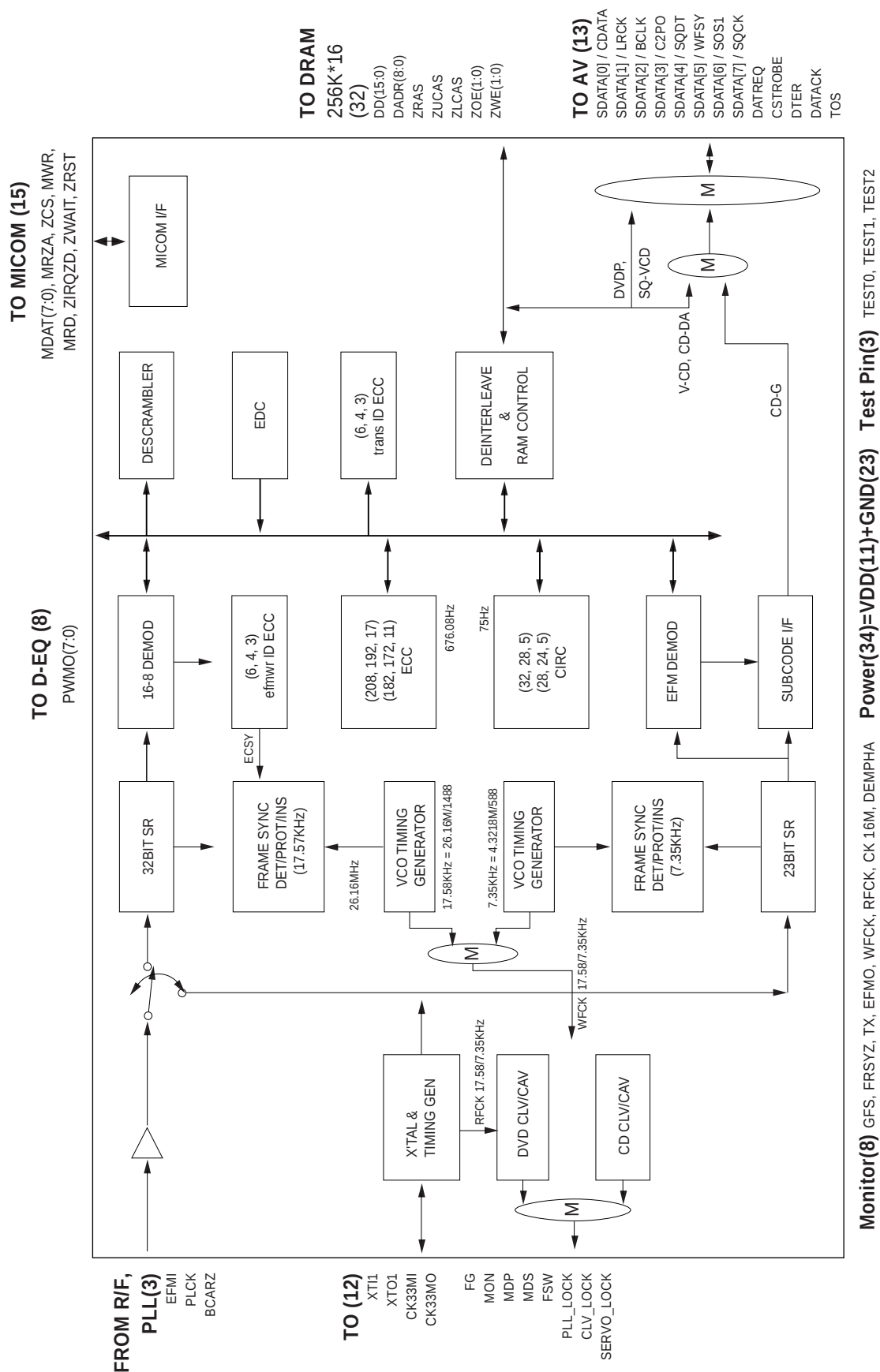
2-1-2 RIC1 (KS1461 ; RF)



2-1-3 SIC1 (KS1452 ; Digital Servo)

