

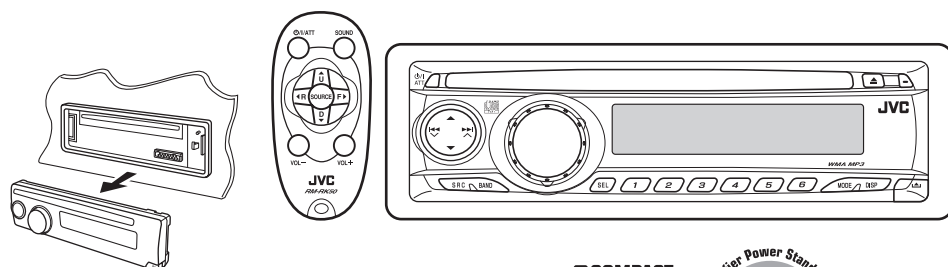
JVC

SCHEMATIC DIAGRAMS

CD RECEIVER

**KD-AR370J, KD-G320J, KD-G421E
KD-G421EX, KD-G421EY, KD-G421EU
KD-G424UI, KD-G425UT, KD-G425UH
KD-G425UN, KD-G425U, KD-G427EE**

CD-ROM No.SML200601



**WMA
MP3**

**SAT
RADIO
READY**

**COMPACT
disc
DIGITAL AUDIO
TEXT**



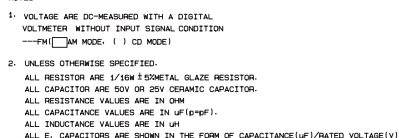
R·D·S

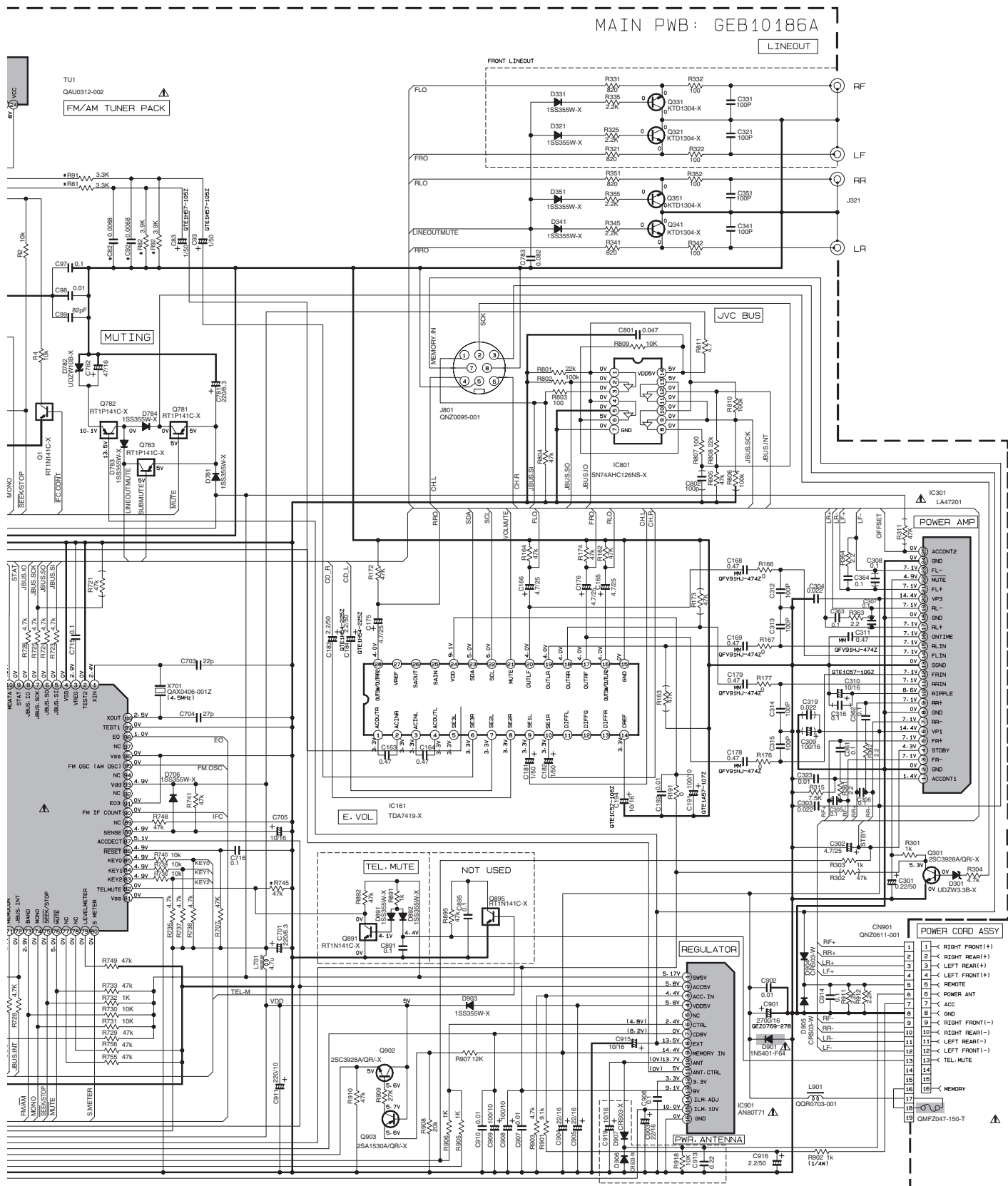
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

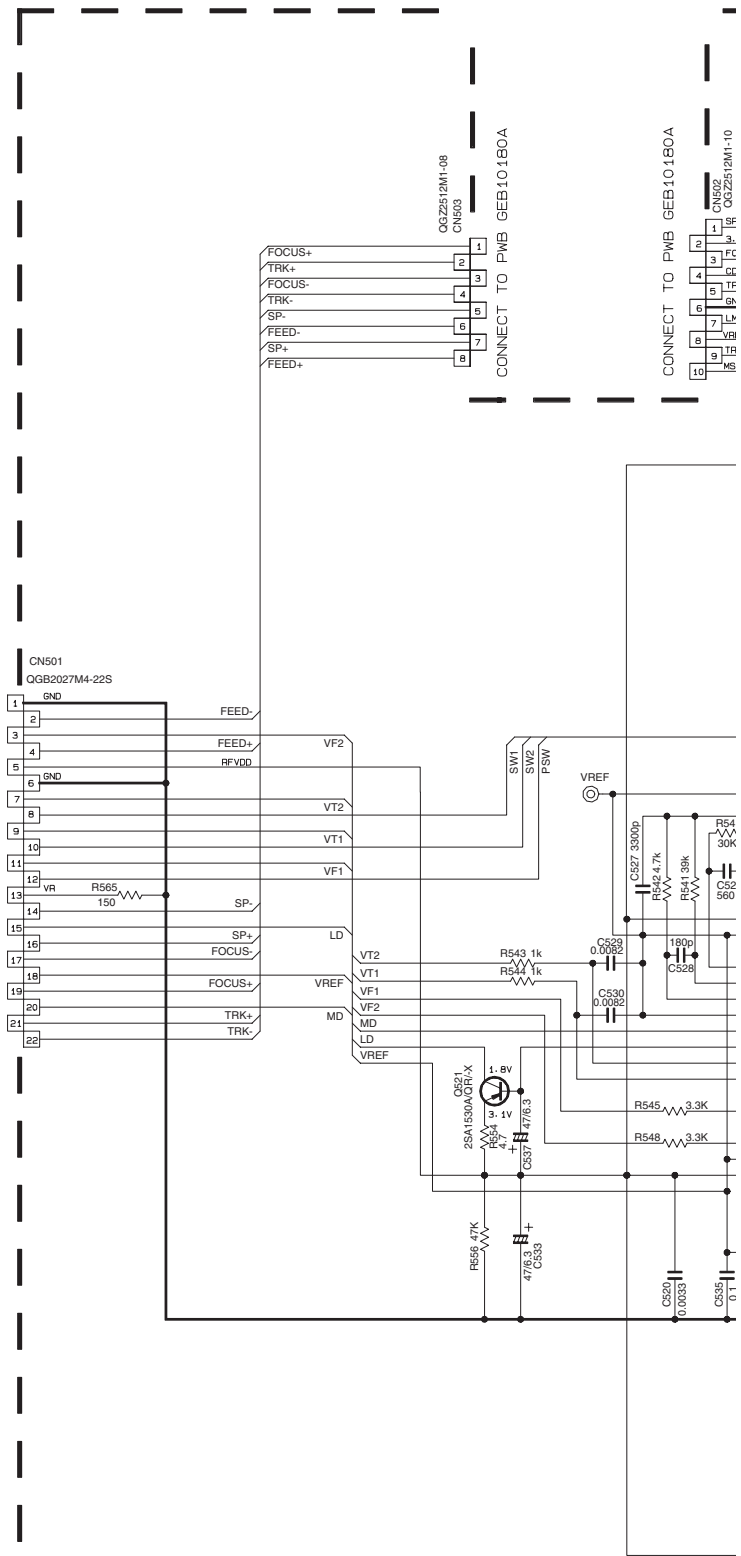
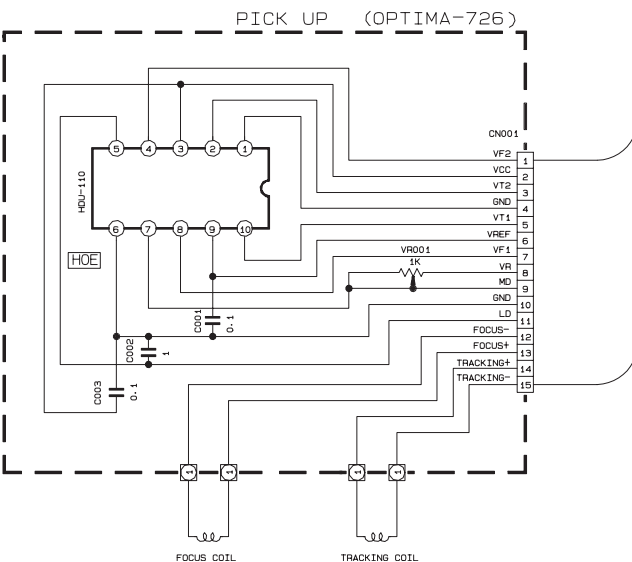
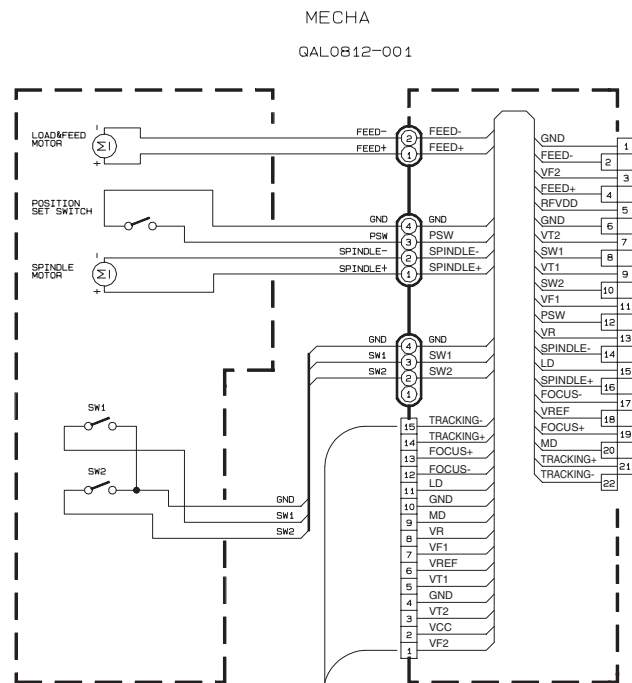
Block diagram	2-1
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Printed circuit boards	2-29 to 31

