

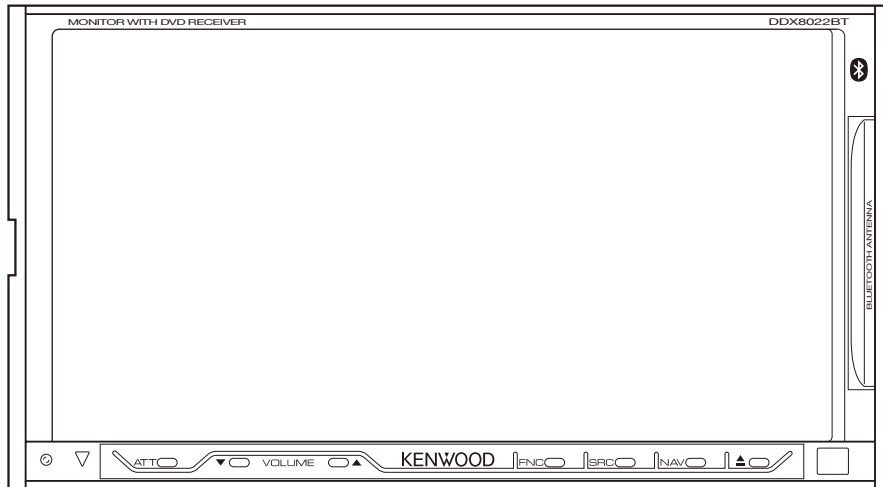
# DDX8022BT/8022BTY DDX8032BT/8032BTM/812 DNX8120/8220BT SERVICE MANUAL

# KENWOOD

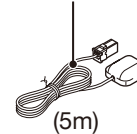
Kenwood Corporation

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B53-0633-00 (N) 429

Illustrations is DDX8022BT



ANT module(GPS-ANT)\*  
(W02-5305-05)



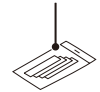
Mounting hardware\*  
(J21-9867-04)



Screw set\*  
(N99-1779-15)



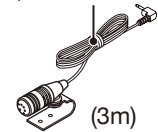
Adhesive double-coated tape\*  
(H30-0595-04)



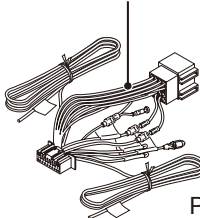
Clamper\*  
(J11-0660-05)



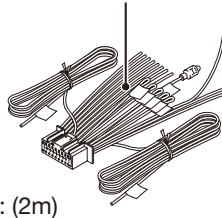
Microphone  
(W01-1718-05)



DC cord\*  
(E30-6825-05)

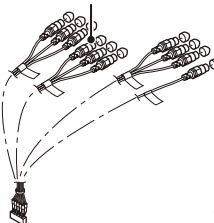


DC cord\*  
(E30-6824-05)

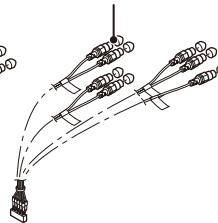


PRK: (2m)  
REV: (5m)

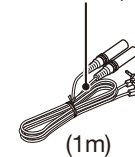
Cord with pinplug(AV)  
(E30-6791-05)



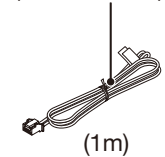
Cord with pinplug(PRE)  
(E30-6793-05)



Cord with plug(ipod)\*  
(E30-6785-05)



Cord with plug(relay)  
(E30-6786-05)



Remote controller assy  
(A70-2082-15)

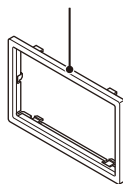


RC-DV330

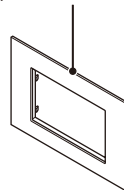
Size AAA battery  
Not supplied



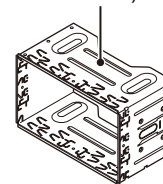
Escutcheon  
(B07-3224-01)



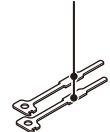
Escutcheon\*  
(B07-3172-12)



Mounting hardware assy  
(J22-0657-03)



Lever  
(D10-4589-04) x2



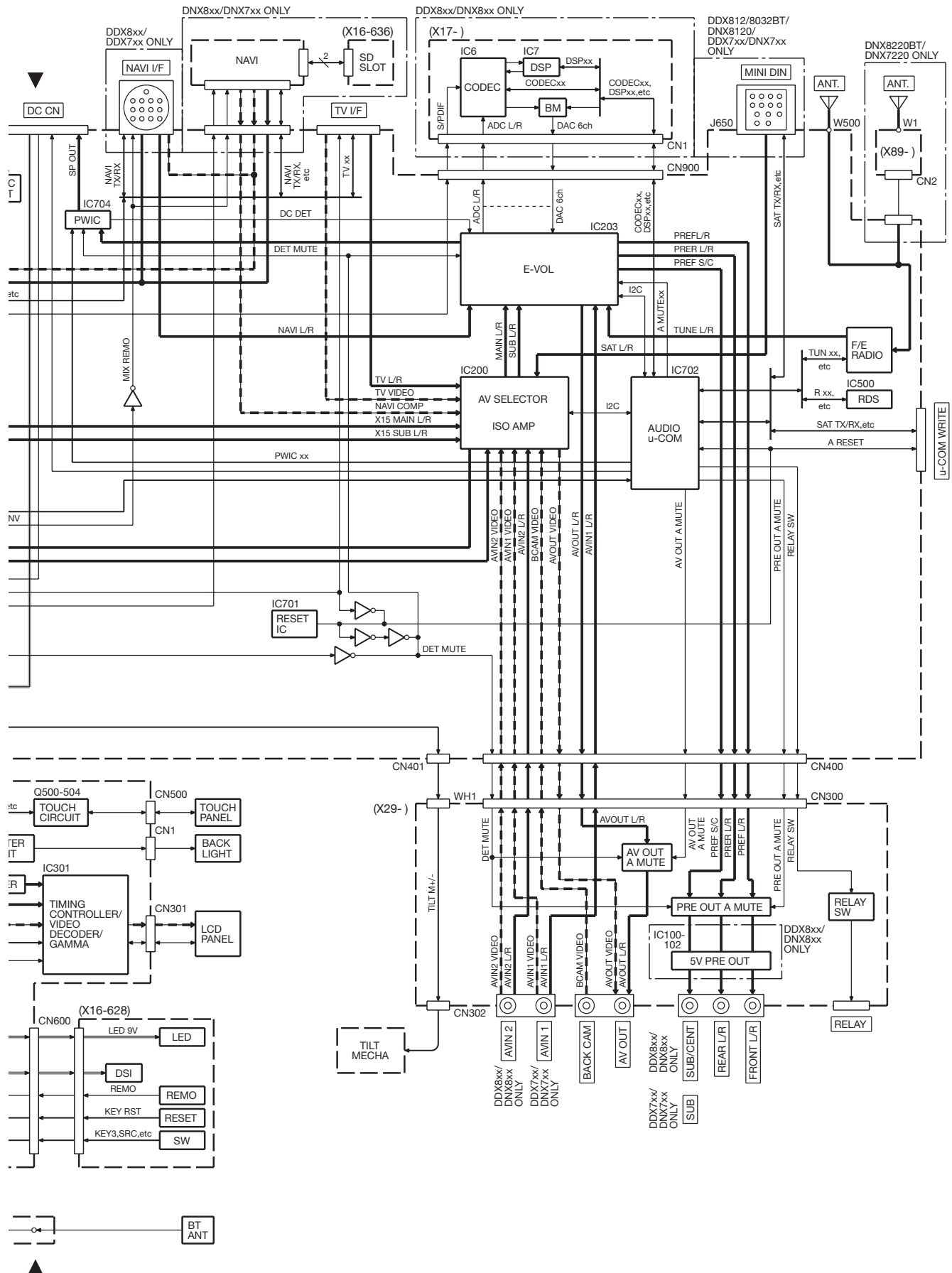
- The IC106 in the Digital I/O unit (X88-2030-10) are not replaceable components. When this IC are defective, replace the whole Digital I/O unit (X88-2030-10).
- The IC5,9,21 and IC60 in the DVD unit (X37-1120-06) are not replaceable components. When these ICs are defective, replace the whole DVD mechanism assembly (X92-6180-01). You cannot replace only the board.
- **Components Description, Microcomputer's Terminal Description, Test Mode and Adjustment are the same as DDX7032's.**  
**Please refer to the service manual (DDX7032's: B53-0634-00).**

\* Depends on the models. Refer to the parts list.



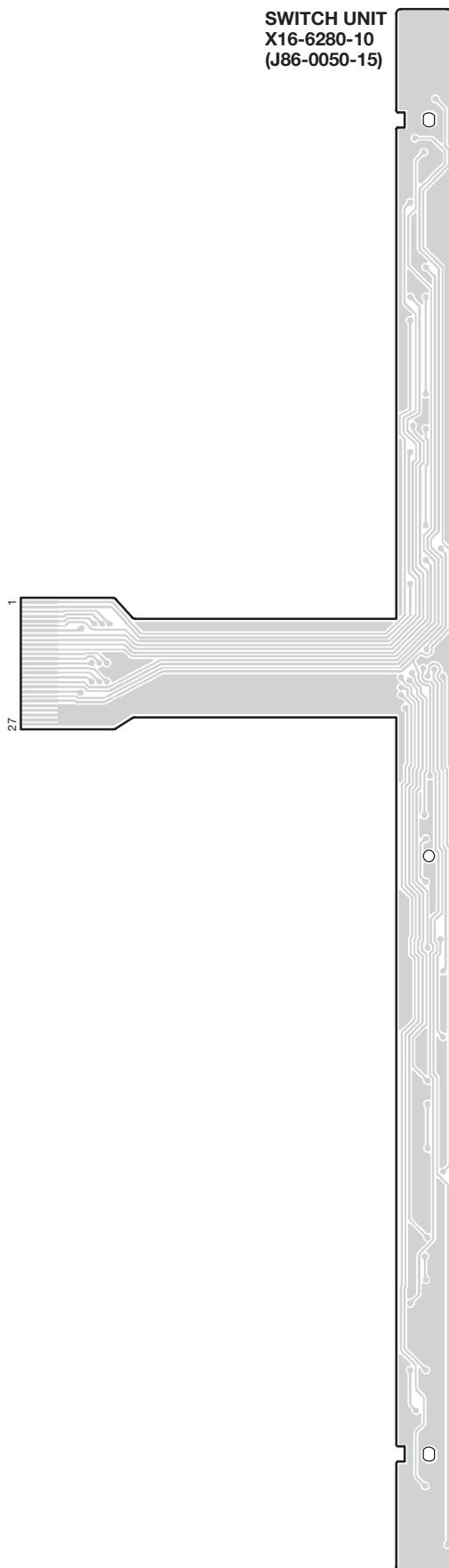


# BLOCK DIAGRAM



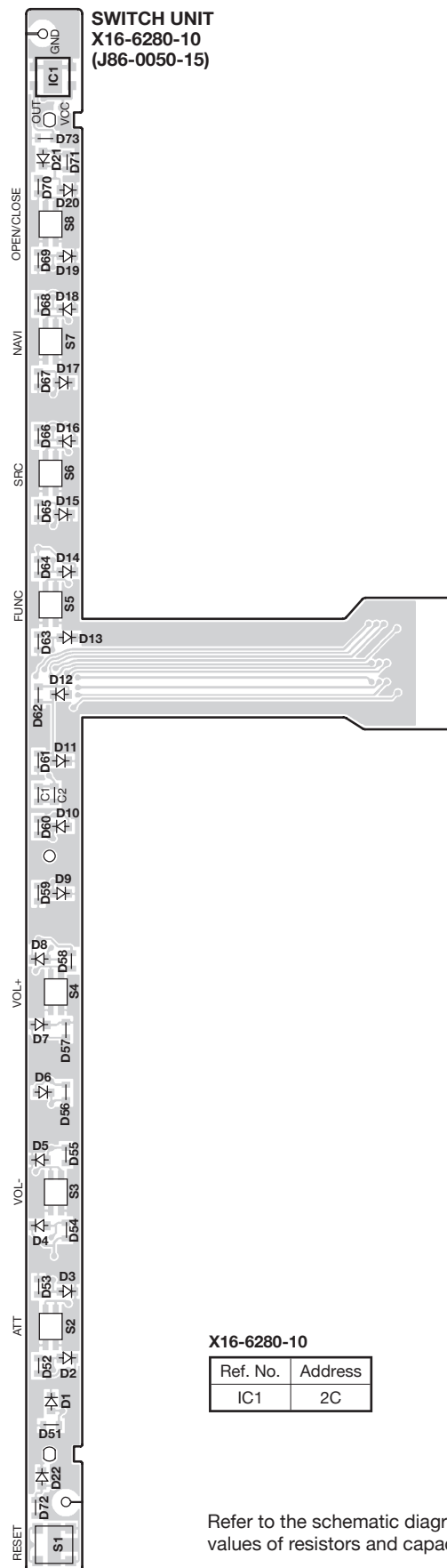


# PC BOARD (COMPONENT SIDE VIEW)



SWITCH UNIT  
X16-6280-10  
(J86-0050-15)