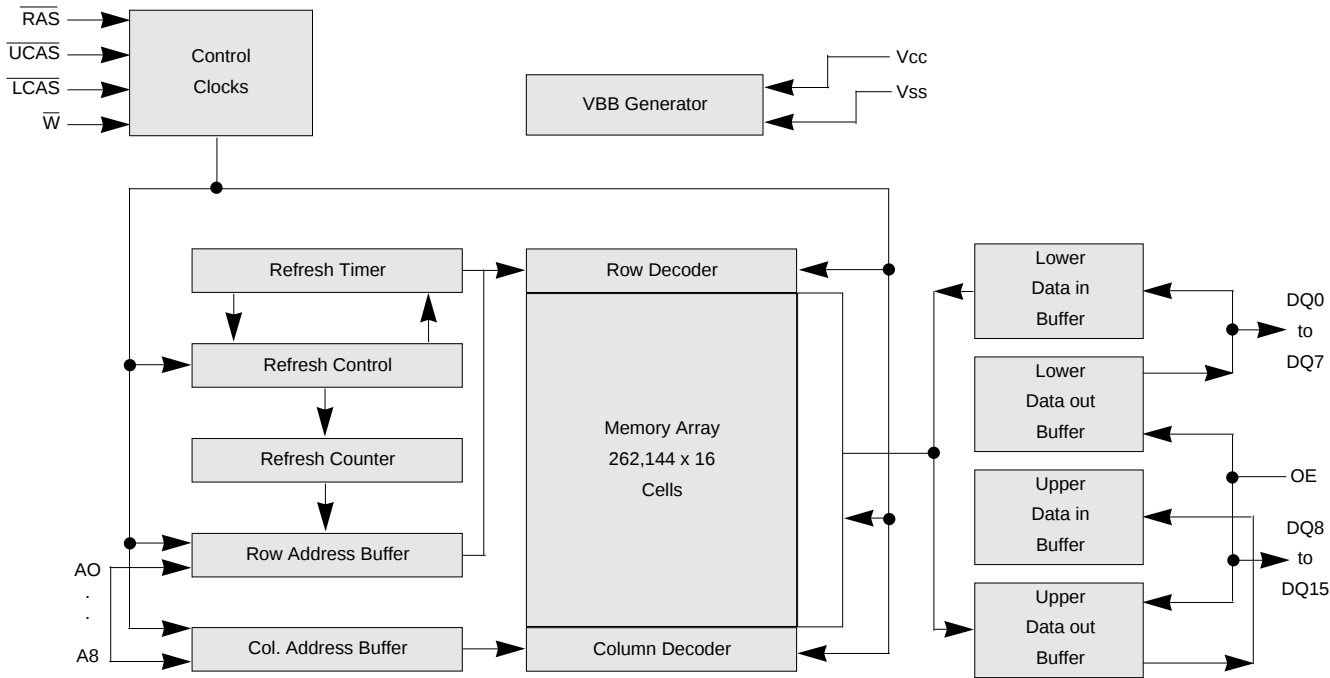


2-1-4 DIC1 (KS1453 ; DVD Data Processor)