■ Main section (for KD-AR370,KD-G320,KD-G424,KD-G425)



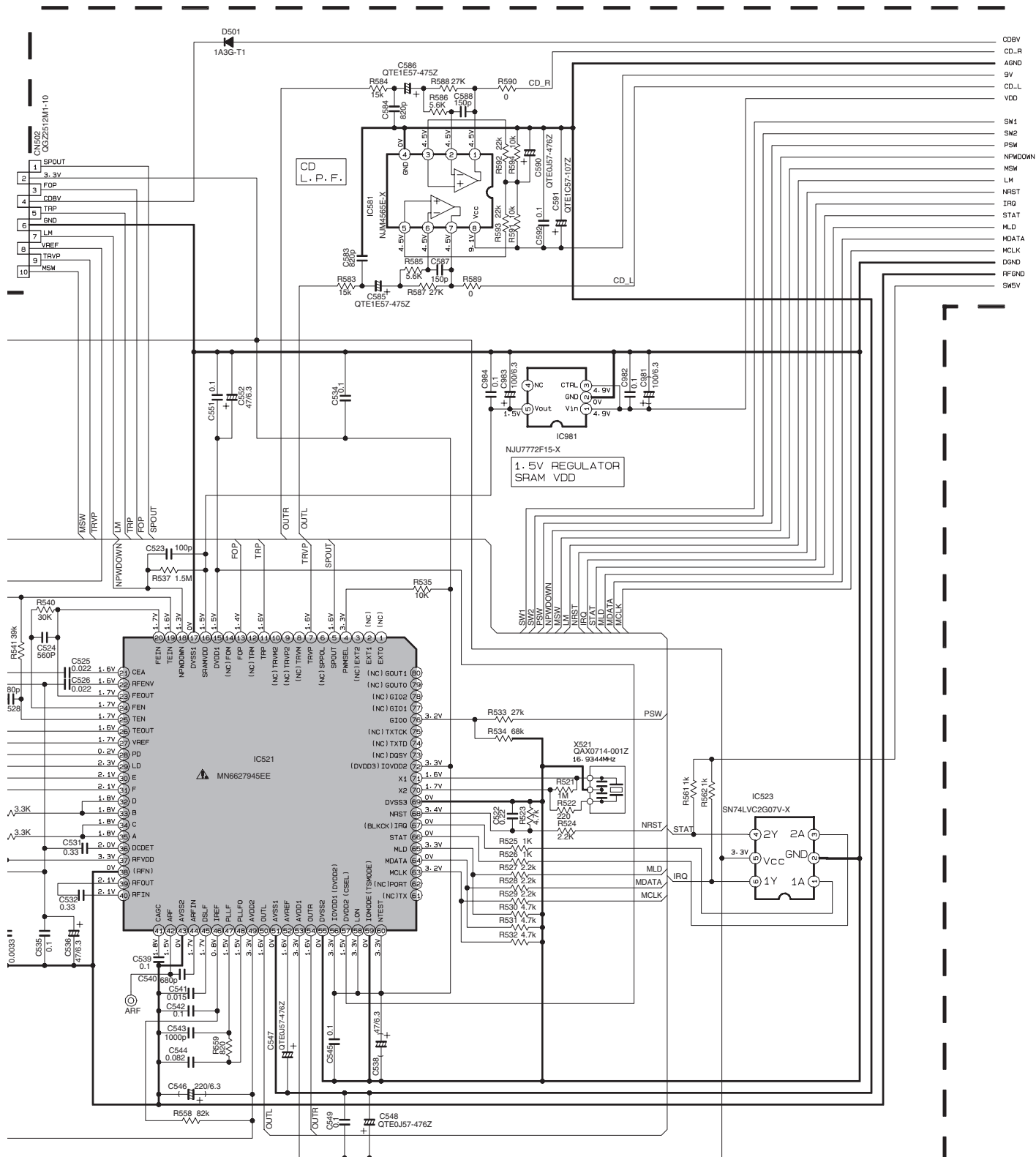


■ CD servo control section (for KD-AR370,KD-G320,KD-G424,KD-G425)



NOTES:

- VOLTAGE ARE DC-MEASURED WITH A DIGITAL VOLT-METER WITHOUT INPUT SIGNAL CONDITION
--- CD MODE.
- UNLESS OTHERWISE SPECIFIED.
ALL RESISTOR ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF (p-pF).
ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANT



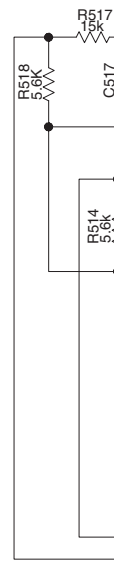
⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

3TOR:
1TOR:

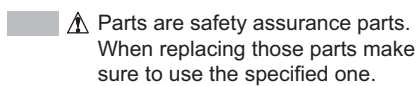
CAPACITANCE (uF)/RATED VOLTAGE (V)

■ Function section (for KD-AR370,KD-G320,KD-G424,KD-G425)

