

MAIN I (SYSTEM CONTROL/ SERVO) SCHEMATIC DIAGRAM



NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-V4022-K	A
PV-V4522-K	B
PV-V462	C
PV-V4602	D
PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT

TERMINAL VOLTAGE	0V ~ 0.6V	0.7V ~ 1.9V	2.0V ~ 3.1V	3.2V ~ 4.4V
KEY DATA1 (PIN 89)	-----	REC	STOP/EJECT	-----
KEY DATA2 (PIN 88)	-----	REW	PLAY	FF
KEY DATA3 (PIN 87)	CH DOWN	-----	-----	-----
KEY DATA4 (PIN 86)	TV/VCR	CH UP	-----	POWER

C.E.F.G

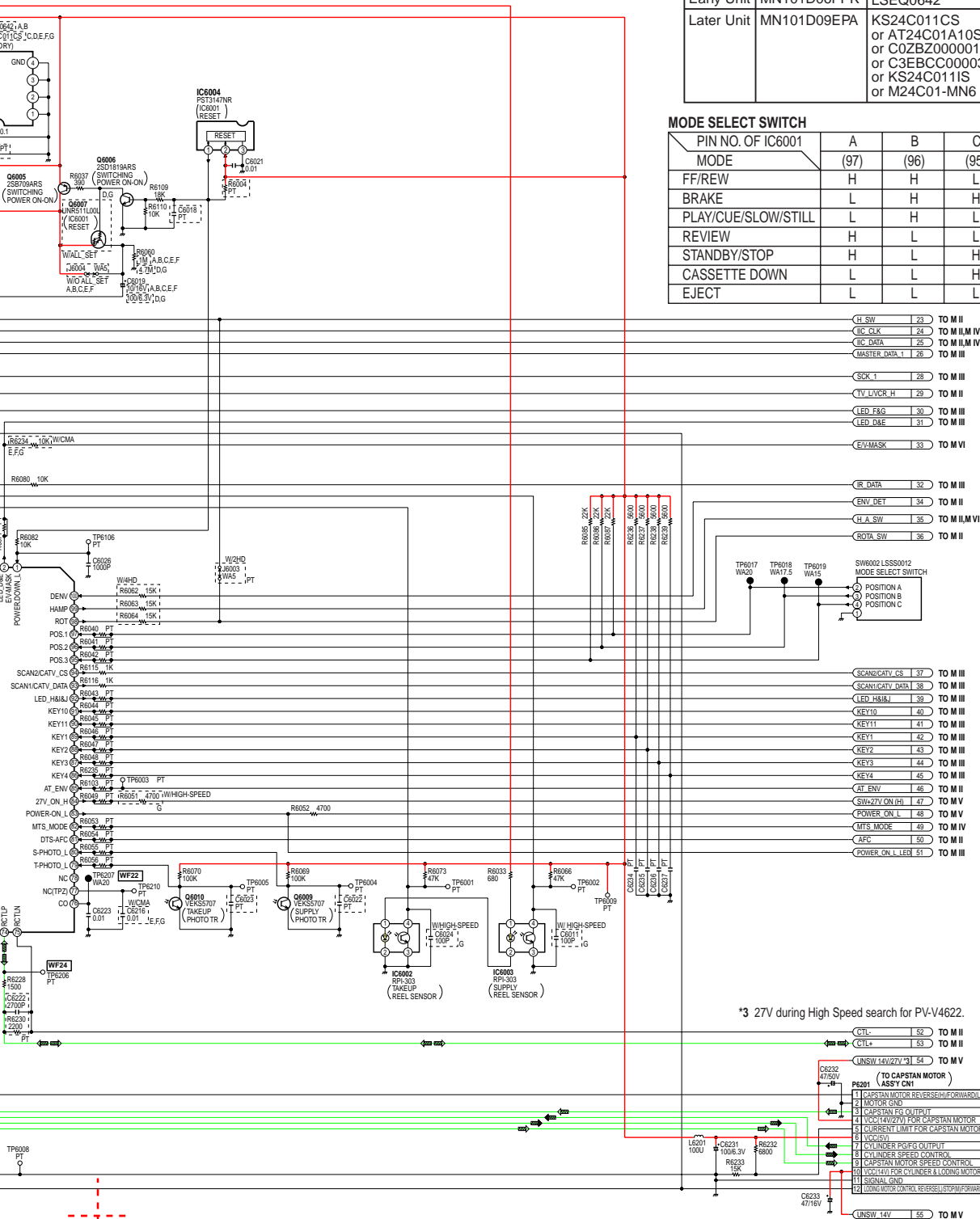
TERMINAL VOLTAGE	0V ~ 0.6V	0.7V ~ 1.9V	2.0V ~ 3.1V	3.2V ~ 4.4V
KEY DATA1 (PIN 89)	-----	-----	STOP/EJECT	-----
KEY DATA2 (PIN 88)	-----	REW	PLAY	FF
KEY DATA3 (PIN 87)	CH DOWN	-----	-----	-----
KEY DATA4 (PIN 86)	REC	CH UP	-----	POWER

※ 1 Microcontroller IC (IC6001) and EEPROM IC (IC6005) replacement note for PV-V4022-K and PV-V4522-K:
In early units, MN101D06FPK is used for Microcontroller IC (IC6001). In later units, MN101D09EPA is used for Microcontroller IC (IC6001). Please note that only MN101D09EPA is supplied as a replacement part and this can be used with both types of EEPROM IC (IC6005). When replacing EEPROM IC (IC6005), be sure to confirm which type of Microcontroller IC (IC6001) is used on the unit you are servicing and install the proper part for EEPROM IC (IC6005).