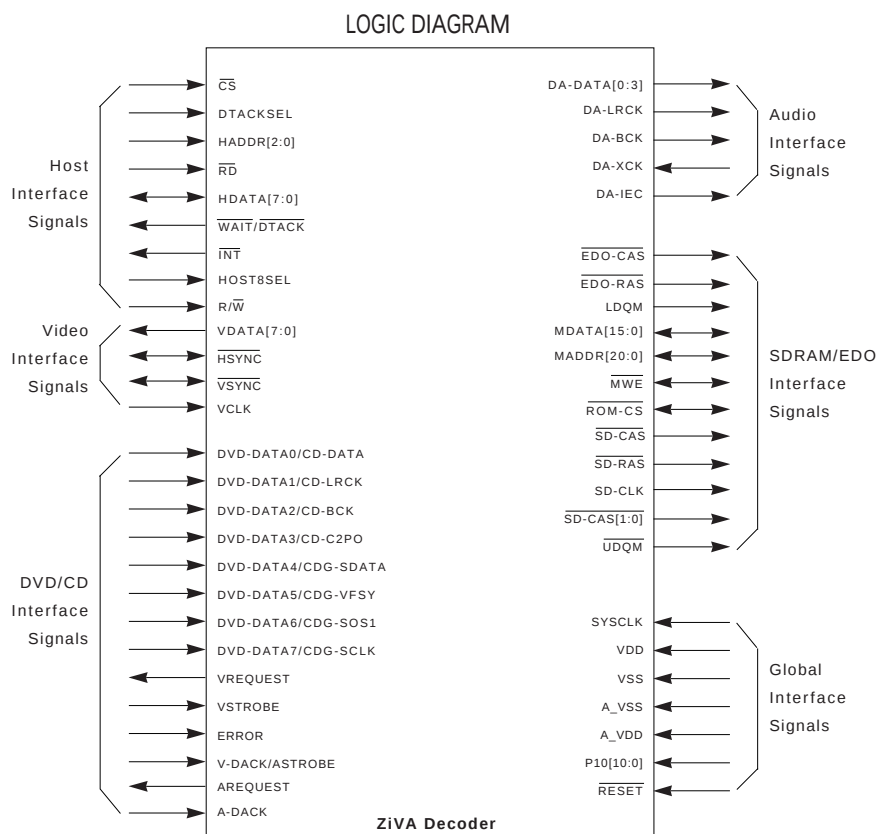
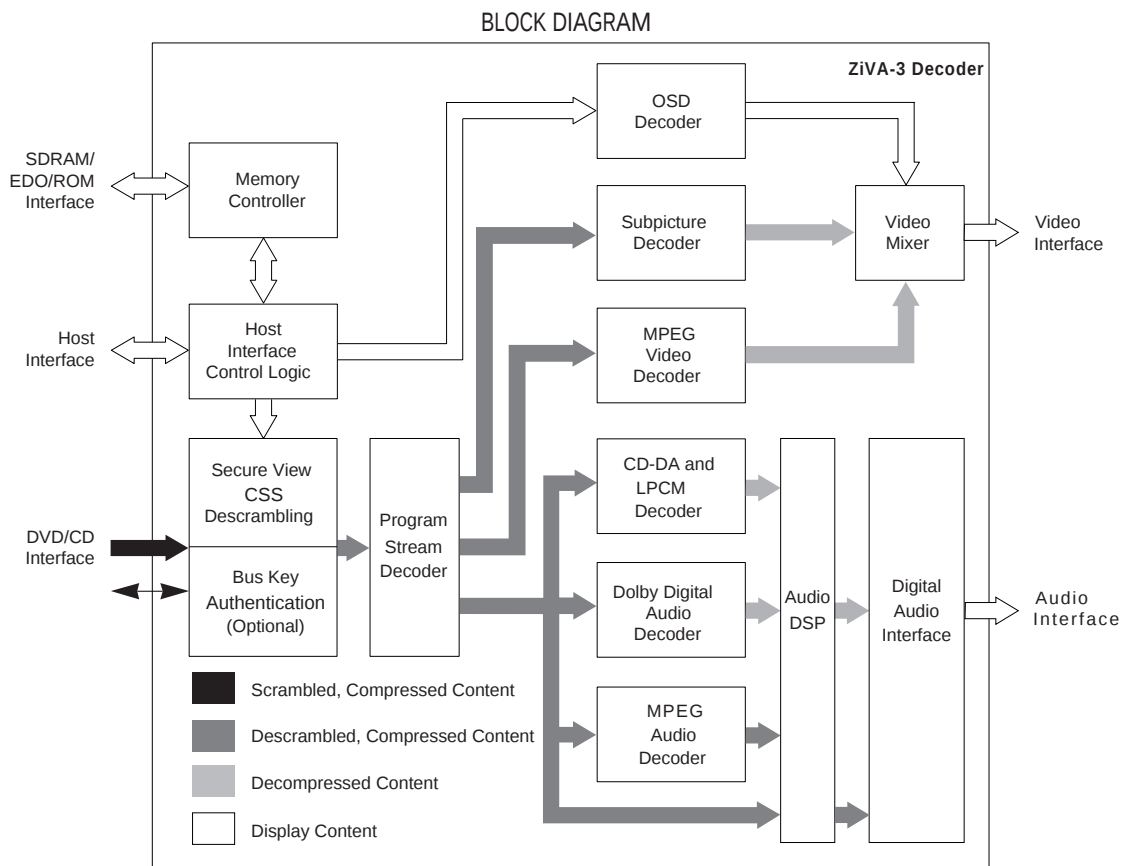
2-1-5 DIC2 (KM416C254BJ-6 ; CMOS DRAM)