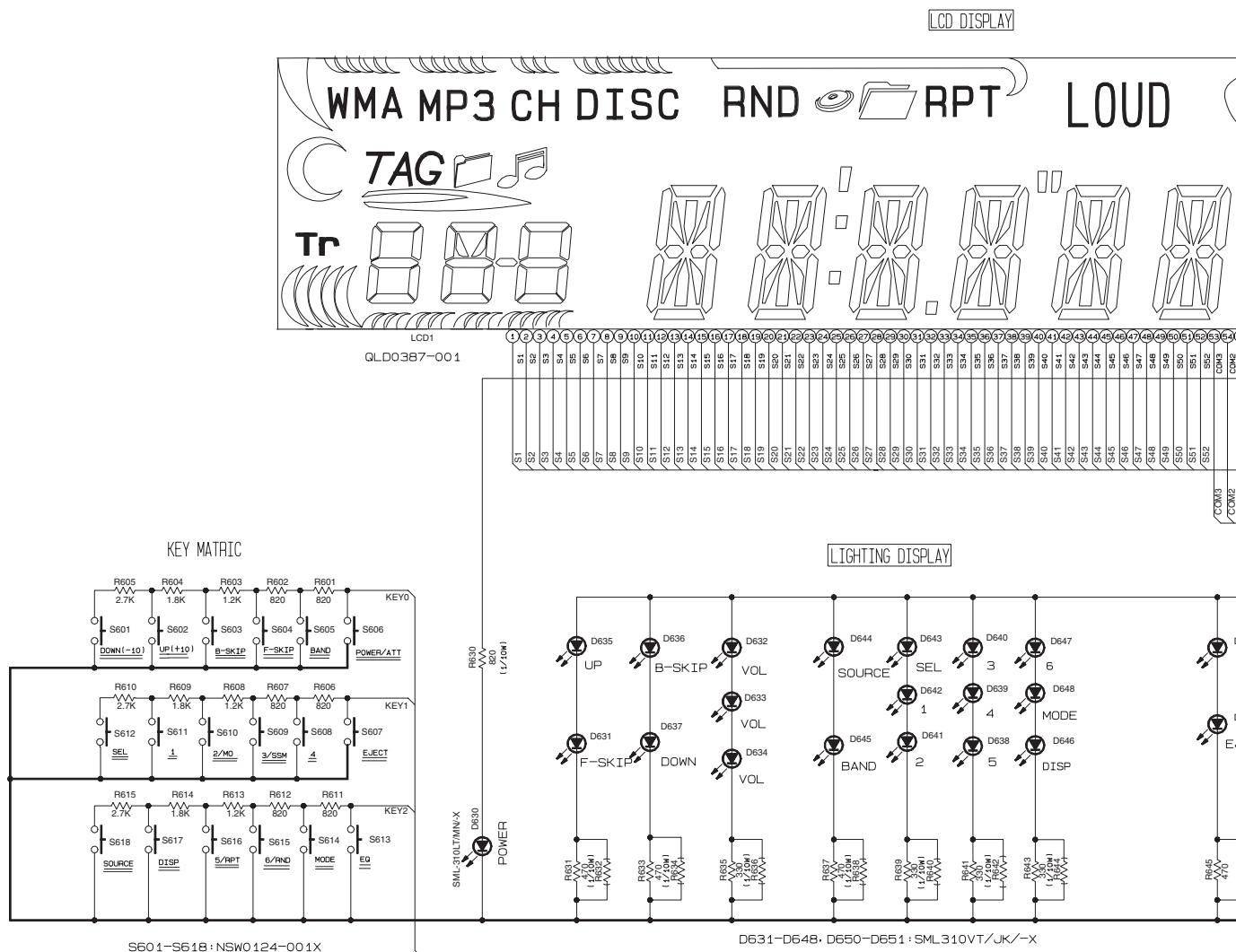
FUNCTION PWB:GEB10180A



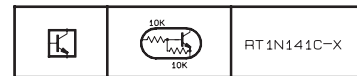
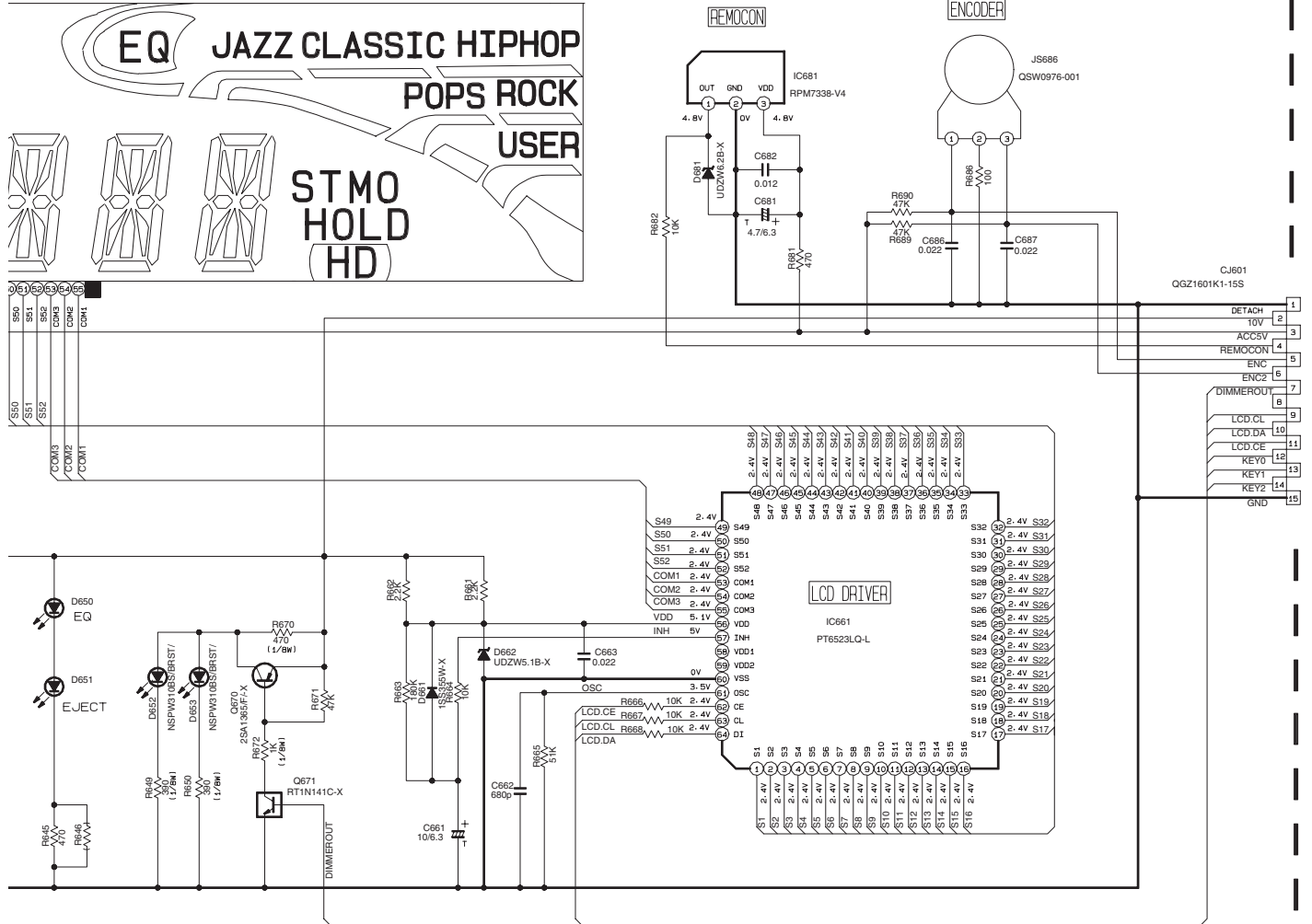
- NOTES:
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 - 2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTOR ARE 1/16W ± 5%METAL GLAZE RESISTOR.
ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF(p=pF).
ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)



■ LCD & Key control section (for KD-AR370,KD-G320,KD-G424,KD-G425)