	Microcontroller IC (IC6001)	EEPROM IC (IC6005)
Early Unit	MN101D06FPK	LSEQ0642
Later Unit	MN101D09EPA	KS24C011CS or AT24C01A10SI or C02BZ0000015 or C3EBCC000038 or KS24C011IS or M24C01-MN6

MODE SELECT SWITCH

PIN NO. OF IC6001	A	B	C
MODE	(97)	(96)	(95)
FF/REW	H	H	L
BRAKE	L	H	H
PLAY/CUE/SLOW/STILL	L	H	L
REVIEW	H	L	L
STANDBY/STOP	H	L	H
CASSETTE DOWN	L	L	H
EJECT	L	L	L



*3 27V during High Speed search for PV-V4622.

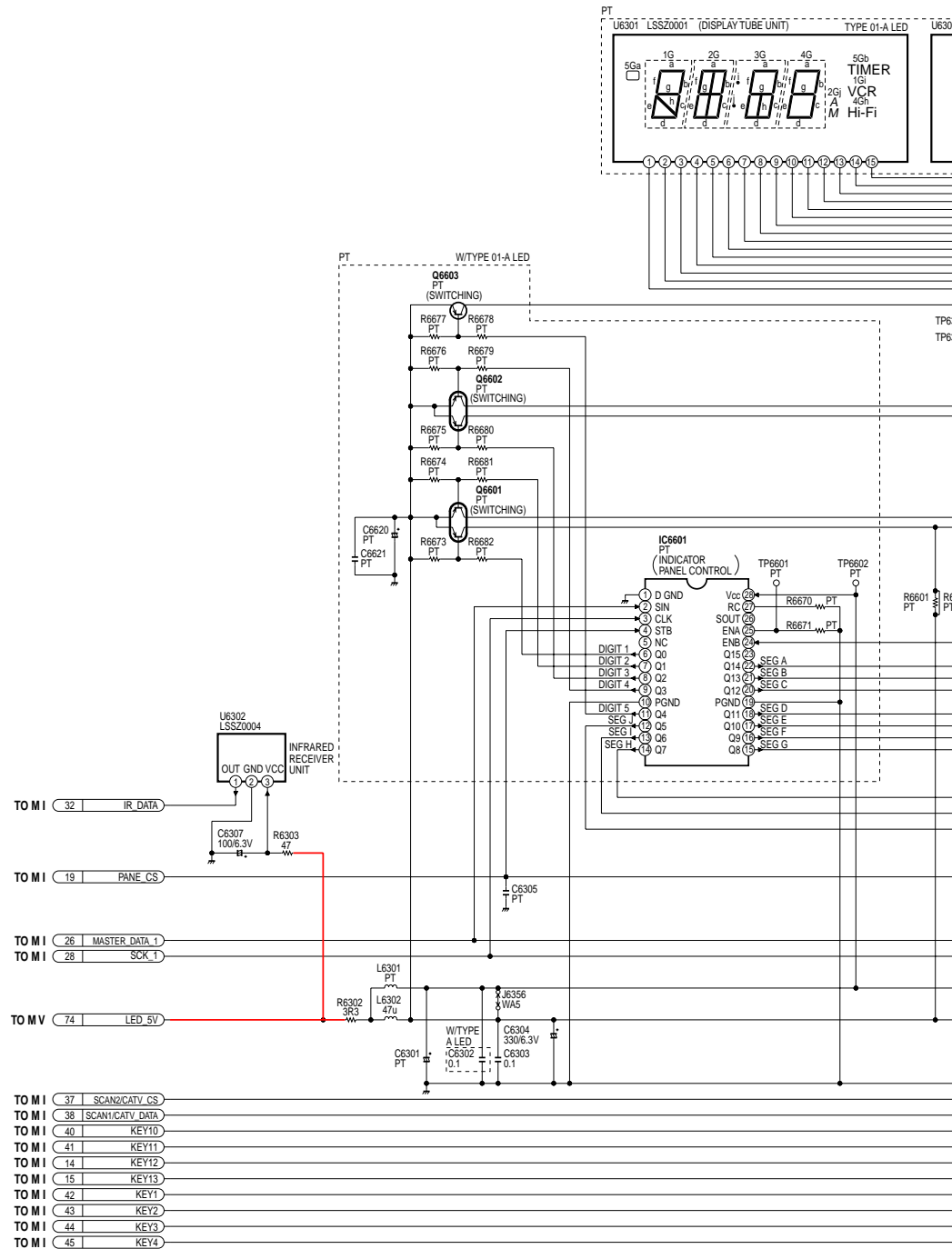
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PV-V4022-K/PV-V4522-K
/PV-V462/PV-V4602
/PV-V4612S/PV-V4612-K/PV-V4622
MAIN I (SYSTEM CONTROL
/SERVO) SCHEMATIC DIAGRAM