# PC BOARD (FOIL SIDE VIEW)



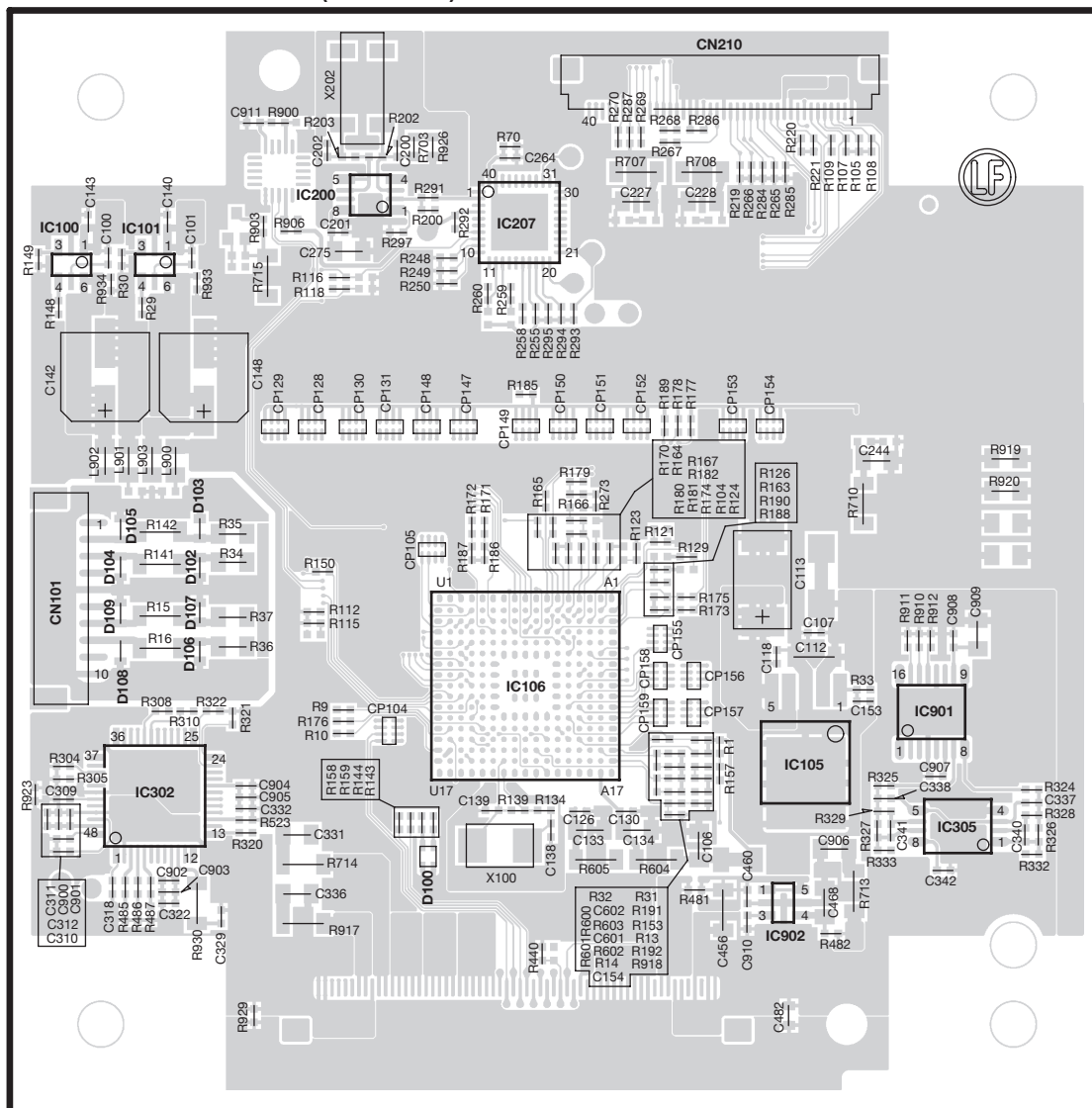
## X16-6280-10

Ref. No.	Address
IC1	2C

Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (COMPONENT SIDE VIEW)

DIGITAL I/O UNIT X88-2030-10 (J76-0512-12)



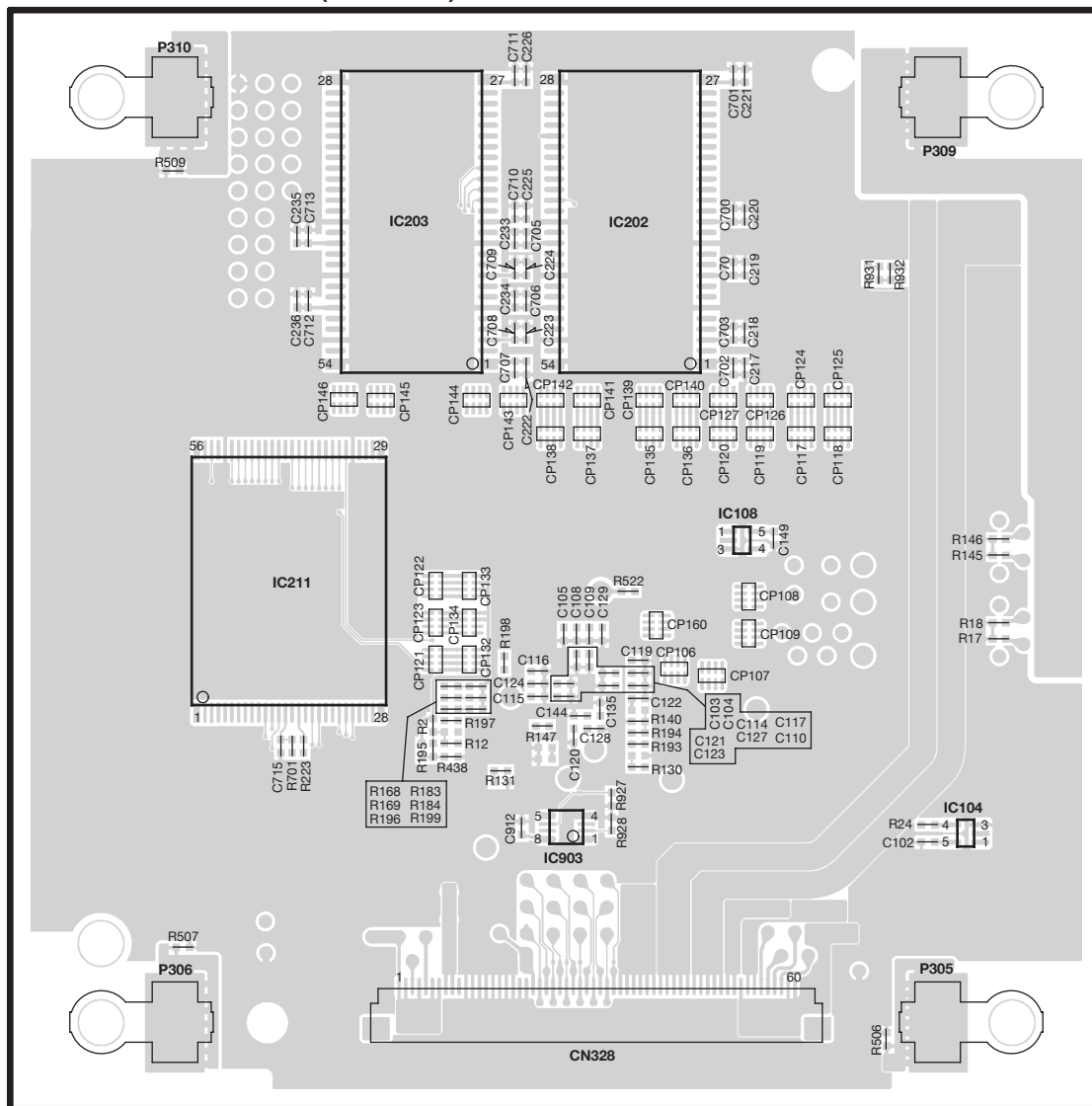
X88-2030-10

Ref. No.	Address
IC100	2G
IC101	2G
IC105	4I
IC106	4H
IC200	2G
IC207	2H
IC302	4G
IC305	4J
IC901	4I
IC902	4I

Refer to the schematic diagram for the values of resistors and capacitors.

## PC BOARD (FOIL SIDE VIEW)

DIGITAL I/O UNIT X88-2030-10 (J76-0512-12)



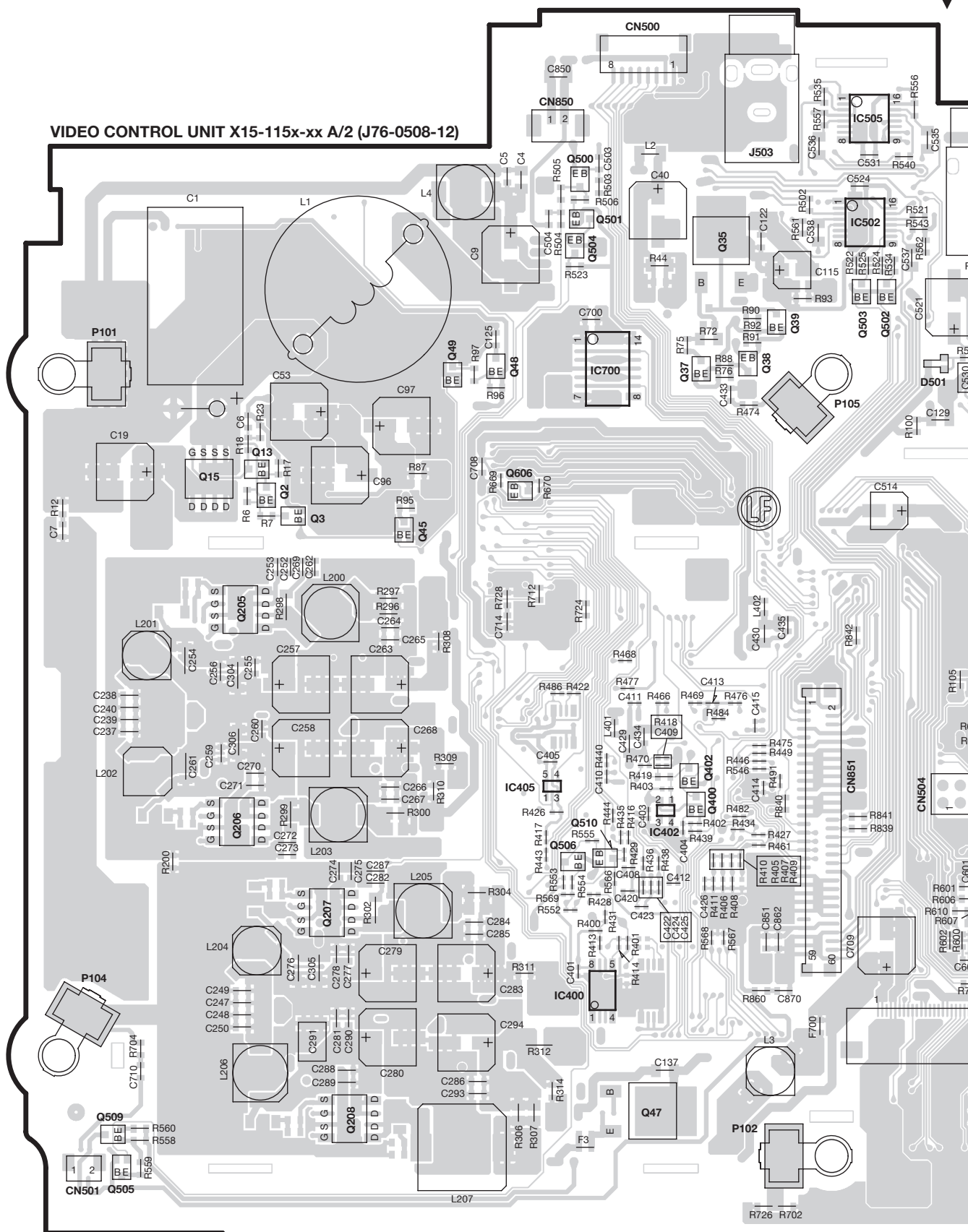
X88-2030-10

Ref. No.	Address
IC104	4N
IC108	3M
IC202	2M
IC203	2L
IC211	3L
IC903	4M

Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (COMPONENT SIDE VIEW)