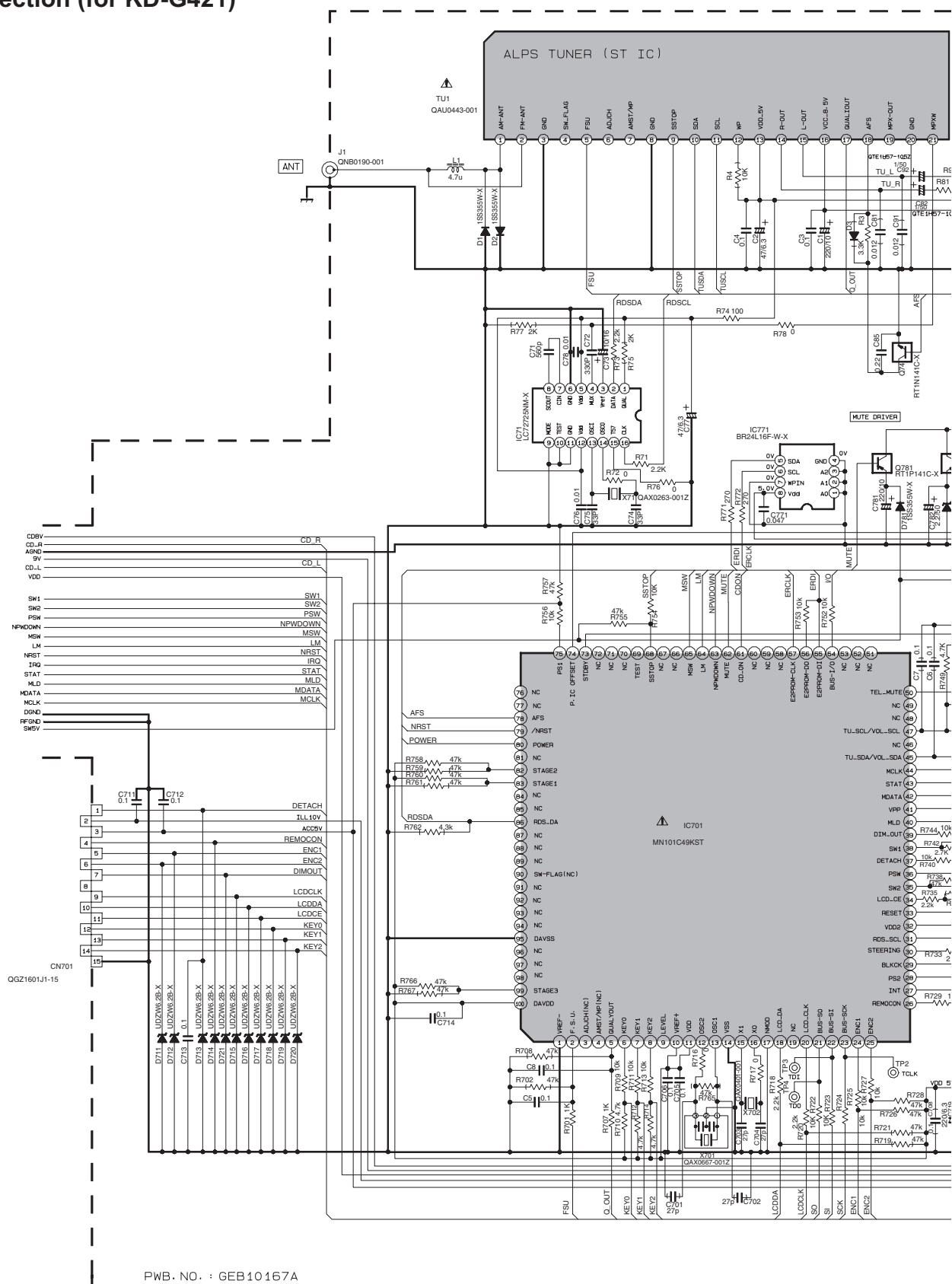
SW PWB : GEB10175A



NOTES

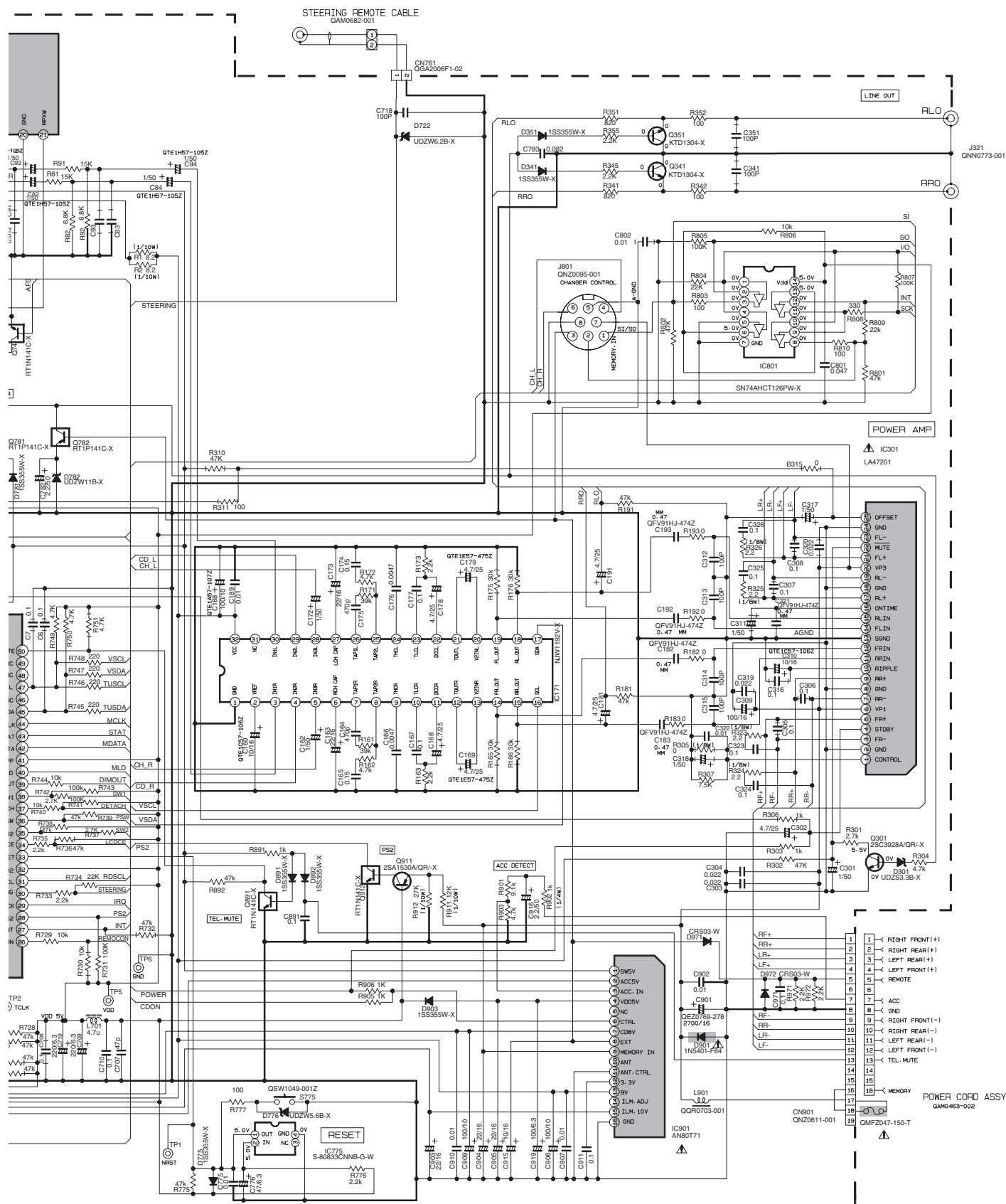
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF (P=pF)
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTAL CAPACITOR.
3. COMPONENTS IN () INDICATE NOT USE.

■ Main section (for KD-G421)



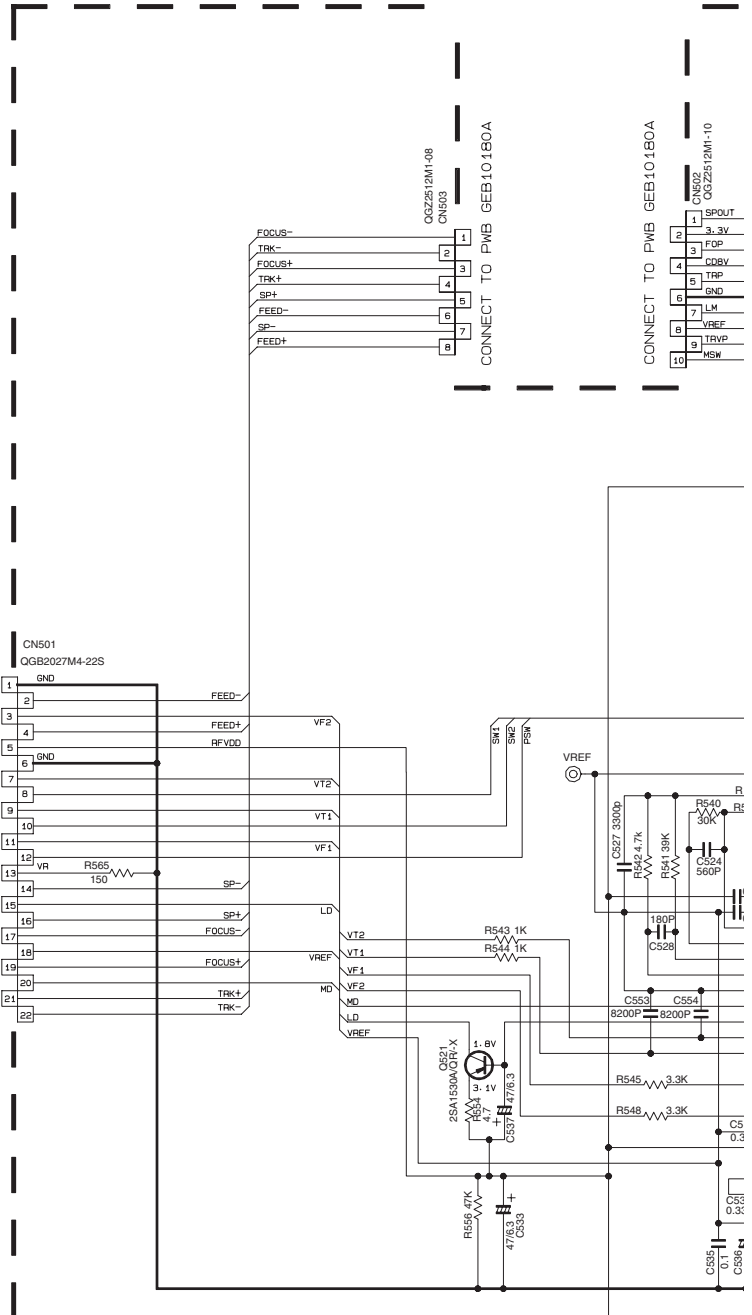
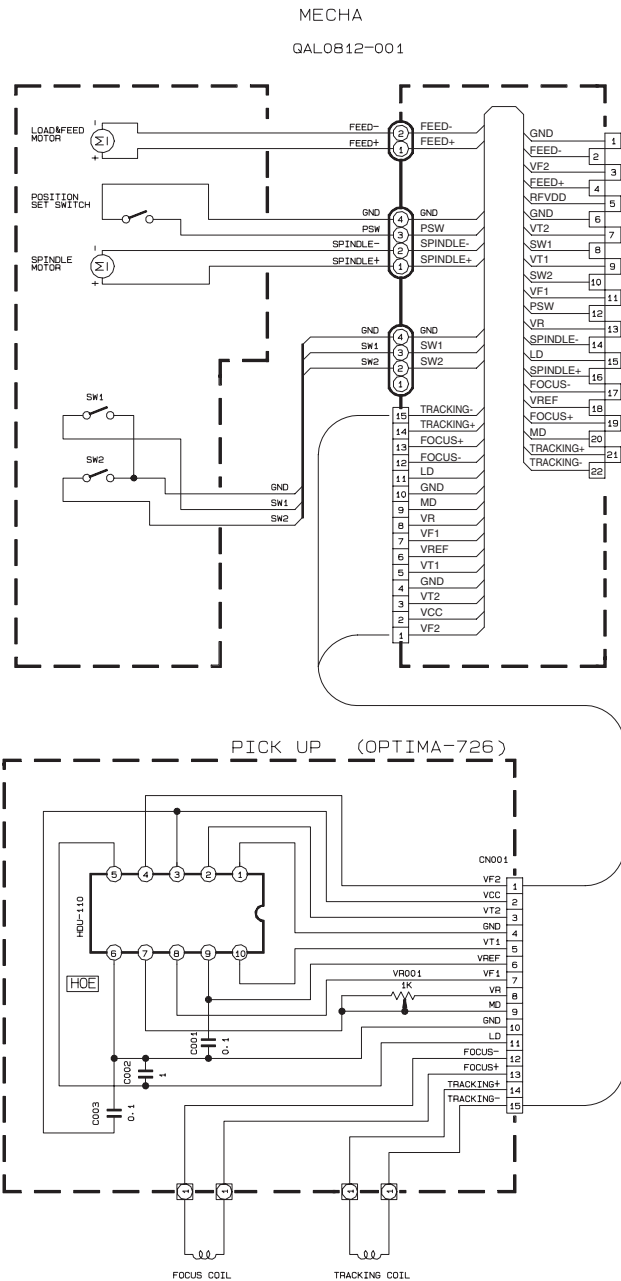
		RT1N141C-X
		RT1P141C-X