COMPARISON CHART OF MODELS & MARKS

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MAIN III (OPERATION) SCHEMATIC DIAGRAM



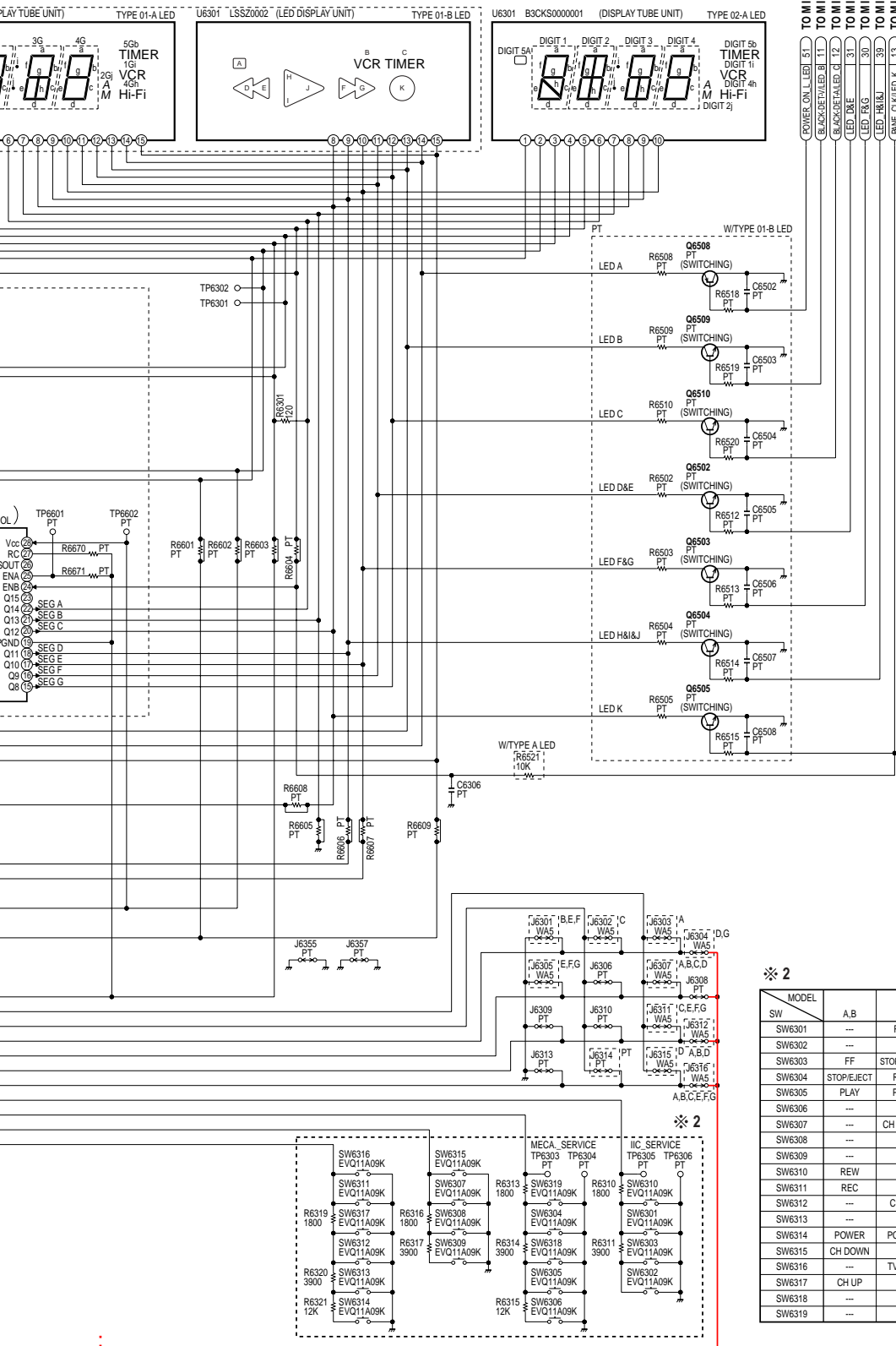
TO M V 2 UNSW 5V SYSCON

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COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
PV-V4022-K	A
PV-V4522-K	B
PV-V462	C
PV-V4602	D
PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT



※ 2

MODEL	A,B	D	C,E,F,G
SW6301	---	REC	---
SW6302	---	---	---
SW6303	FF	STOPEJECT	STOPEJECT
SW6304	STOPEJECT	REW	REW
SW6305	PLAY	PLAY	PLAY
SW6306	---	FF	FF
SW6307	---	CH DOWN	---
SW6308	---	---	---
SW6309	---	---	---
SW6310	REW	---	---
SW6311	REC	---	REC
SW6312	---	CH UP	---
SW6313	---	---	---
SW6314	POWER	POWER	POWER
SW6315	CH DOWN	---	CH DOWN
SW6316	---	TV/CR	---
SW6317	CH UP	---	CH UP
SW6318	---	---	---
SW6319	---	---	---

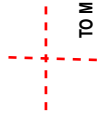
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PV-V4022-K/PV-V4522-K/PV-V462