VIDEO CONTROL UNIT X15-115x-xx A/2 (J76-0508-12)





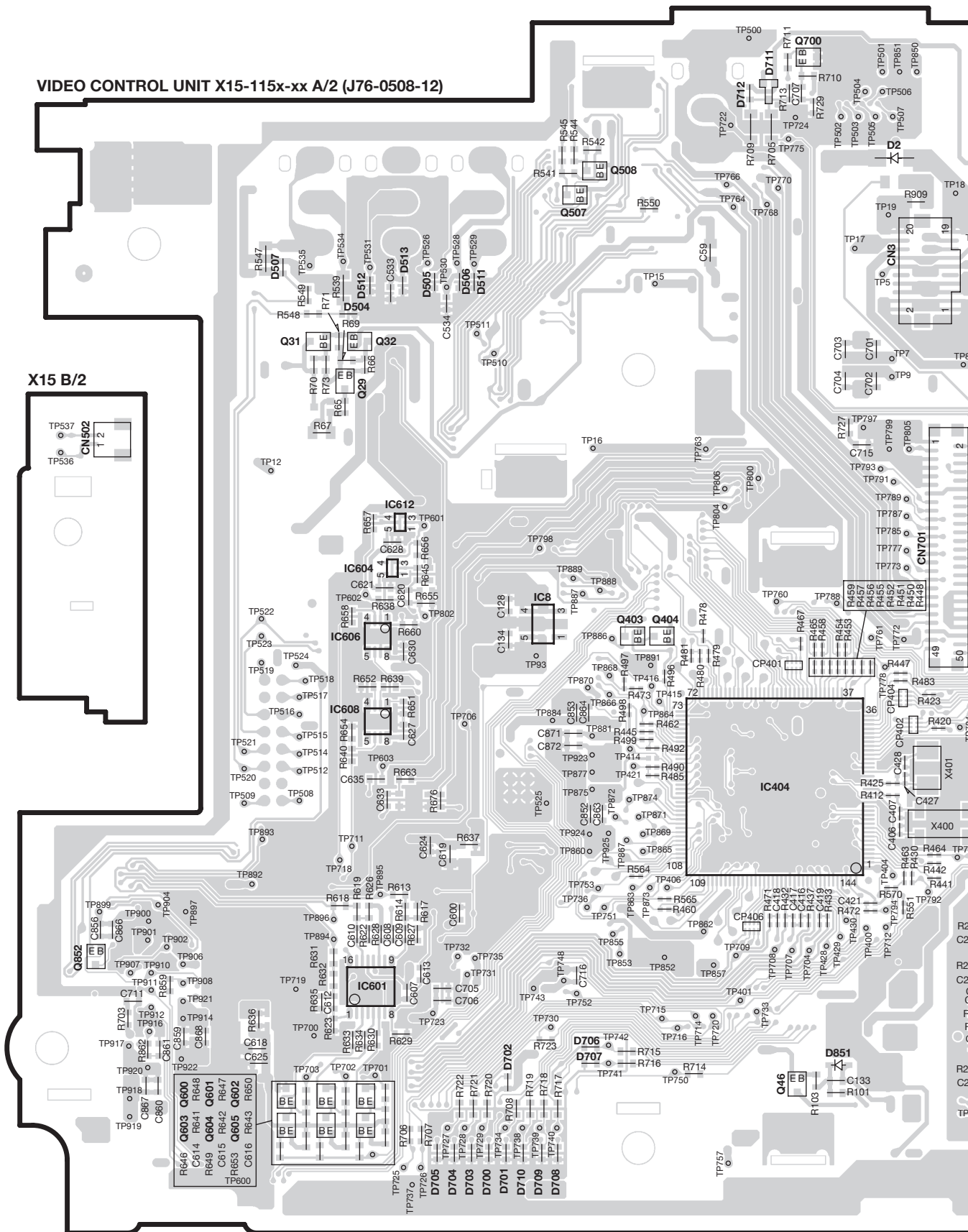


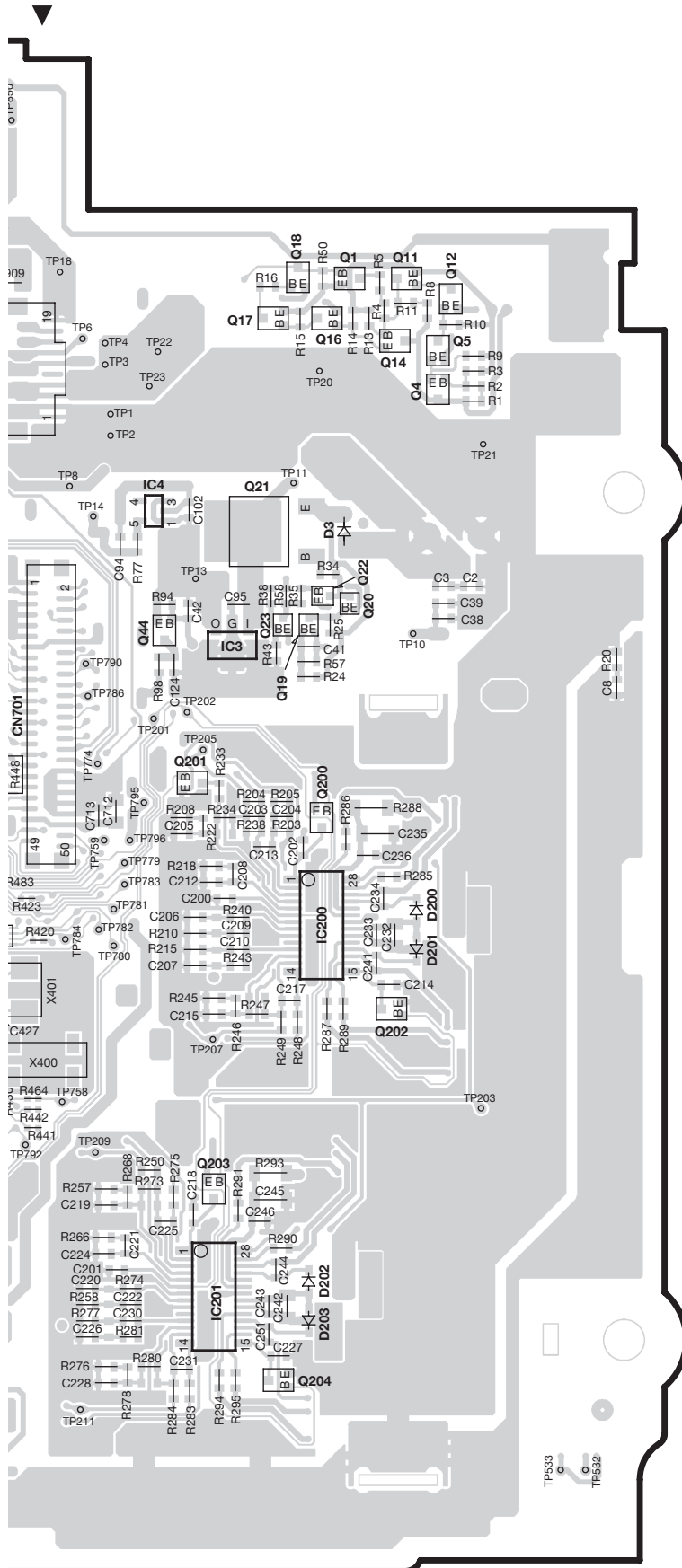
DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT

# PC BOARD (FOIL SIDE VIEW)

VIDEO CONTROL UNIT X15-115x-xx A/2 (J76-0508-12)

X15 B/2





X15-115x-xx

Ref. No.	Address
IC3	4AE
IC4	3AE
IC8	4AB
IC200	5AF
IC201	6AE
IC404	5AD
IC601	6AB
IC604	4AE
IC606	4AB
IC608	5AB
IC612	4AB
Q1	2AF
Q4	3AF
Q5	2AF
Q11	2AF
Q12	2AF
Q14	2AF
Q16	2AF
Q17	2AE
Q18	2AF
Q19	4AF
Q20	3AF
Q21	3AE
Q22	3AF
Q23	3AE
Q29	3AB
Q31	3AA
Q32	3AB
Q44	3AE
Q46	6AD
Q200	4AF
Q201	4AE
Q202	5AF
Q203	5AE
Q204	6AF
Q403	4AC
Q404	4AC
Q507	2AC
Q508	2AC
Q600	6AA
Q601	6AA
Q602	6AA
Q603	6AA
Q604	6AA
Q605	6AA
Q700	1AD
Q852	6Z

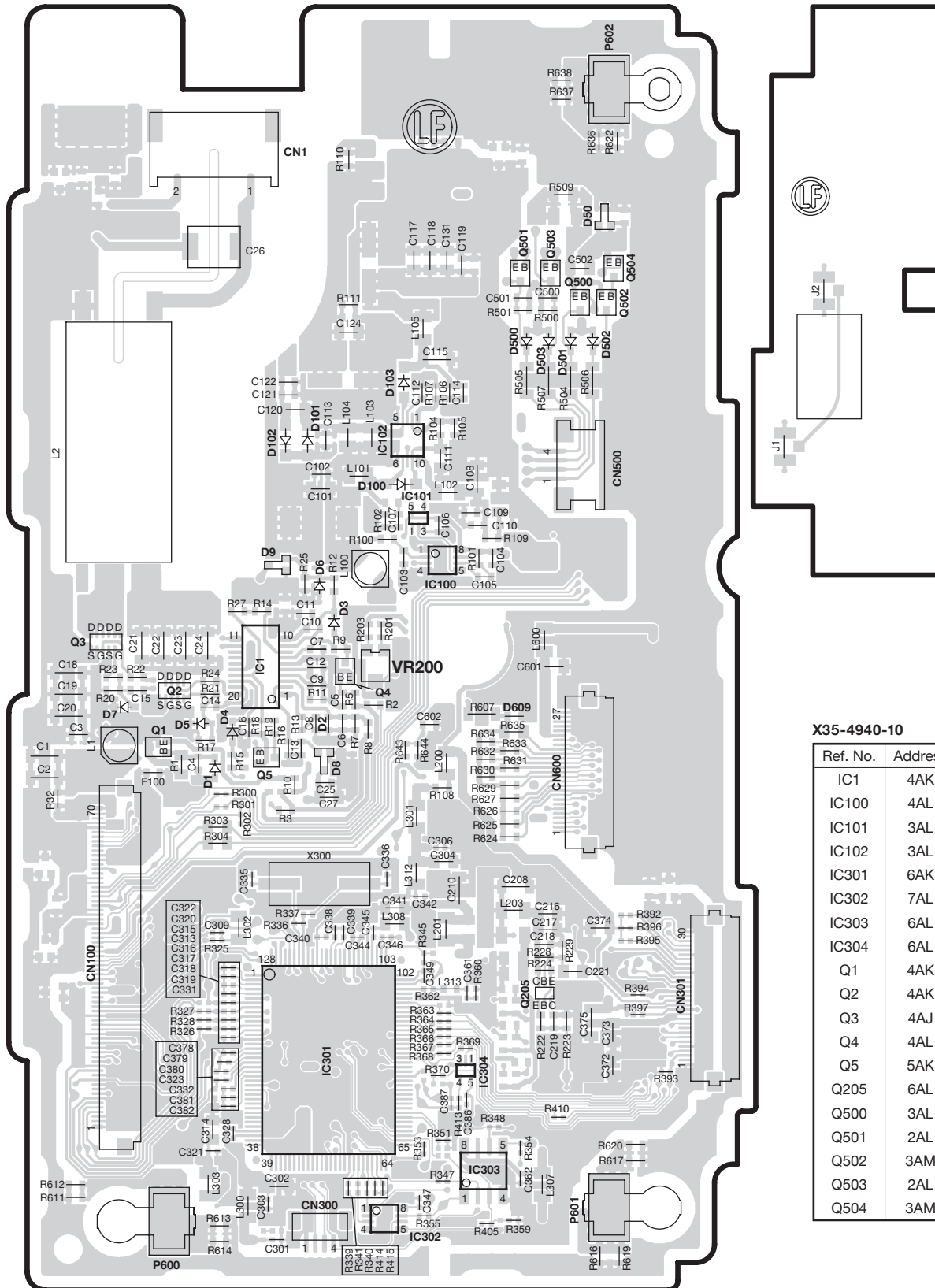
Refer to the schematic diagram for the values of resistors and capacitors.

DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT

# PC BOARD (COMPONENT SIDE VIEW)

VIDEO UNIT X35-4940-10 A/2 (J76-0511-12)

X35 B/2

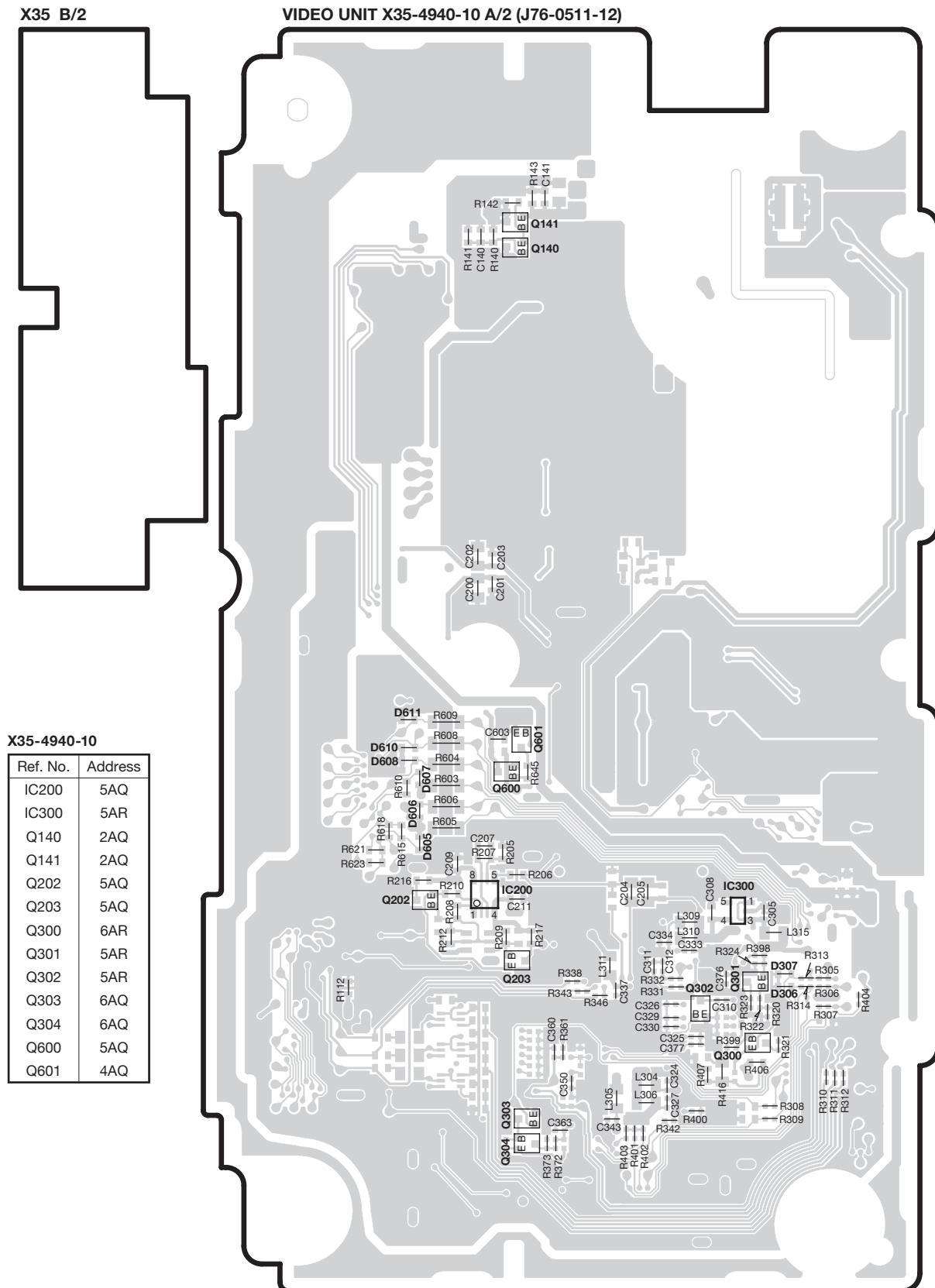


X35-4940-10

Ref. No.	Address
IC1	4AK
IC100	4AL
IC101	3AL
IC102	3AL
IC301	6AK
IC302	7AL
IC303	6AL
IC304	6AL
Q1	4AK
Q2	4AK
Q3	4AJ
Q4	4AL
Q5	5AK
Q205	6AL
Q500	3AL
Q501	2AL
Q502	3AM
Q503	2AL
Q504	3AM

Refer to the schematic diagram for the values of resistors and capacitors.

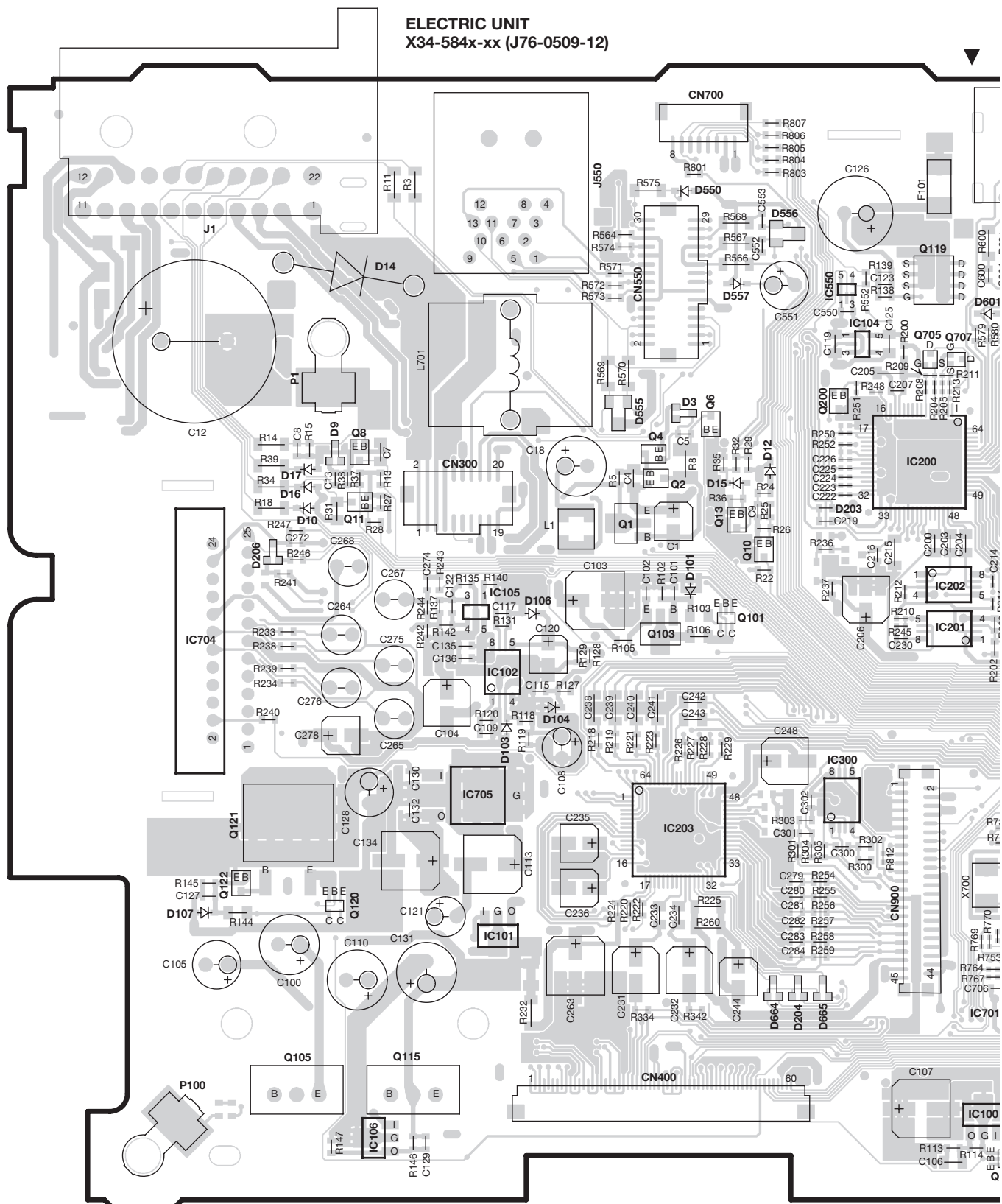
## PC BOARD (FOIL SIDE VIEW)