 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



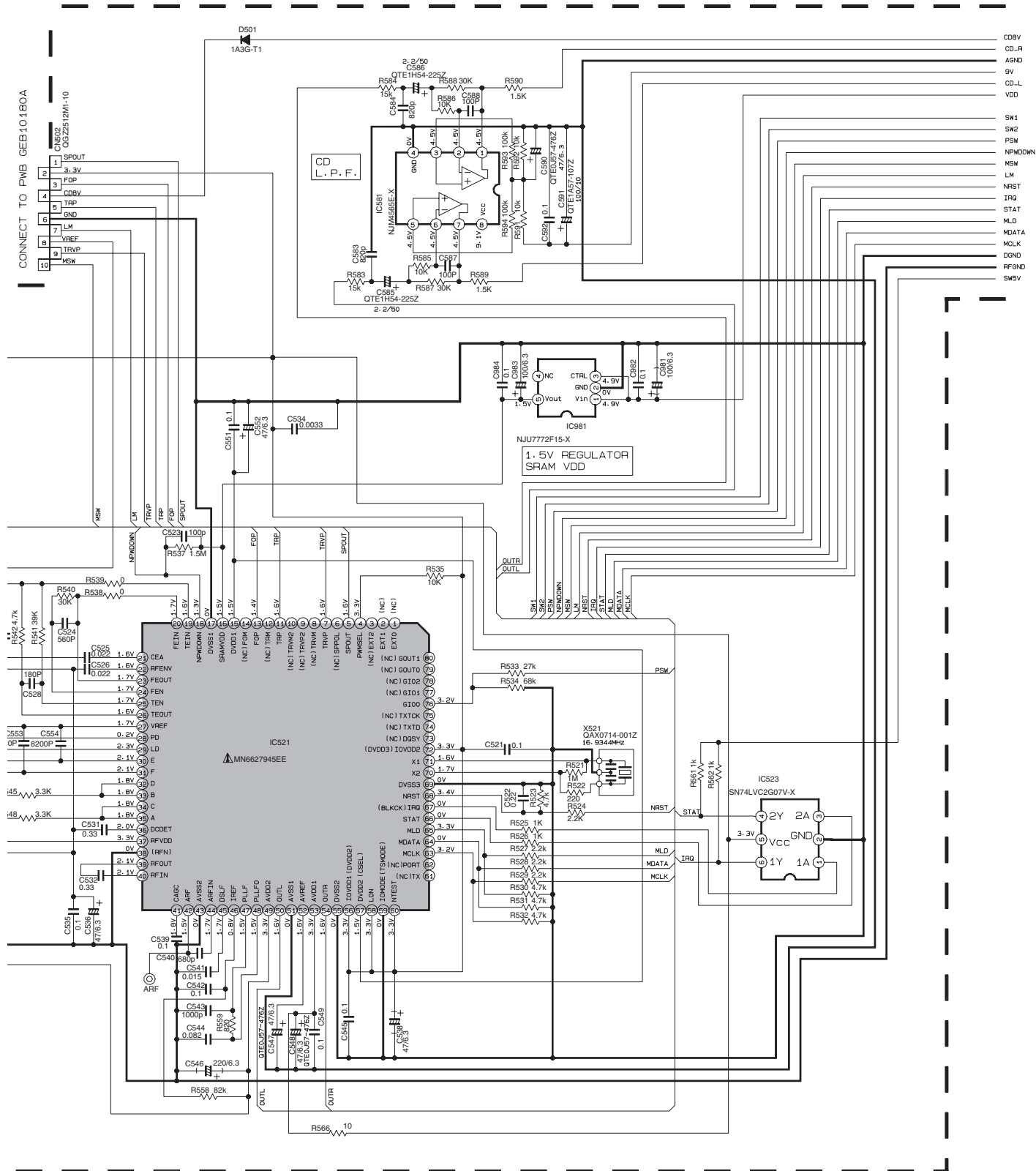
parts.
; make
ie.

■ CD servo control section (for KD-G421)



NOTES:

- VOLTAGE ARE DC-MEASURED WITH A DIGITAL VOLTMETER WITHOUT INPUT SIGNAL CONDITION
--- CD MODE.
- UNLESS OTHERWISE SPECIFIED.
ALL RESISTOR ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN μF (p=pF).
ALL INDUCTANCE VALUES ARE IN μH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)



ON

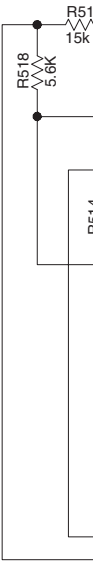
⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

RESISTOR:
CAPACITOR:

IN OF CAPACITANCE(μF)/RATED VOLTAGE(V)

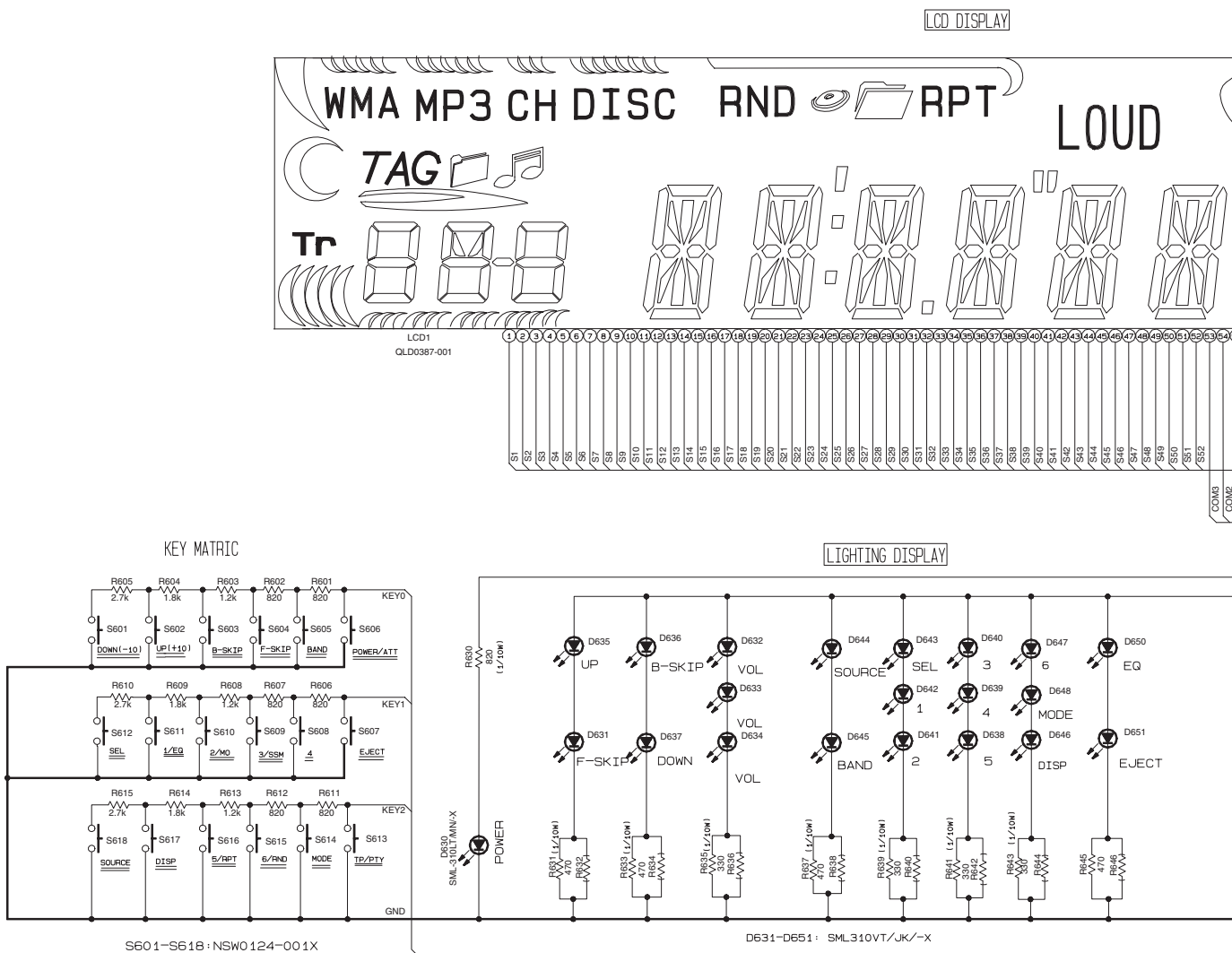
■ Function section (for KD-G421)