/PV-V4602/PV-V4612S/PV-V4612-K/PV-V4622

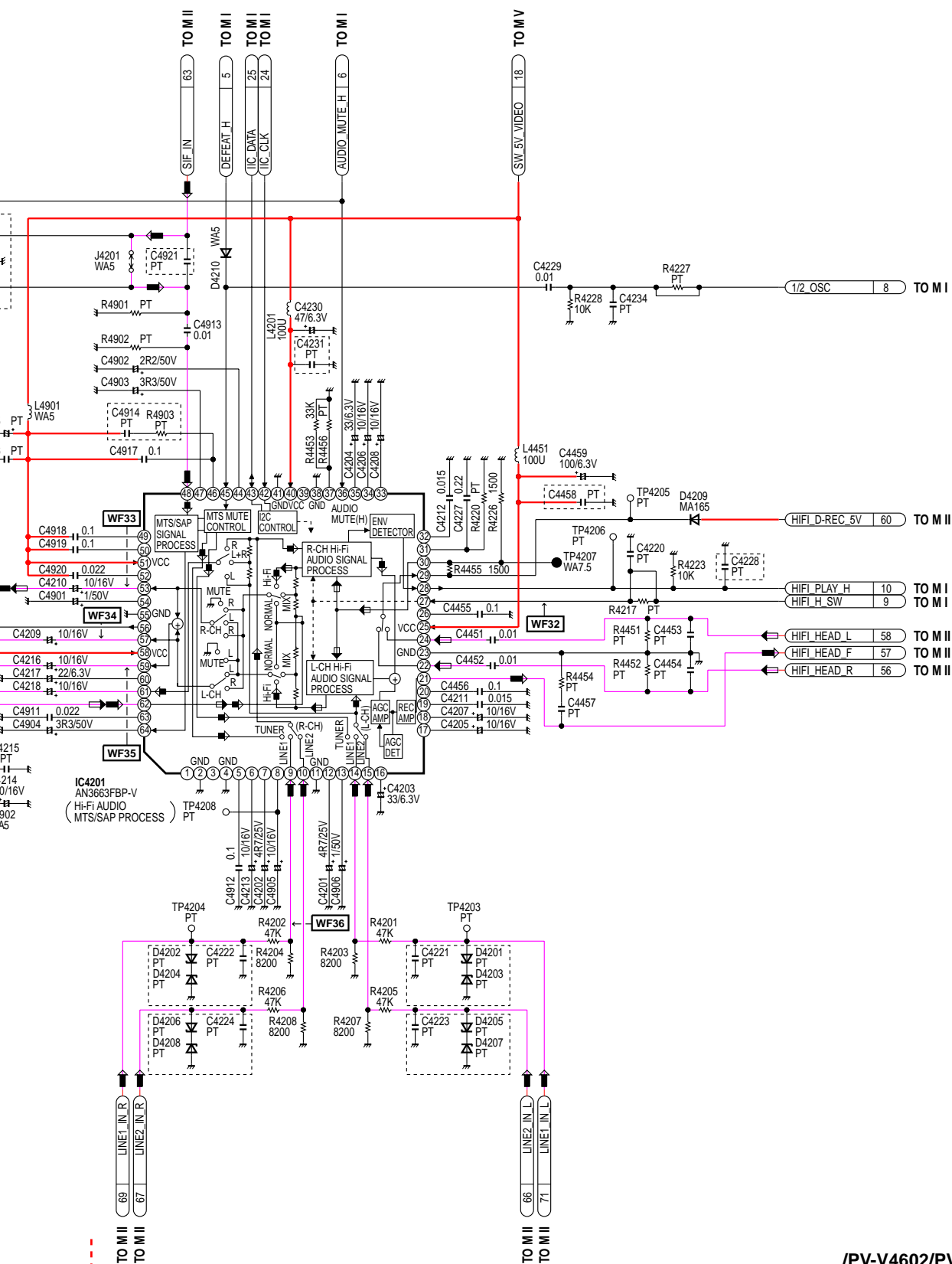
MAIN III (OPERATION) SCHEMATIC DIAGRAM

◀ PB AUDIO SIGNAL



COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-V4022-K	A
PV-V4522-K	B
PV-V462	C
PV-V4602	D
PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT



MAIN IV (Hi-Fi) SCHEMATIC DIAGRAM

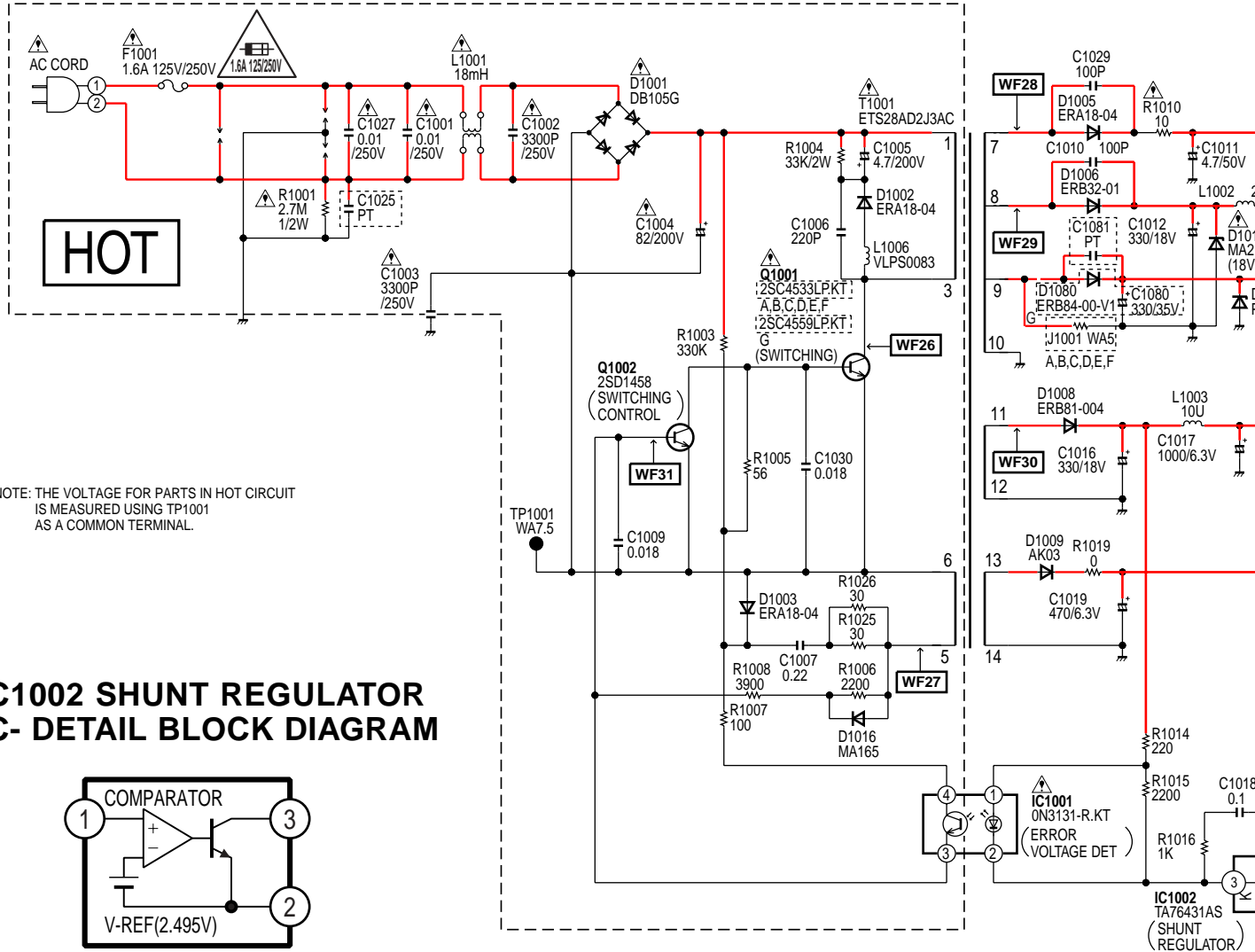
MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'INCENDIE N'UTILISER QUE DES FUSIBLE DE MÊME
TYPE 1.6A 125/250V



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



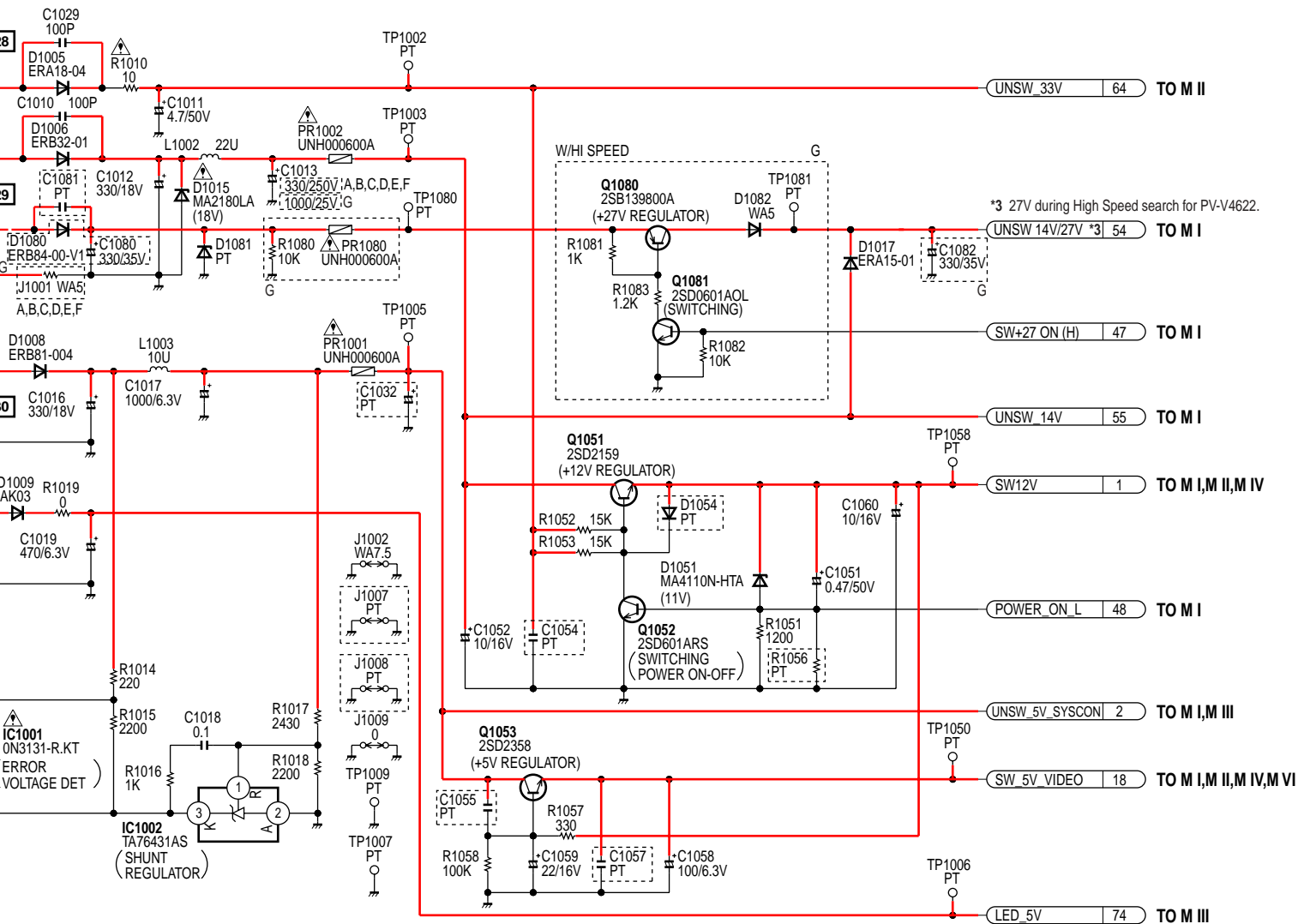
NOTE: For placing a purchase order of the parts,
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COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
PV-V4022-K	A
PV-V4522-K	B
PV-V462	C
PV-V4602	D
PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT