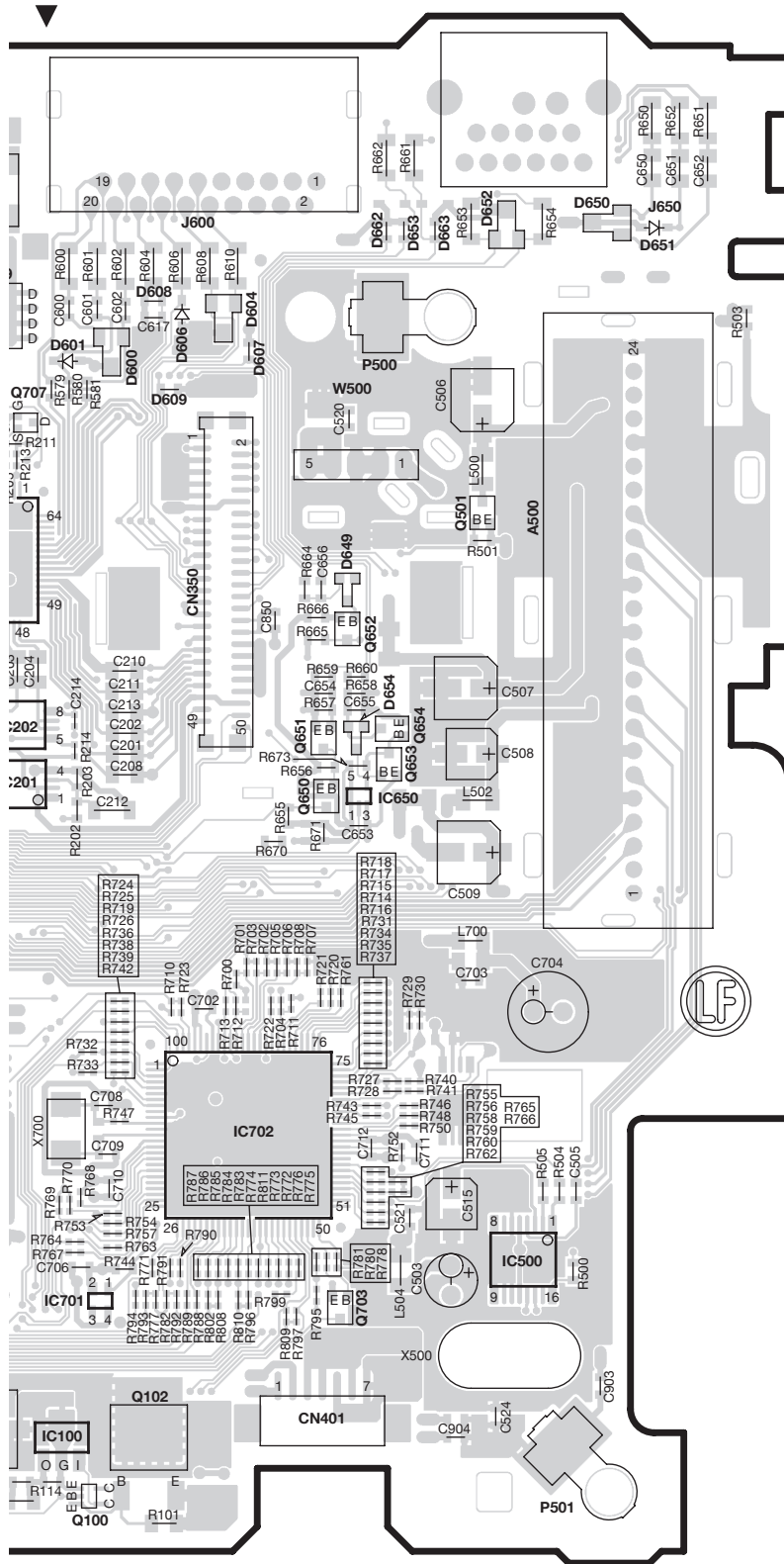
Ref. No.	Address
IC200	5AQ
IC300	5AR
Q140	2AQ
Q141	2AQ
Q202	5AQ
Q203	5AQ
Q300	6AR
Q301	5AR
Q302	5AR
Q303	6AQ
Q304	6AQ
Q600	5AQ
Q601	4AQ

Refer to the schematic diagram for the values of resistors and capacitors.

### PC BOARD (COMPONENT SIDE VIEW)



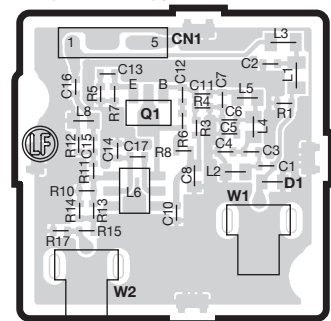




X34-584x-xx

Ref. No.	Address	Ref. No.	Address
IC100	6AY	Q10	4AW
IC101	5AV	Q11	4AV
IC102	4AV	Q13	4AW
IC104	3AX	Q100	7AY
IC105	4AV	Q101	4AW
IC106	6AV	Q102	6AY
IC200	3AX	Q103	4AW
IC201	4AX	Q105	6AU
IC202	4AX	Q115	6AV
IC203	5AW	Q119	2AX
IC300	5AX	Q120	5AV
IC500	6AZ	Q121	5AU
IC550	3AX	Q122	5AU
IC650	4AZ	Q200	3AX
IC701	6AY	Q501	3AZ
IC702	5AY	Q650	4AZ
IC704	4AU	Q651	4AZ
IC705	5AV	Q652	4AZ
Q1	4AW	Q653	4AZ
Q2	3AW	Q654	4AZ
Q4	3AW	Q703	6AZ
Q6	3AW	Q705	3AX
Q8	3AV	Q707	3AX

**DAUGHTER UNIT**  
**X89-3062-71 (J76-0526-12)**  
**only DNX E type**



**X89-3062-71**

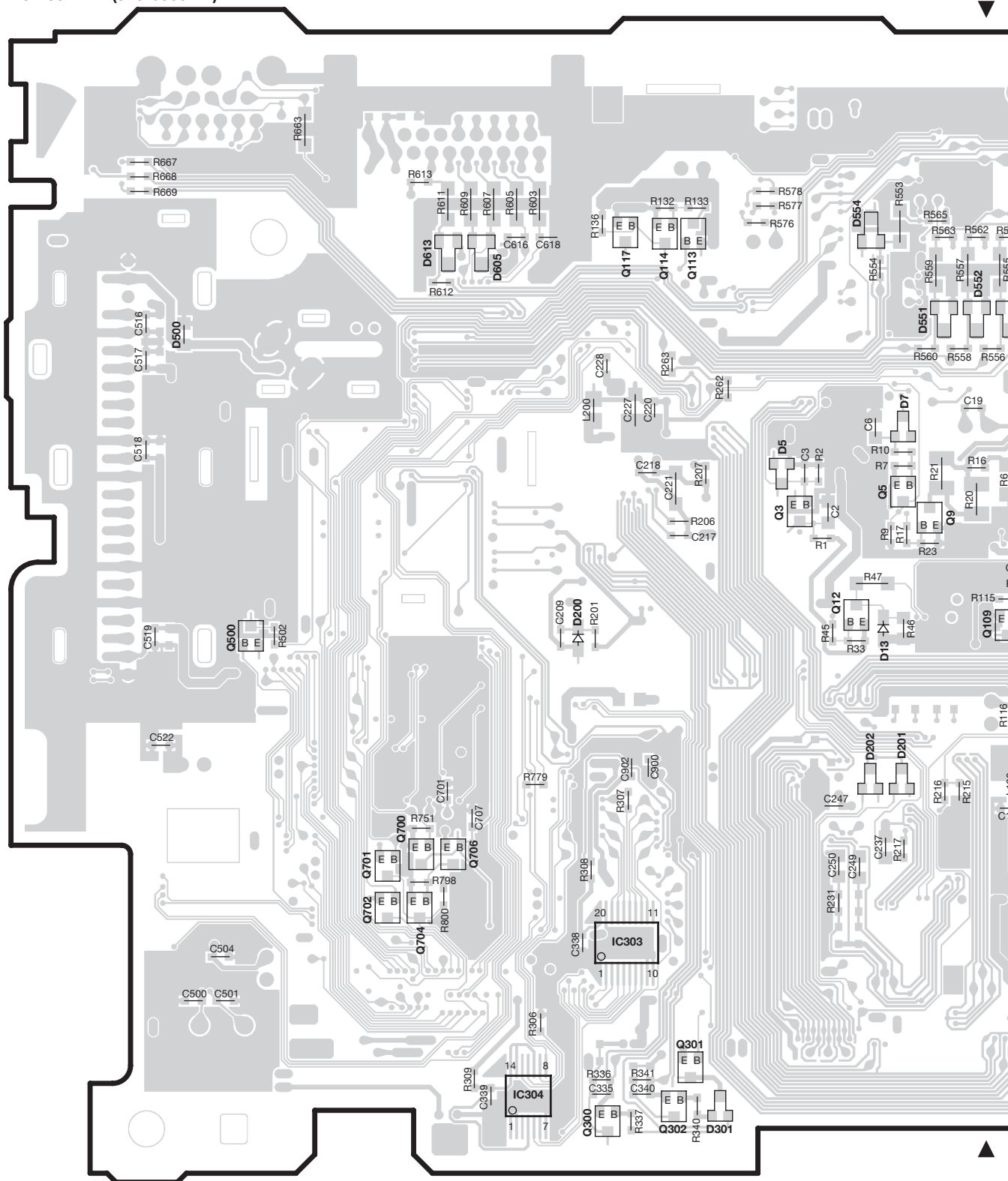
Ref. No.	Address
Q1	6BB

Refer to the schematic diagram for the values of resistors and capacitors.

### PC BOARD (FOIL SIDE VIEW)

## ELECTRIC UNIT

X34-584x-xx (J76-0509-12)







### PC BOARD (COMPONENT SIDE VIEW)

**X29-4490-10**

Ref. No.	Address
IC100	3BO
IC101	3BO
IC102	4BO
Q4	4BO
Q6	4BO
Q106	4BP
Q109	2BR
Q200	2BO
Q202	2BP
Q203	2BO
Q204	2BO
Q205	2BO
Q206	2BO
Q208	2BP
Q209	2BO
Q210	2BO
Q211	2BO

Ref. No.	Address
IC100	3BO
IC101	3BO
IC102	4BO
Q4	4BO
Q6	4BO
Q106	4BP
Q109	2BR
Q200	2BO
Q202	2BP
Q203	2BO
Q204	2BO
Q205	2BO
Q206	2BO
Q208	2BP
Q209	2BO
Q210	2BO
Q211	2BO