FUNCTION PWB:GEB10180A

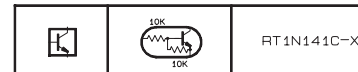
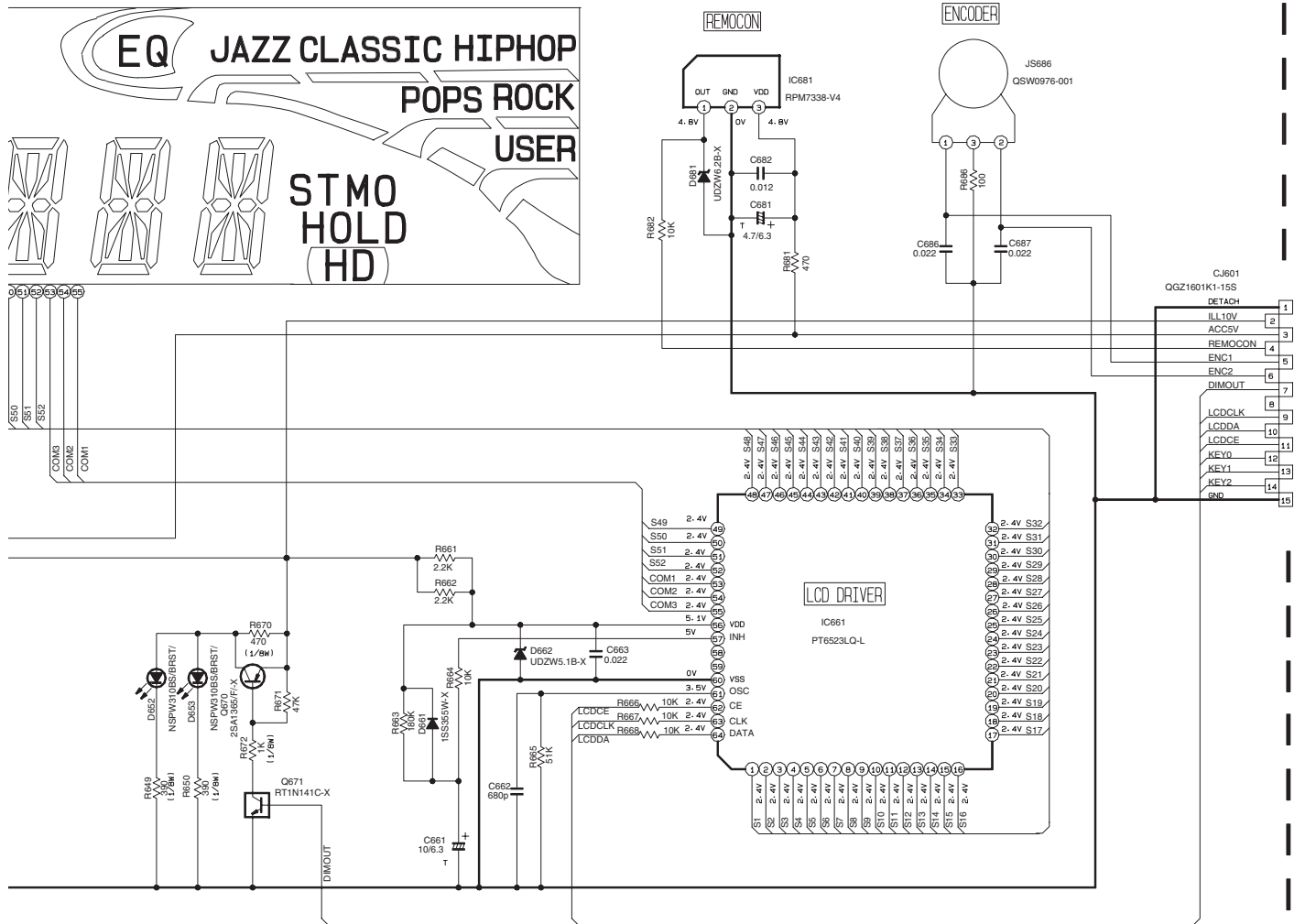


- NOTES:
1. VOLTAGE ARE DC-MEASURED WITH A DIGITAL
VOLTMETER WITHOUT INPUT SIGNAL CONDITION
--- CD MODE.
 2. UNLESS OTHERWISE SPECIFIED.
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ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF(p=pF).
ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

■ LCD & Key control section (for KD-G421)



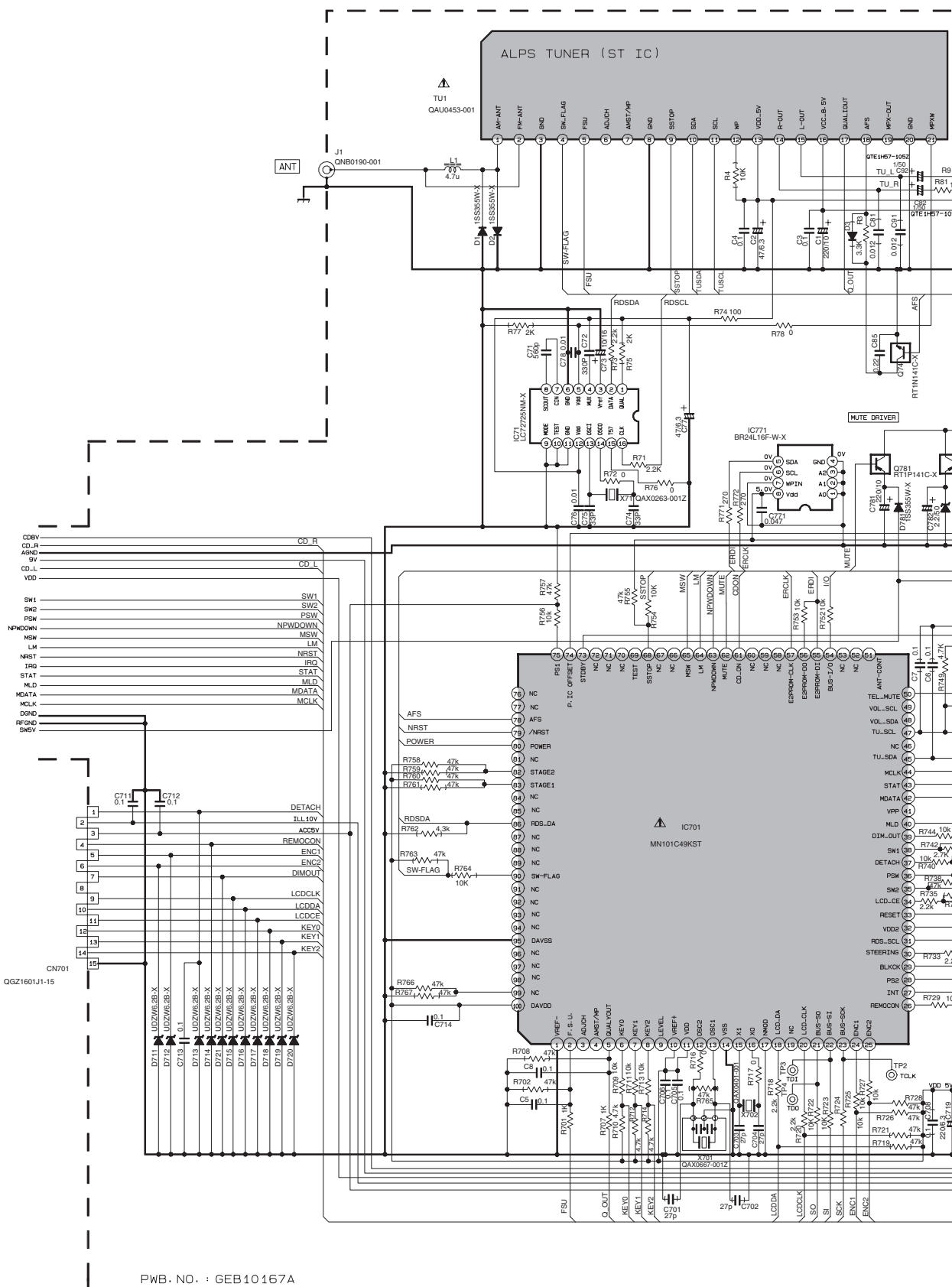
SW PWB: GEB10175A



NOTES

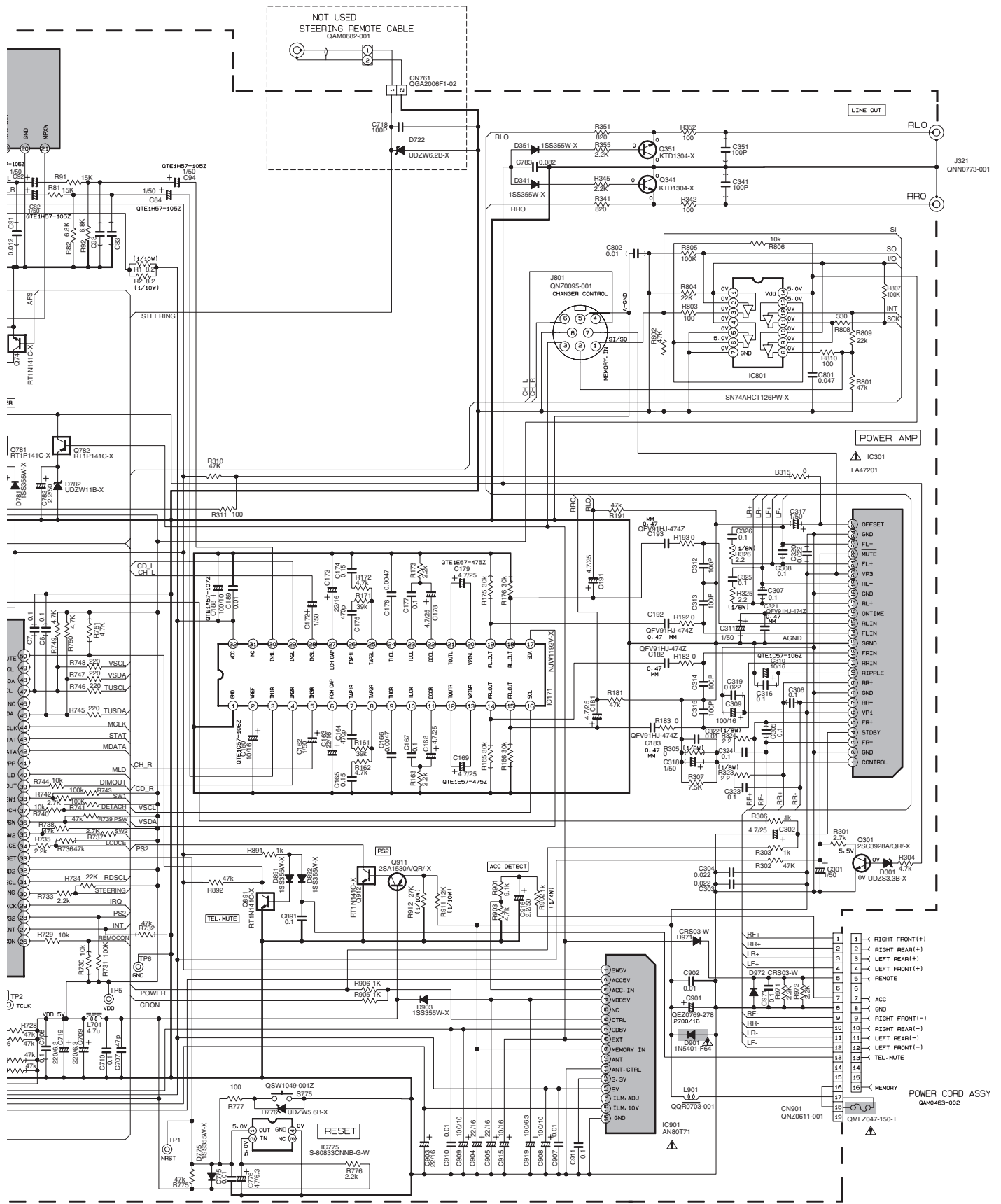
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
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ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF (P=pF)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTAL CAPACITOR.
3. COMPONENTS IN () INDICATE NOT USE.