E
FETY.



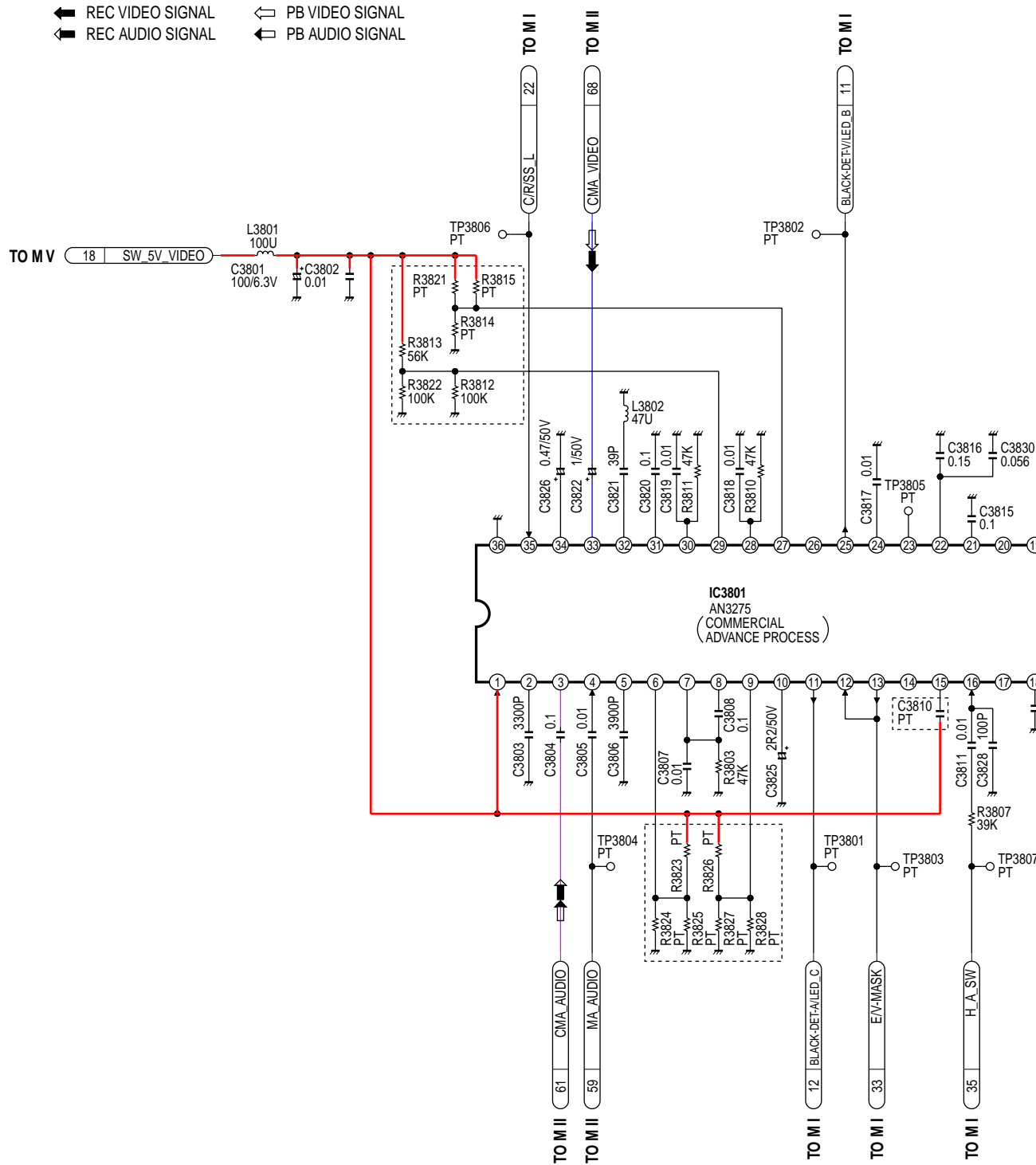
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PV-V4022-K/PV-V4522-K/PV-V462