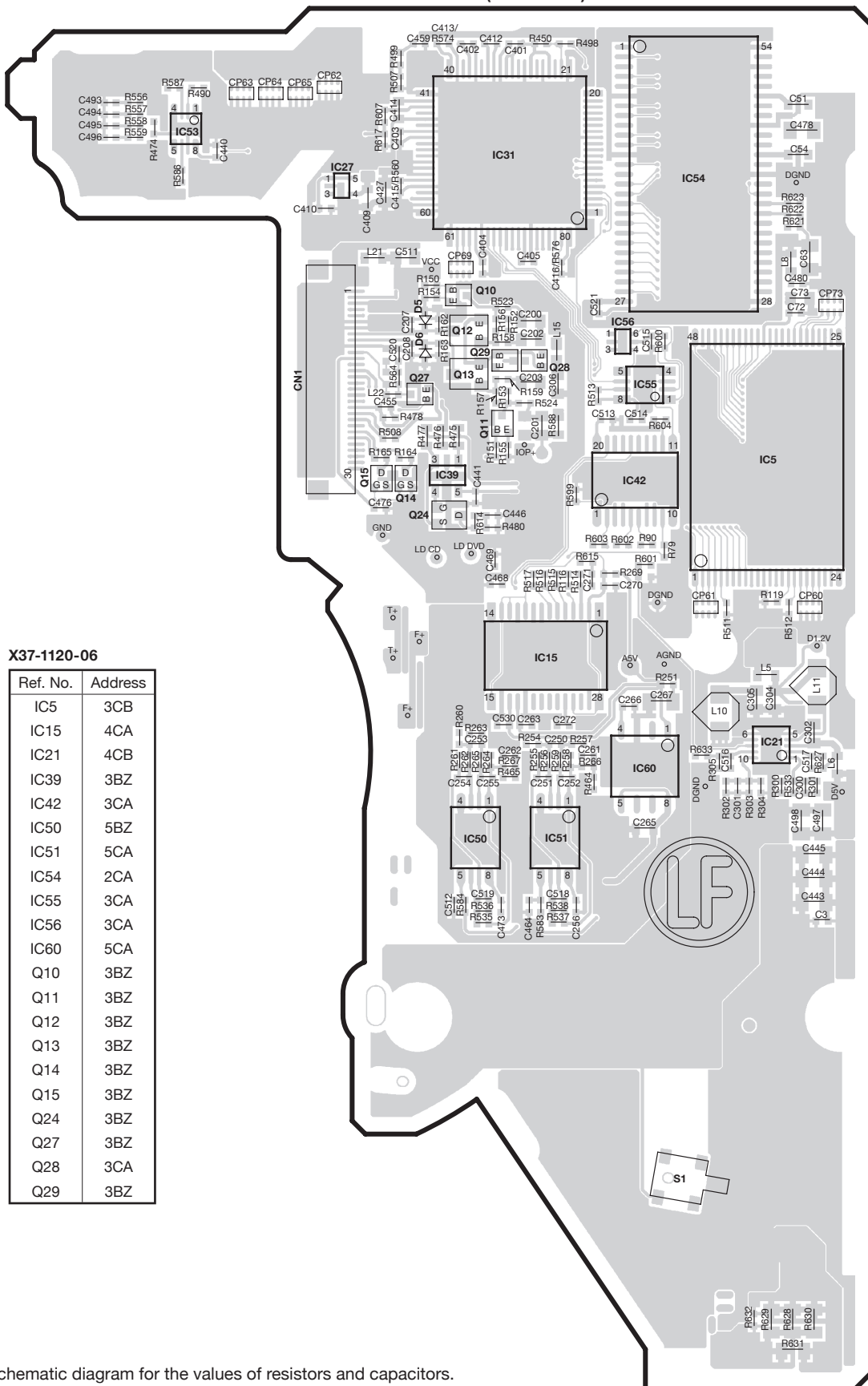
18



DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT

# PC BOARD (COMPONENT SIDE VIEW)

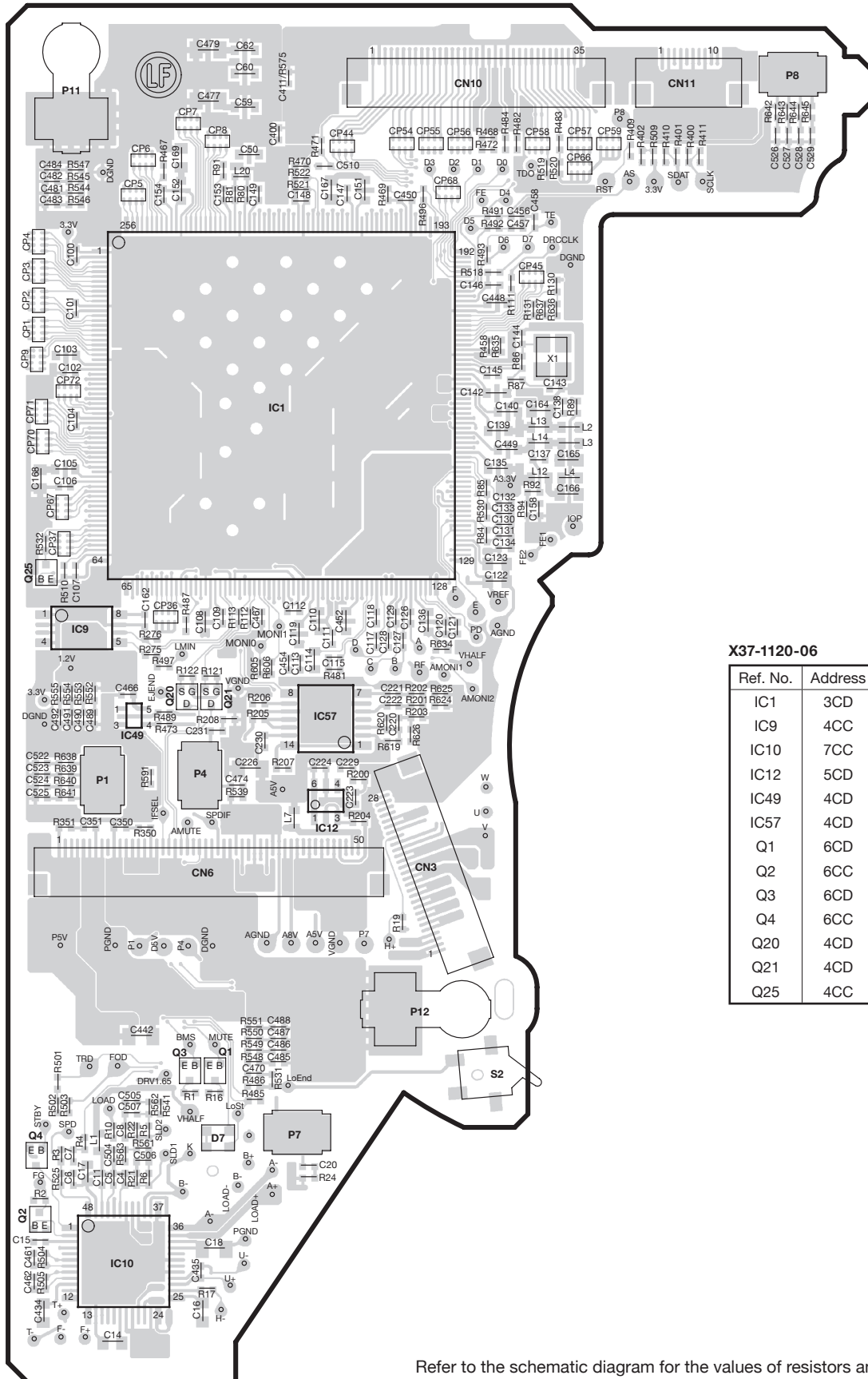
DVD UNIT X37-1120-06 (J76-0162-22)



Refer to the schematic diagram for the values of resistors and capacitors.

## PC BOARD (FOIL SIDE VIEW)

DVD UNIT X37-1120-06 (J76-0162-22)



X37-1120-06

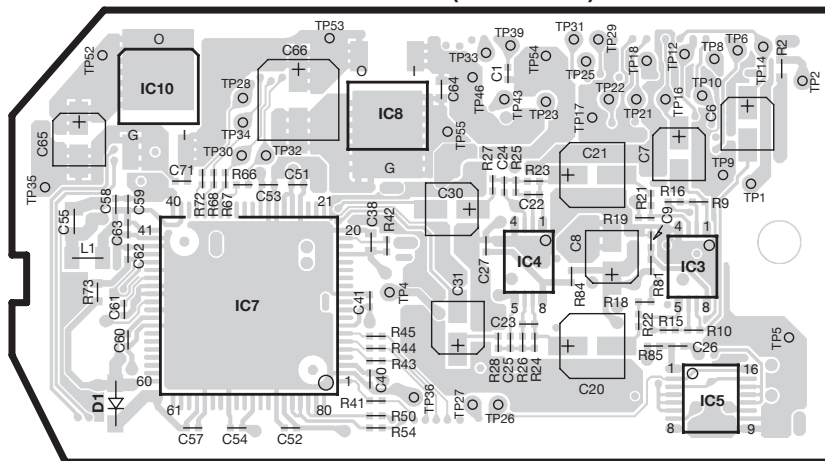
Ref. No.	Address
IC1	3CD
IC9	4CC
IC10	7CC
IC12	5CD
IC49	4CD
IC57	4CD
Q1	6CD
Q2	6CC
Q3	6CD
Q4	6CC
Q20	4CD
Q21	4CD
Q25	4CC

Refer to the schematic diagram for the values of resistors and capacitors.

DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT

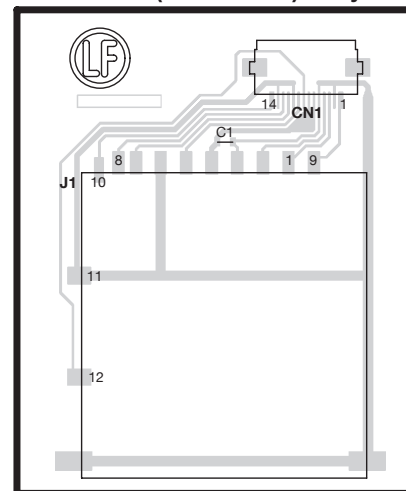
## PC BOARD (COMPONENT SIDE VIEW)

PROCESSOR UNIT X17-2030-10 (J76-0518-12)



SUB-CIRCUIT UNIT

X16-6360-10 (J76-0515-12) only DNX

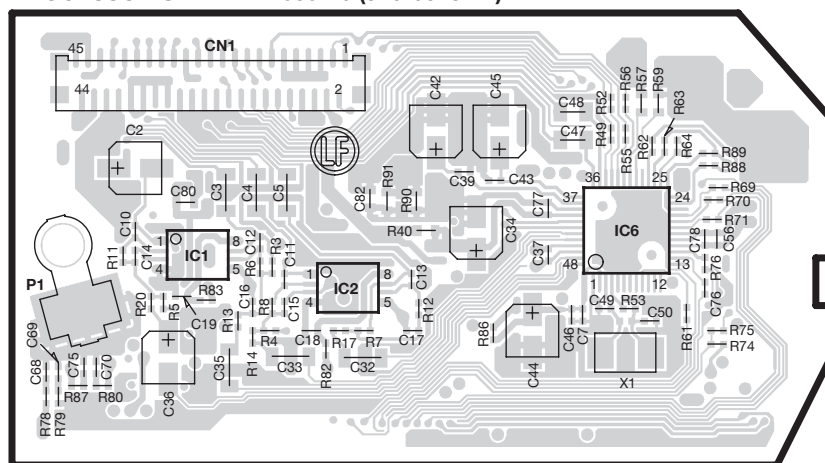


X17-2030-10

Ref. No.	Address
IC3	2CJ
IC4	2CJ
IC5	3CJ
IC7	2CI
IC8	2CI
IC10	2CH

## PC BOARD (FOIL SIDE VIEW)

PROCESSOR UNIT X17-2030-10 (J76-0518-12)