BLOCK DIAGRAM



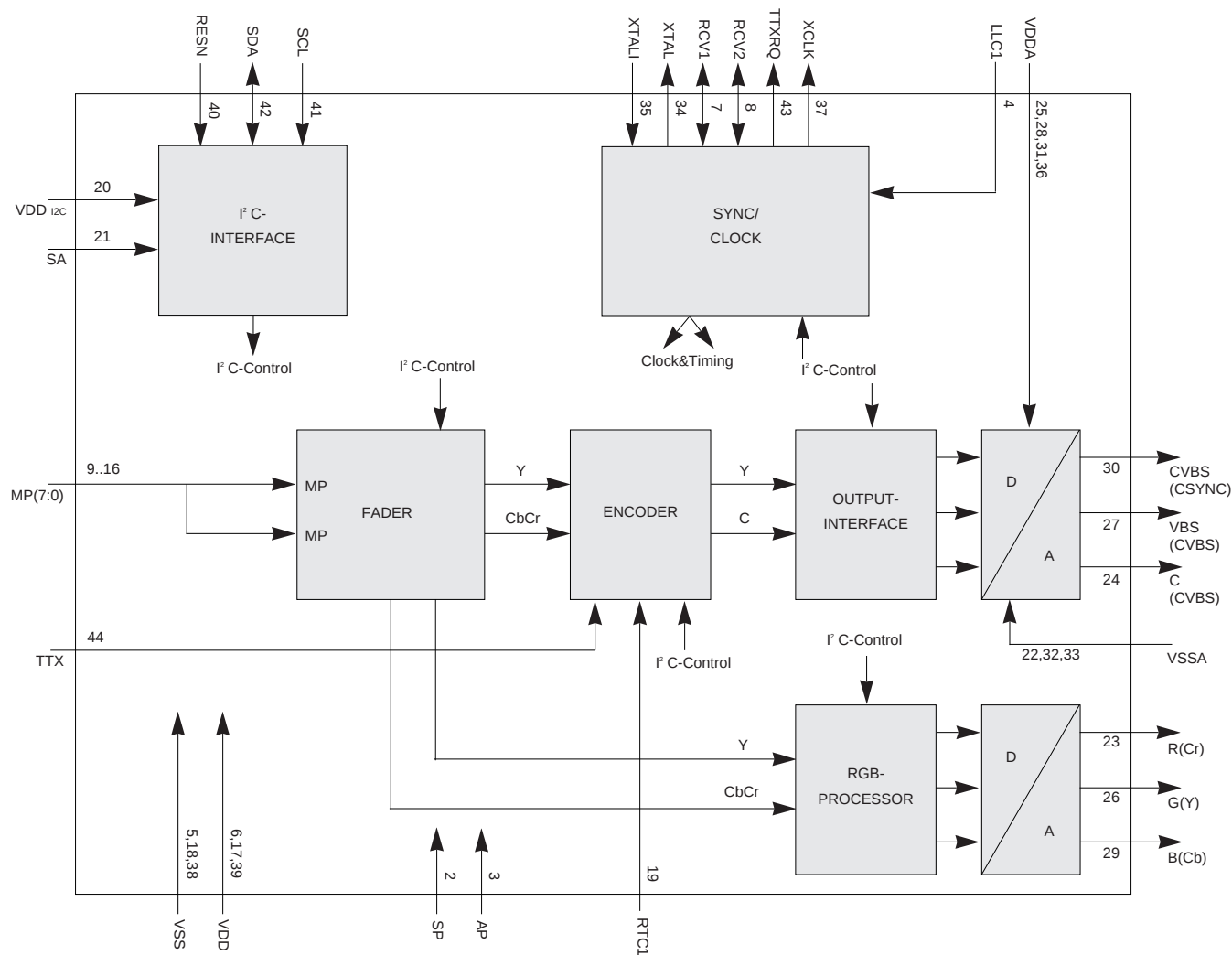
NAME	FUNCTION
A0-A8	Address Inputs
DQ0-15	Data in/Out
VSS	Ground
$\overline{\text{RAS}}$	Row Address Strobe
$\overline{\text{UCAS}}$	Upper Column Address Strobe
$\overline{\text{LCAS}}$	Lower Column Address Strobe
$\overline{\text{W}}$	Read/Write Input
$\overline{\text{OE}}$	Data Output Enable