/PV-V4602/PV-V4612S/PV-V4612-K/PV-V4622

MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

MAIN VI (ADVANCE) SCHEMATIC DIAGRAM (E,F,G)



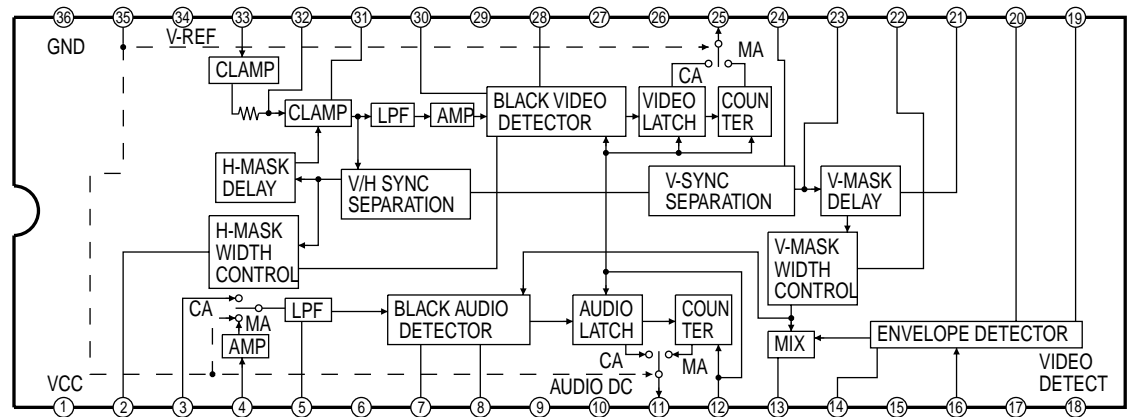
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COMPARISON CHART
OF MODELS & MARKS

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PV-V4522-K	B
PV-V462	C
PV-V4602	D
PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT

IC3801 COMMERCIAL ADVANCE PROCESS IC- DETAIL BLOCK DIAGRAM



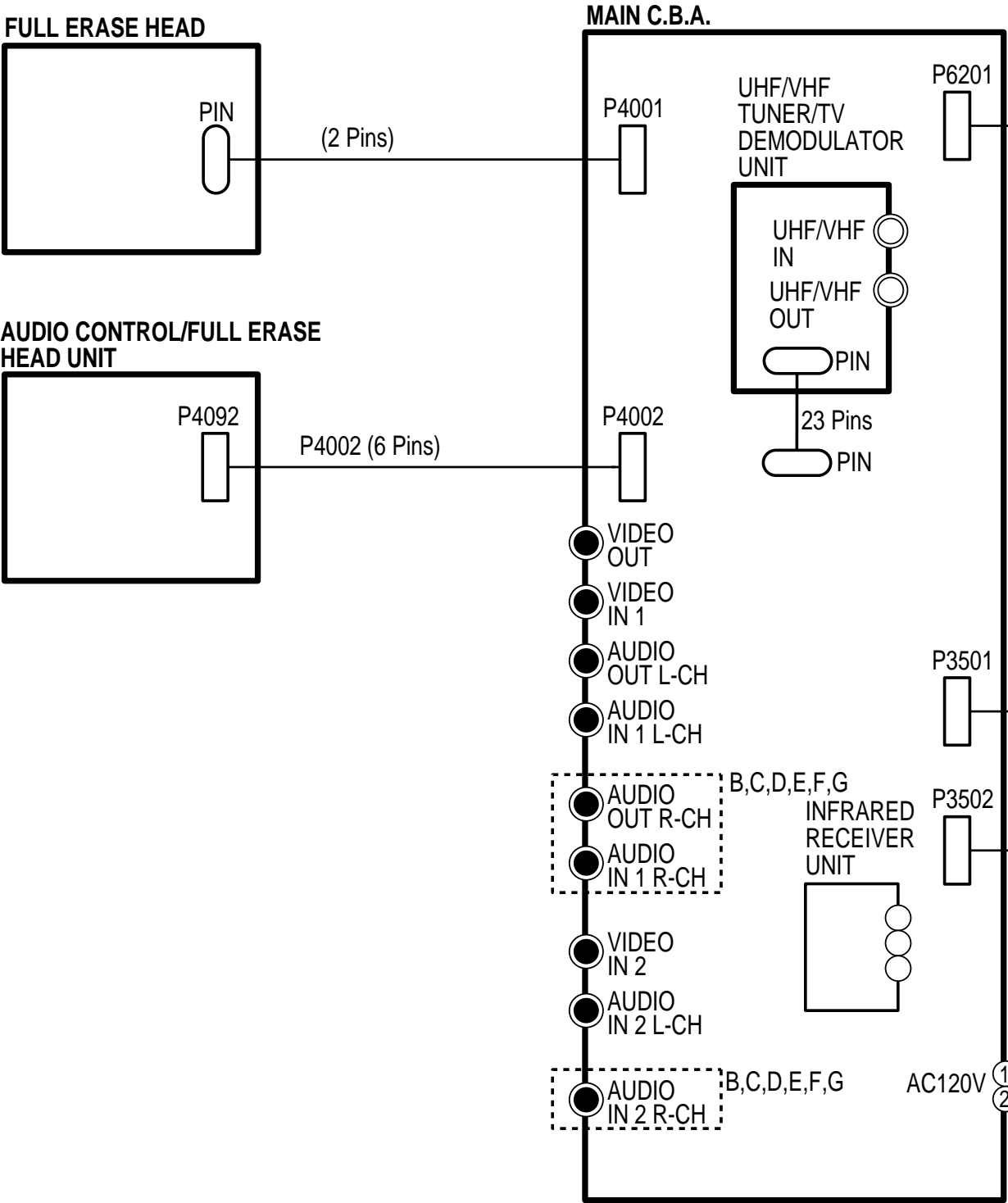
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PV-V4612S/PV-V4612-K/PV-V4622