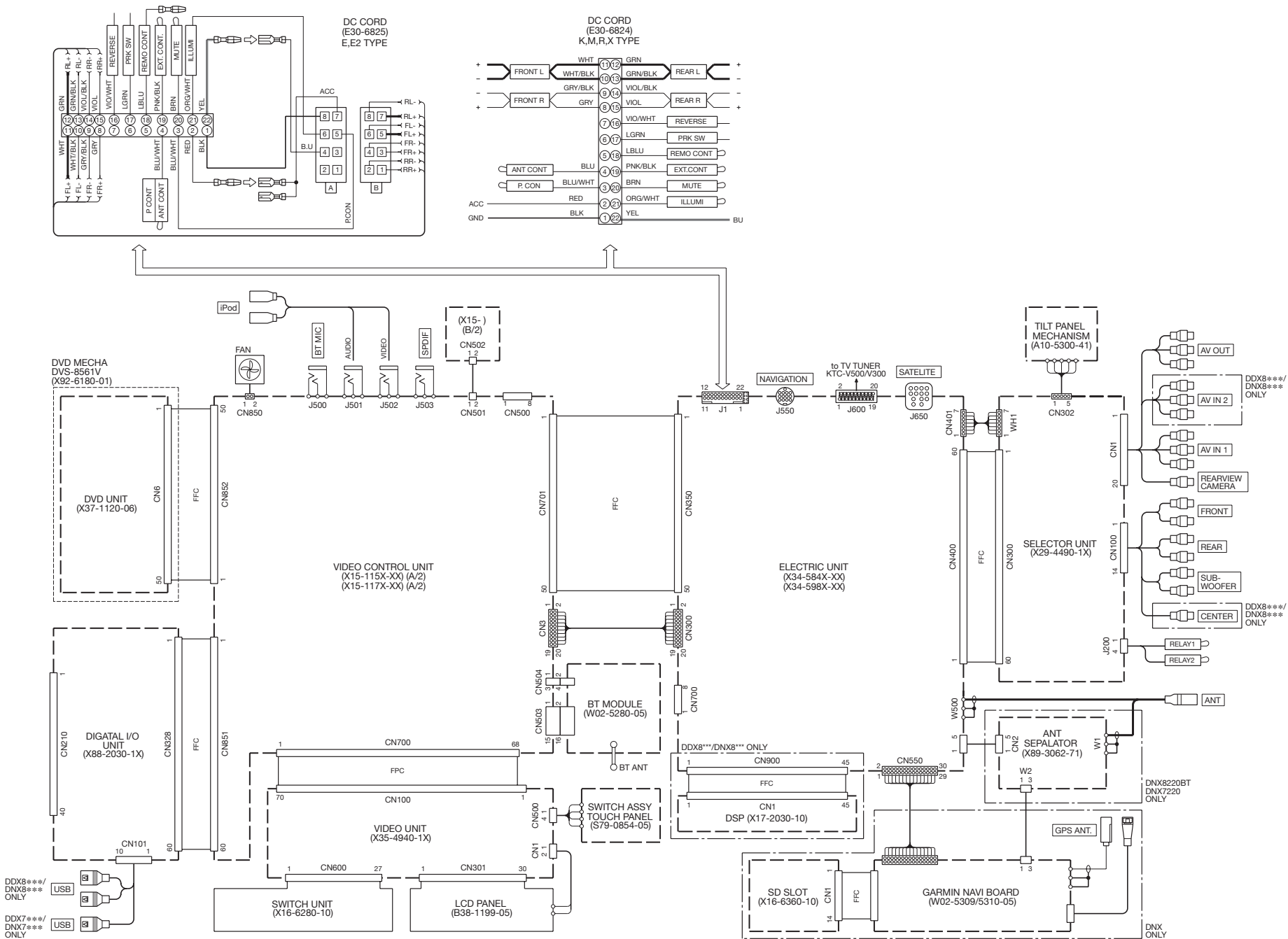


X17-2030-10

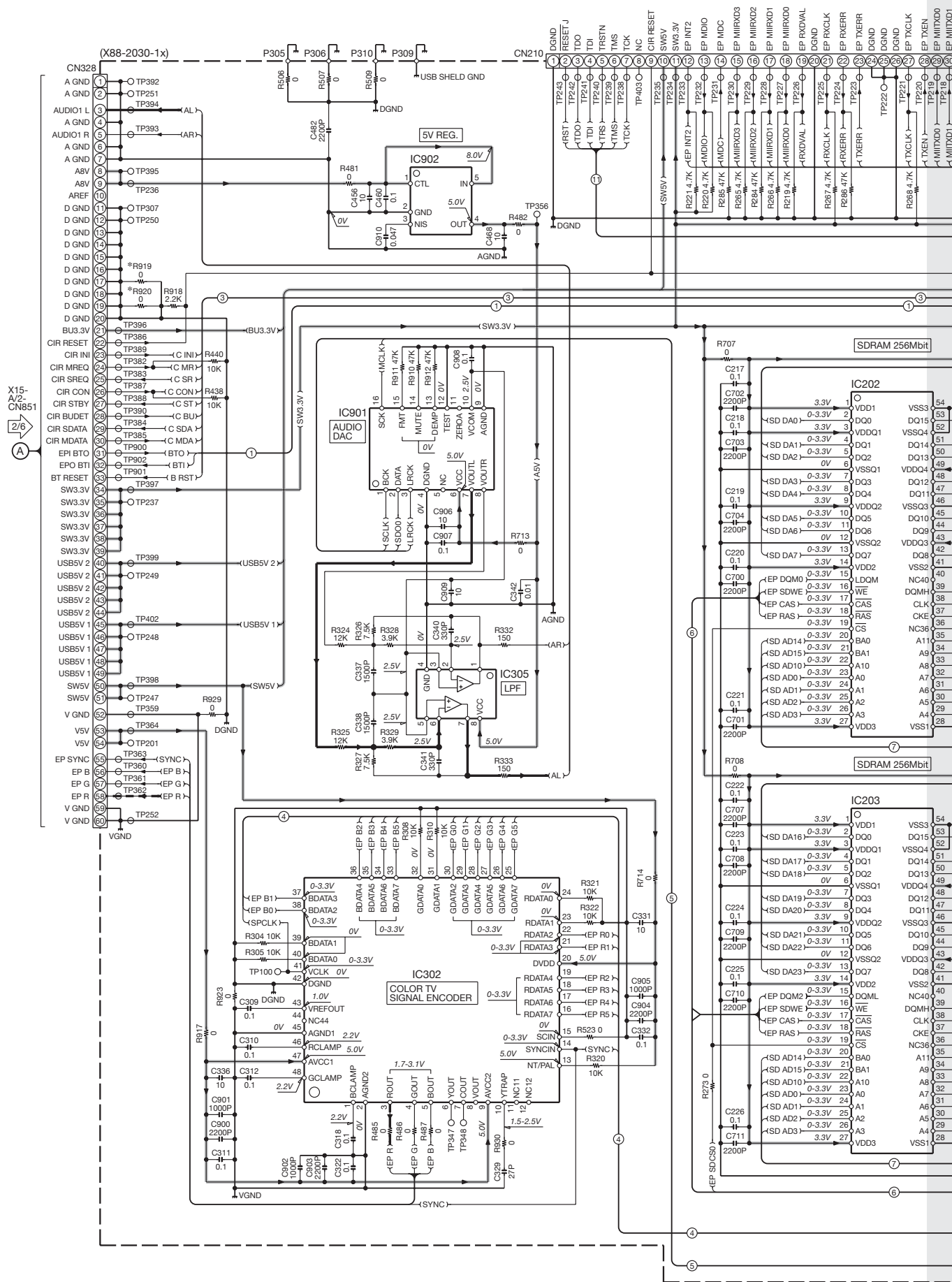
Ref. No.	Address
IC1	5CI
IC2	6CI
IC6	5CJ

Refer to the schematic diagram for the values of resistors and capacitors.