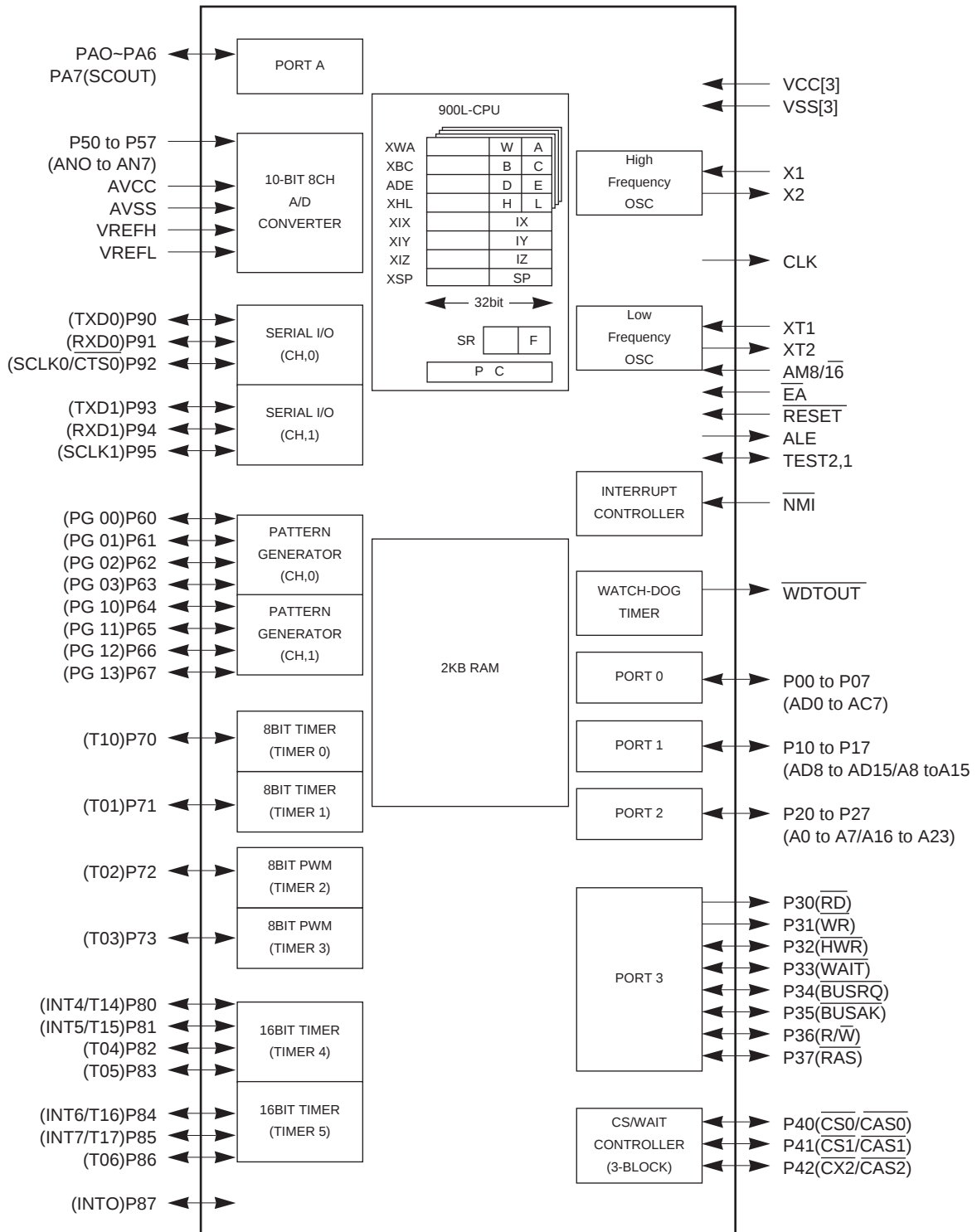
2-1-6 VIC1 (ZiVA-3 ; Audio/Video Decoder)