■ Main section (for KD-G427)



	 10K 10K	RT1N141C-X
	 10K 10K	RT1P141C-X

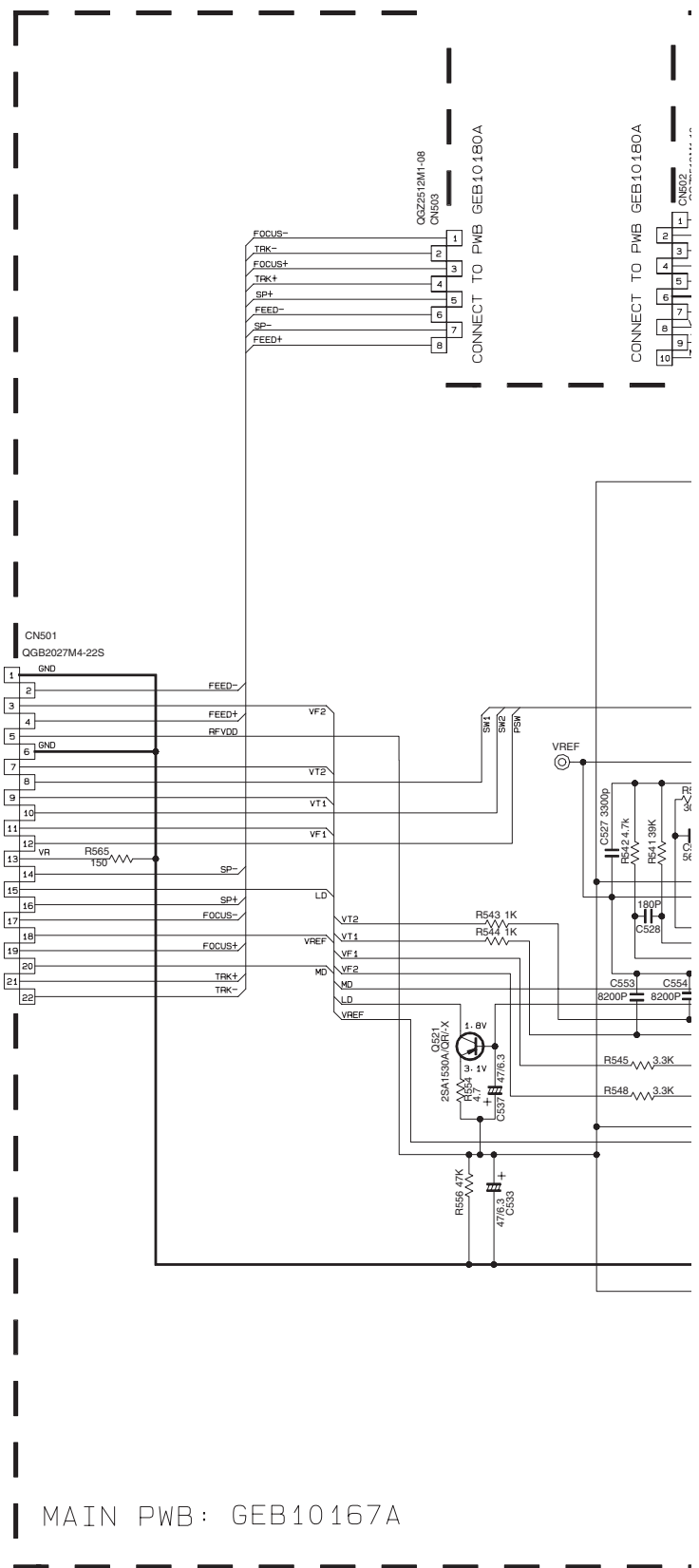
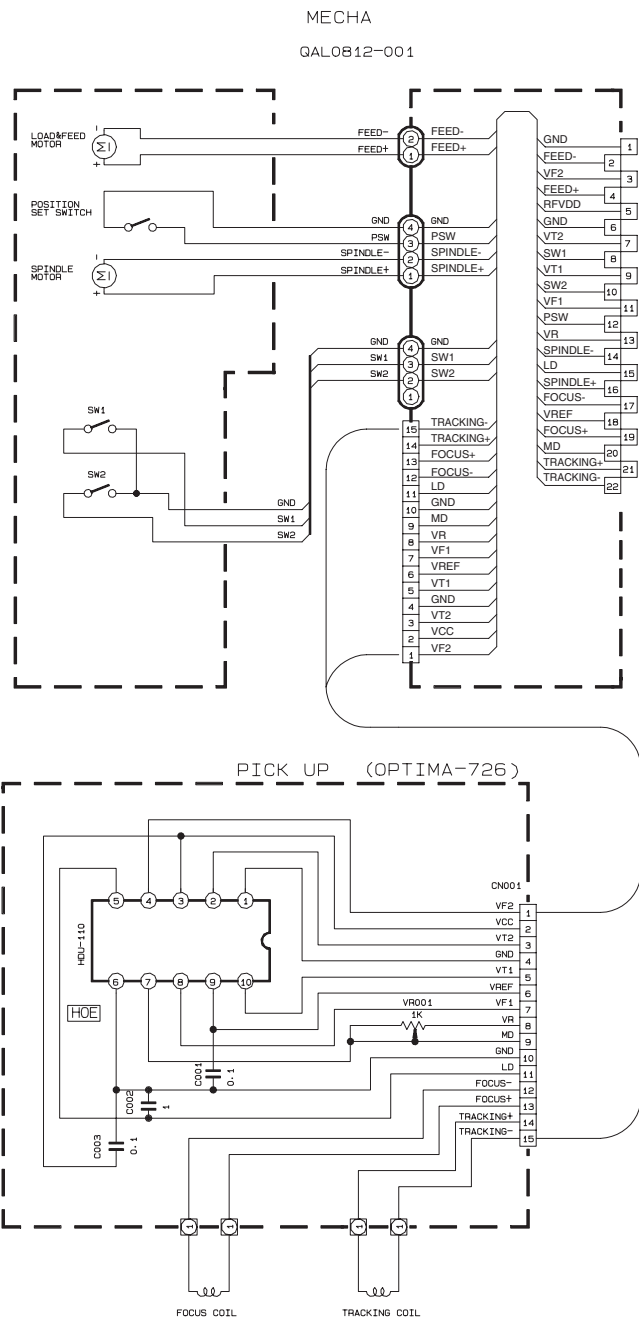
 **Parts are safety assurance parts.**
When replacing those parts make
sure to use the specified one.



- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION—FM MODE. () AM MODE. () CD MODE.
 2. UNLESS OTHERWISE SPECIFIED.
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ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μ F(P=F)
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F)/RATED VOLTAGE(V)
TF --- T. F. CAPACITOR
 3. COMPONENTS IN () INDICATE NOT USE.

parts.
s make
ne.

■ CD servo control section (for KD-G427)

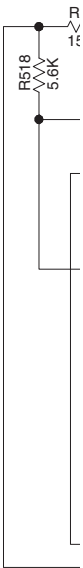


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ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE

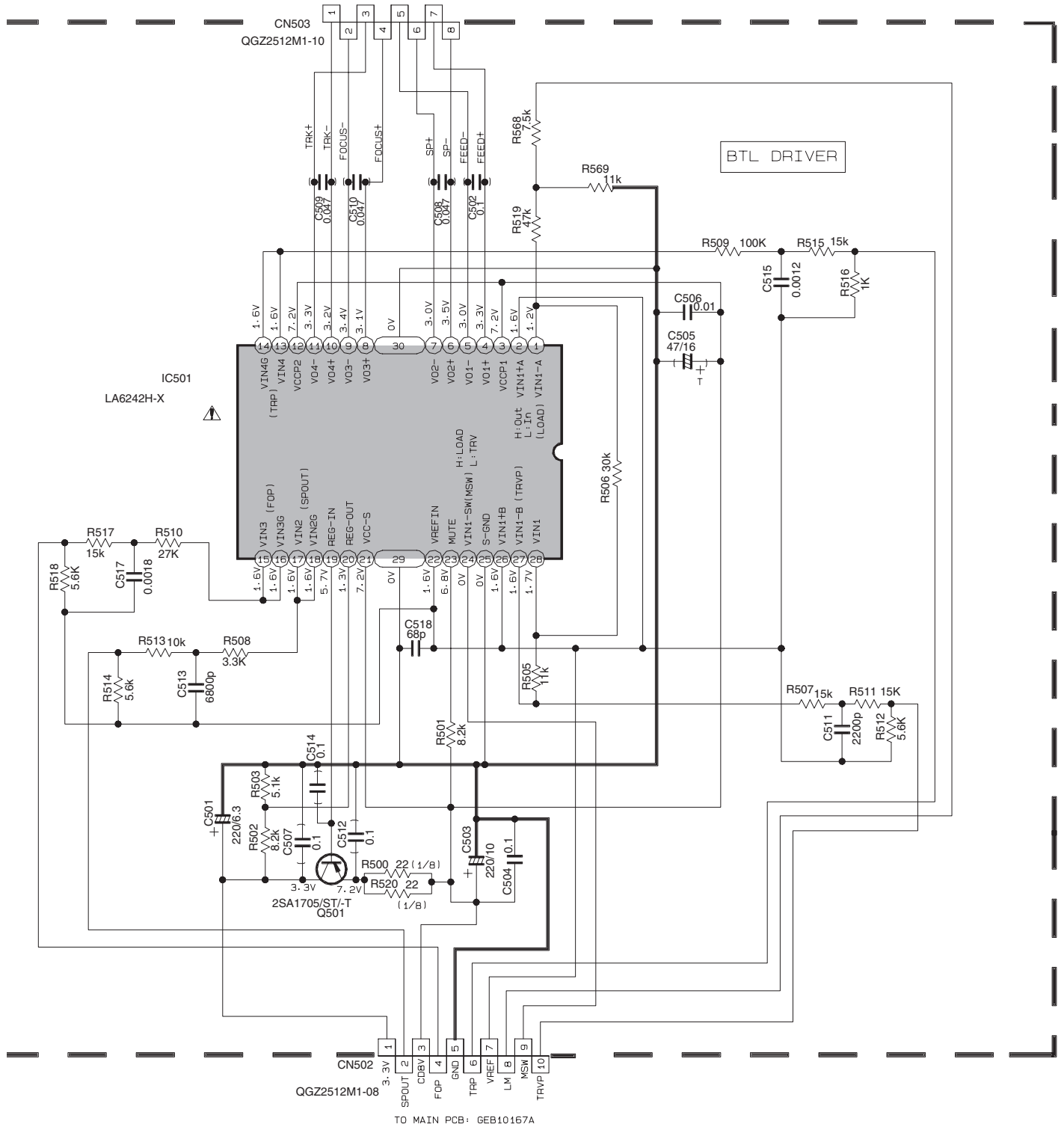
■ Function section (for KD-G427)