MAIN VI (ADVANCE) SCHEMATIC DIAGRAM

7.3. INTERCONNECTION SCHEMATIC DIAGRAM

INTERCONNECTION SCHEMATIC DIAGRAM

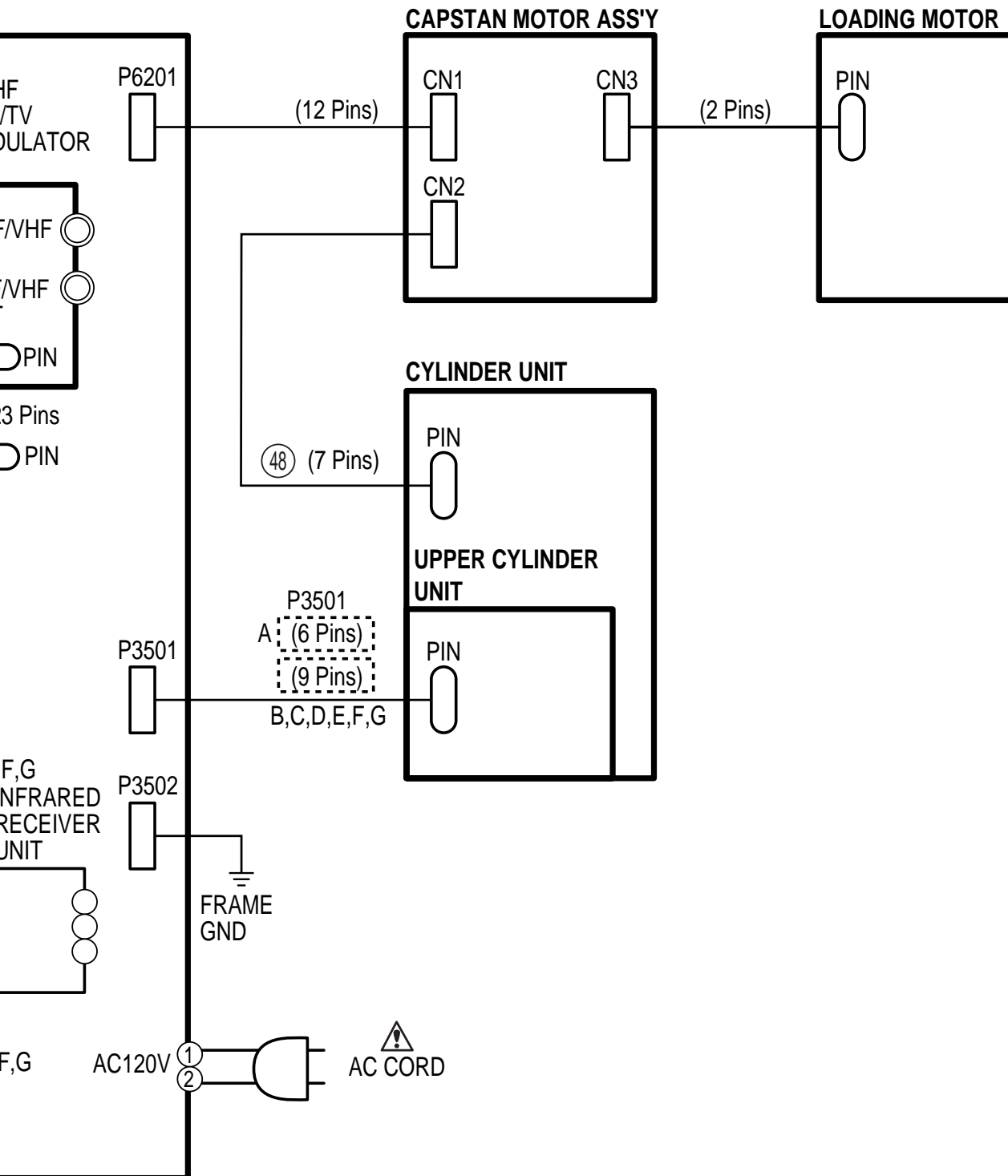


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PV-V4612S	E
PV-V4612-K	F
PV-V4622	G
Not used	PT



PV-V4022-K/PV-V4522-K/PV-V462
/PV-V4602/PV-V4612S/PV-V4612-K/PV-V4622
INTERCONNECTION SCHEMATIC DIAGRAM