2-1-7 VIC50 (SAA7128 ; Digital Video Encoder)

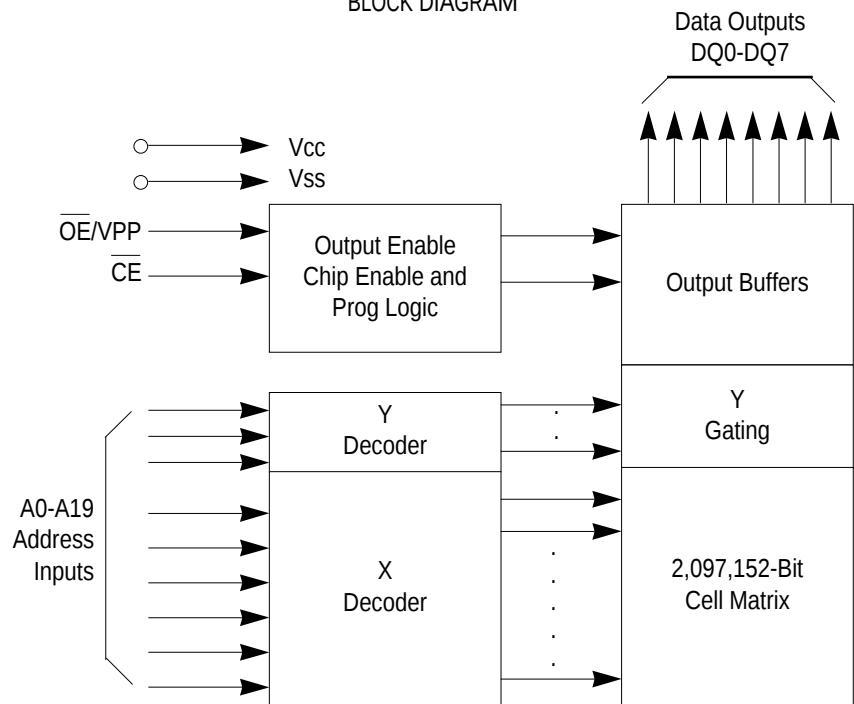
BLOCK DIAGRAM



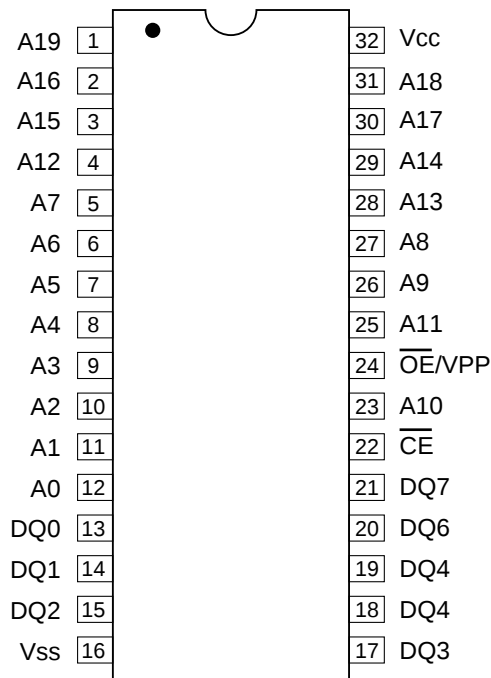
2-1-8 MIC1 (TMP93CM41F ; Main Micom)

2-1-9 MIC8 (M27C801 ; 8MB (1M x 8-bit) CMOS EPROM)

BLOCK DIAGRAM



TOP VIEW



NAME	FUNCTION
A0-A19	Address Inputs
CE	Chip Enable Input
DQ0-DQ7	Data Input/Outputs
OE	Output Enable Input
Vcc	Vcc Syply Voltage
Vss	Ground

13-2 Main Power Supply