FUNCTION PWB:GEB10180A



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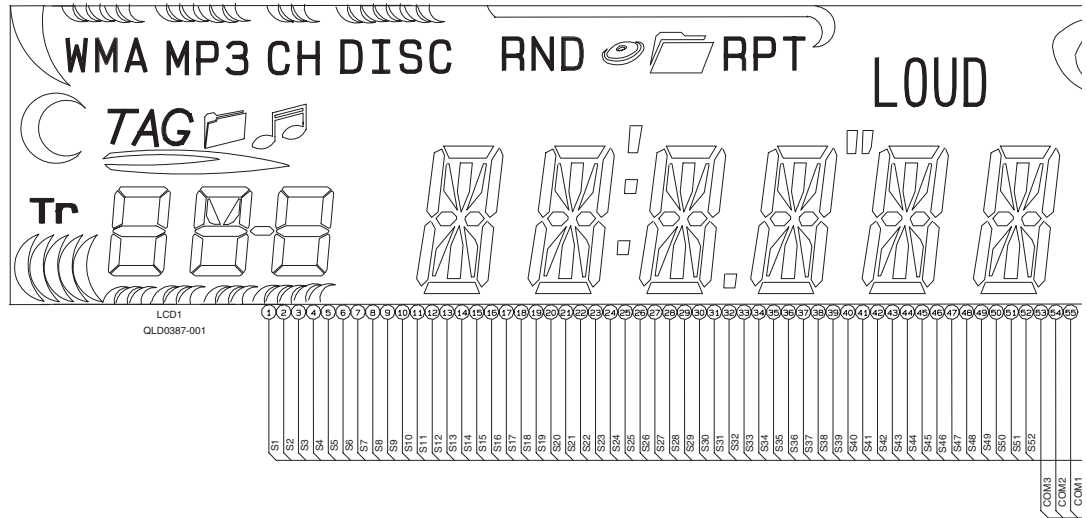
TO MAIN PCB: GEB10167A



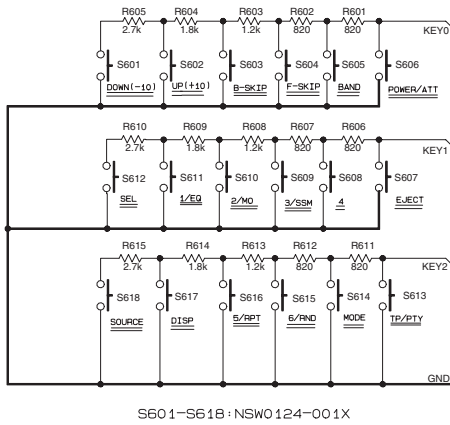
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sure to use the specified one.

■ LCD & Key control section (for KD-G427)

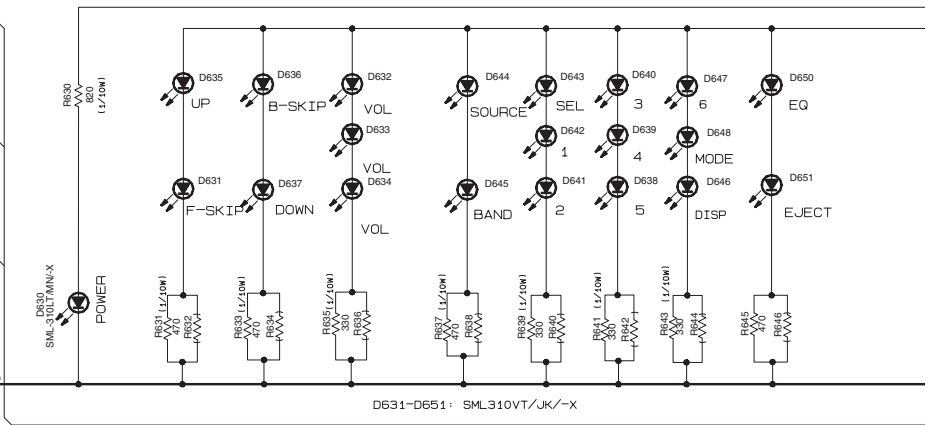
LCD DISPLAY



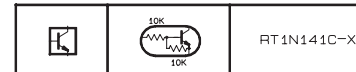
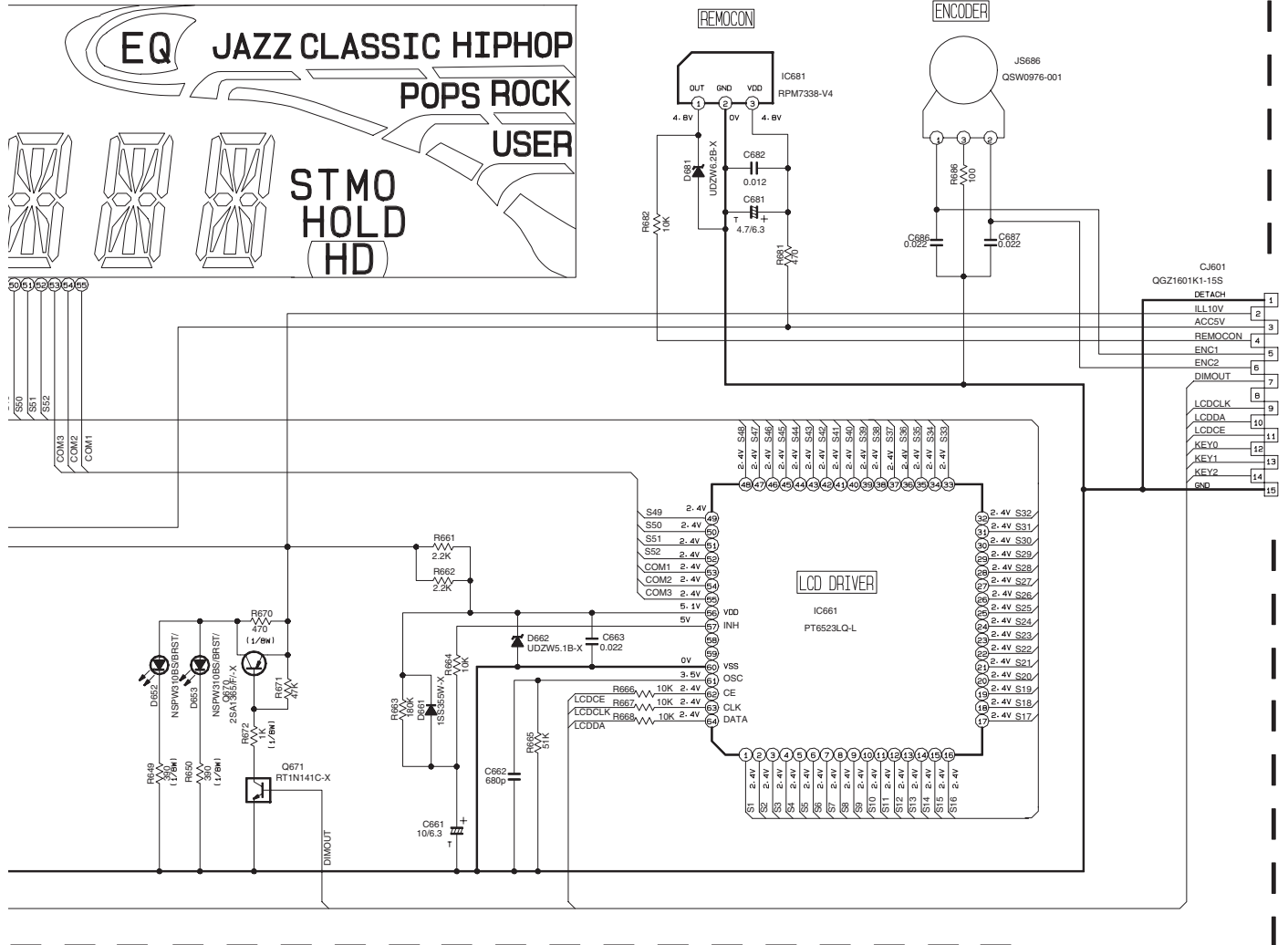
KEY MATRIX



LIGHTING DISPLAY



SW PWB : GEB10175A



NOTES

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ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTAL CAPACITOR.
3. COMPONENTS IN () INDICATE NOT USE.



Victor Company of Japan, Limited

Mobile Entertainment Business Group Mobile Entertainment Category 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MA245SCH)



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