# INTERCONNECTION DIAGRAM

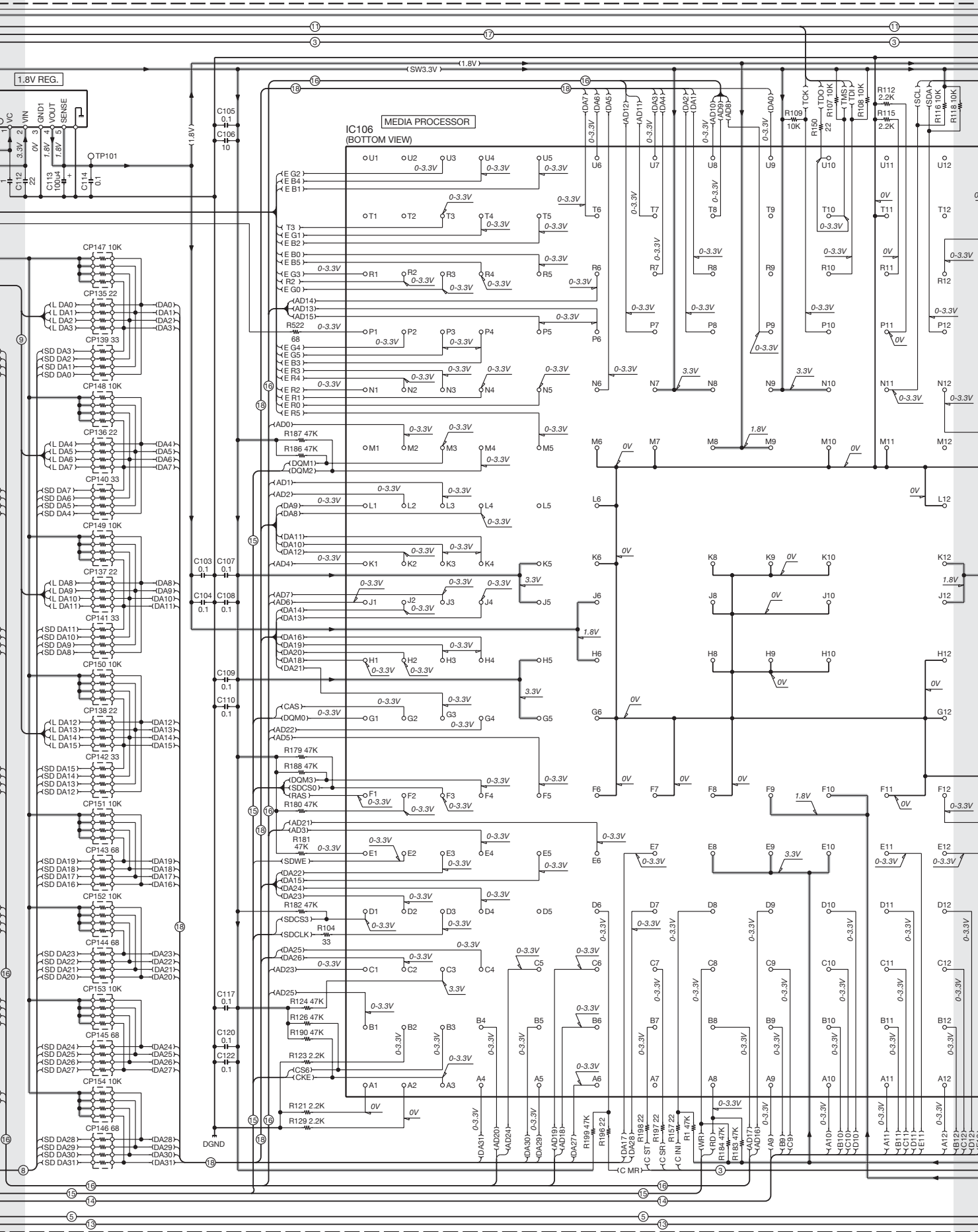




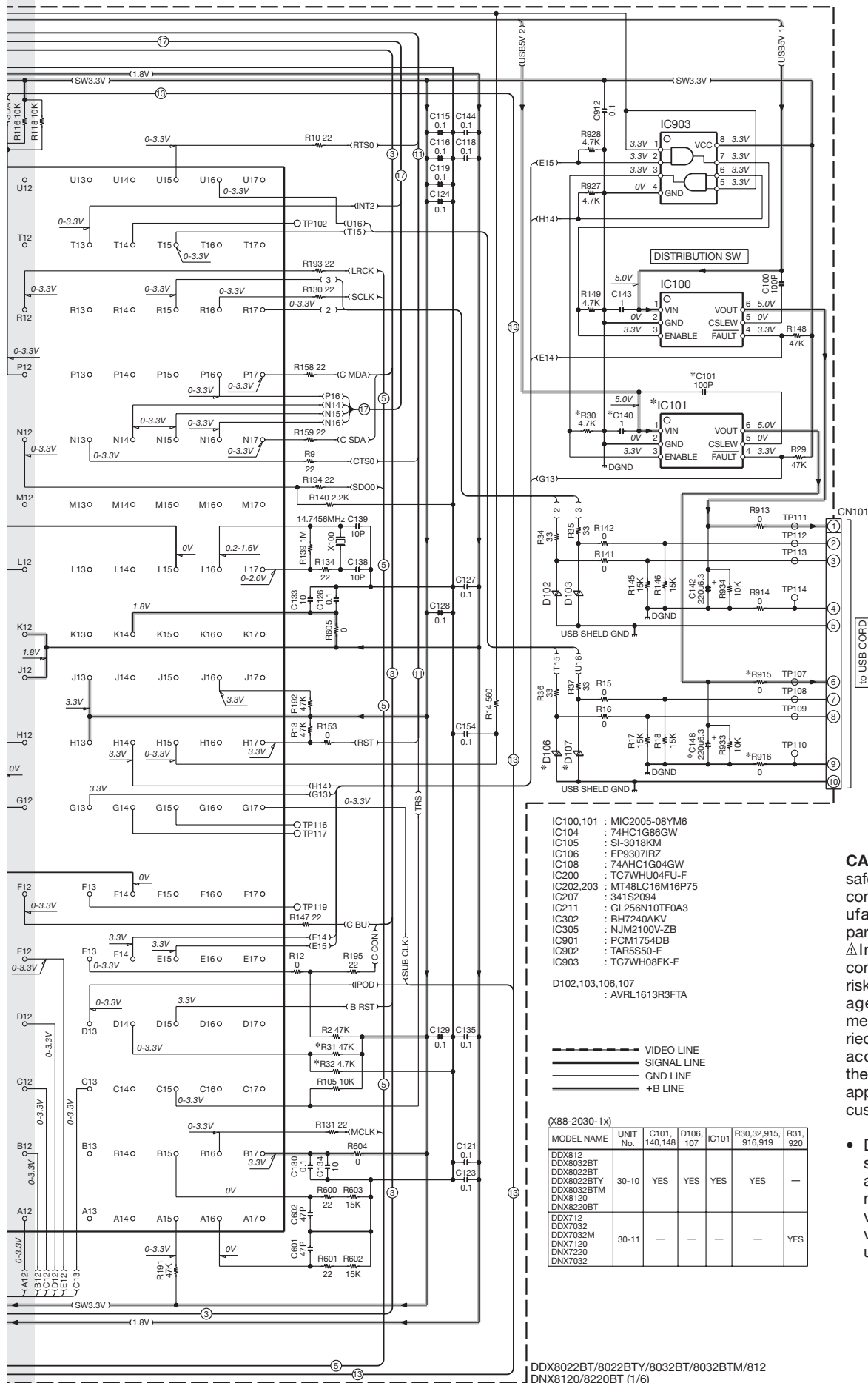








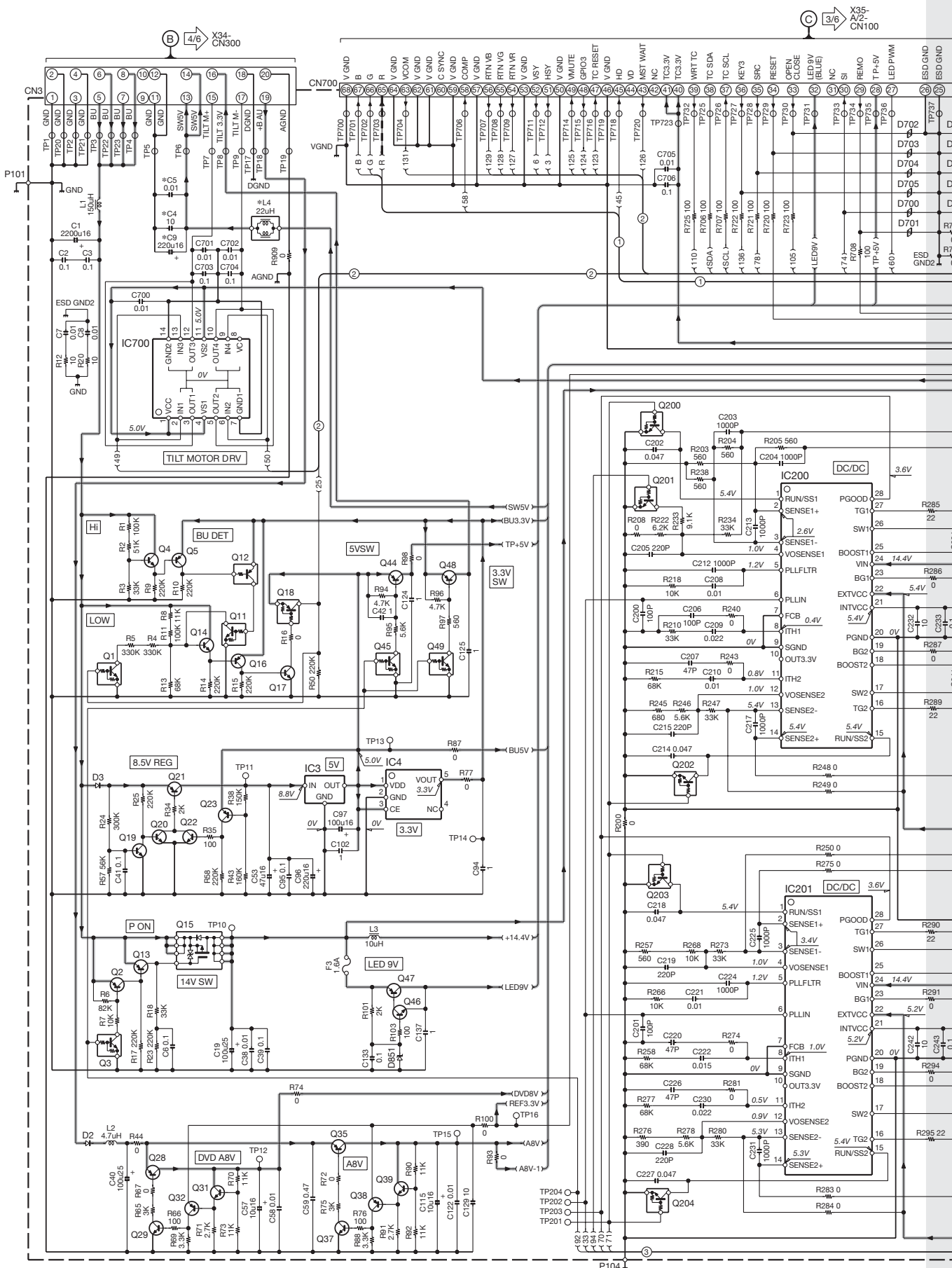
# DDX8022BT/8022BTY/8032BT/8032BTM/812 DNX8120/8220BT

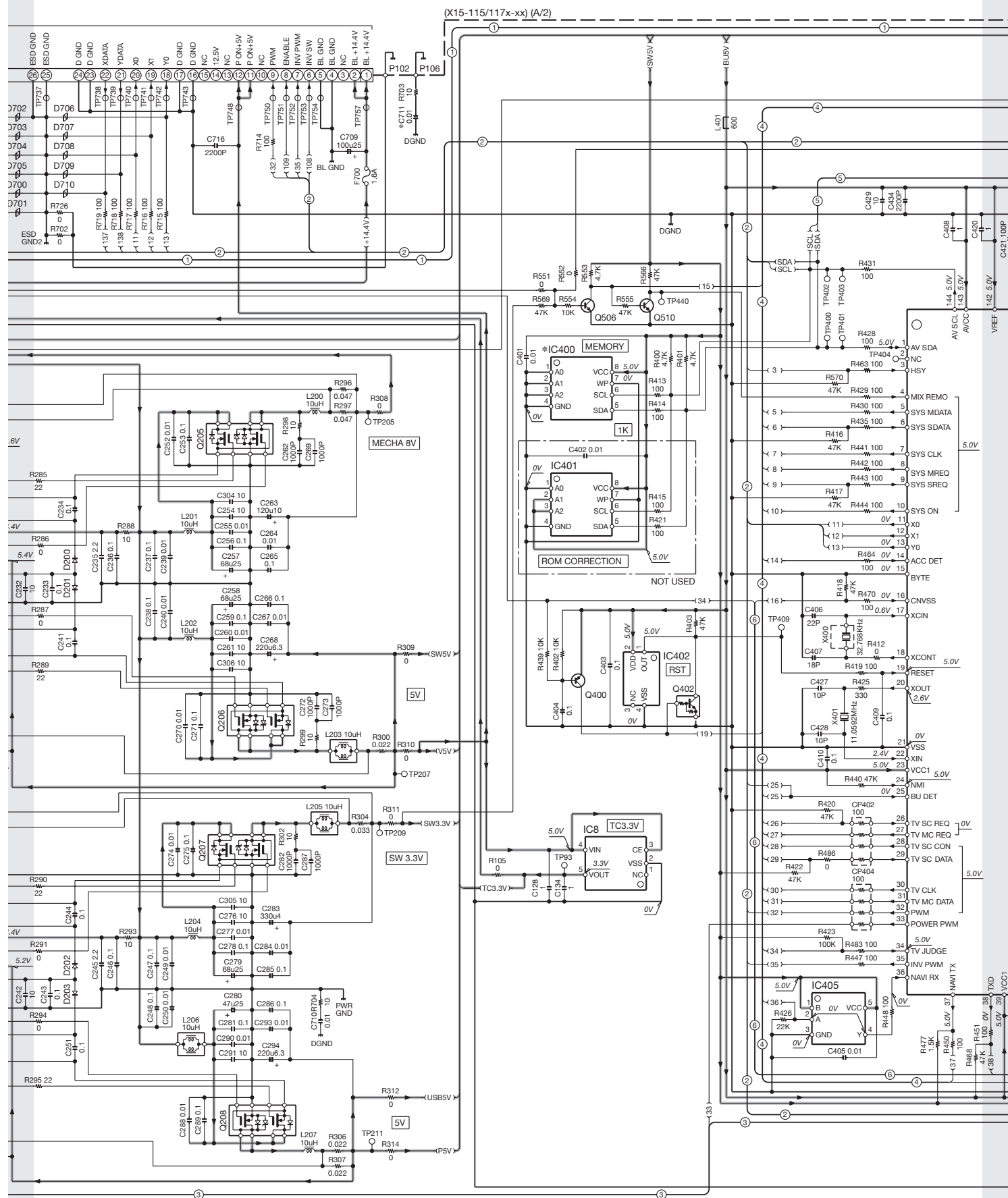


**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

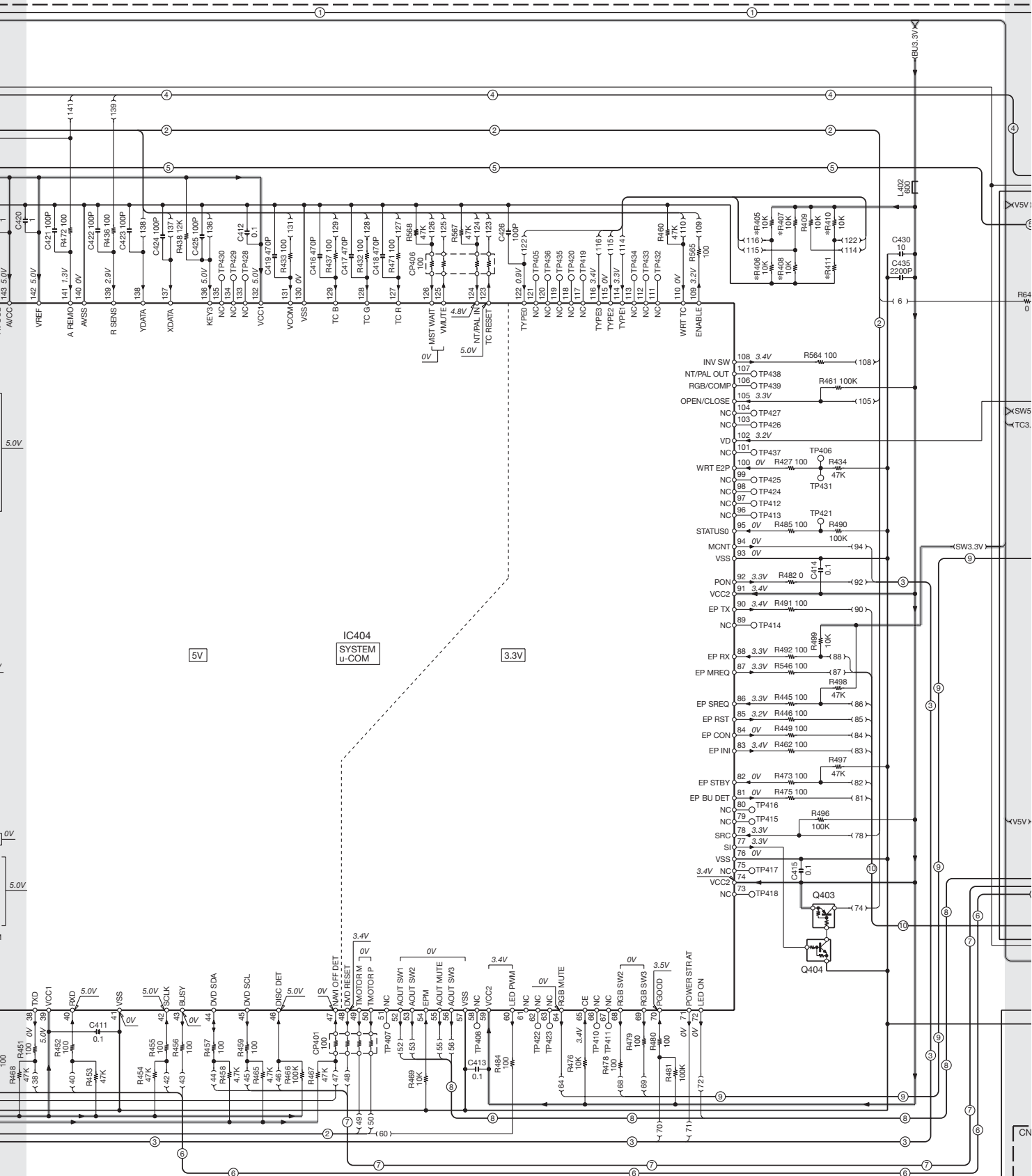
△Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



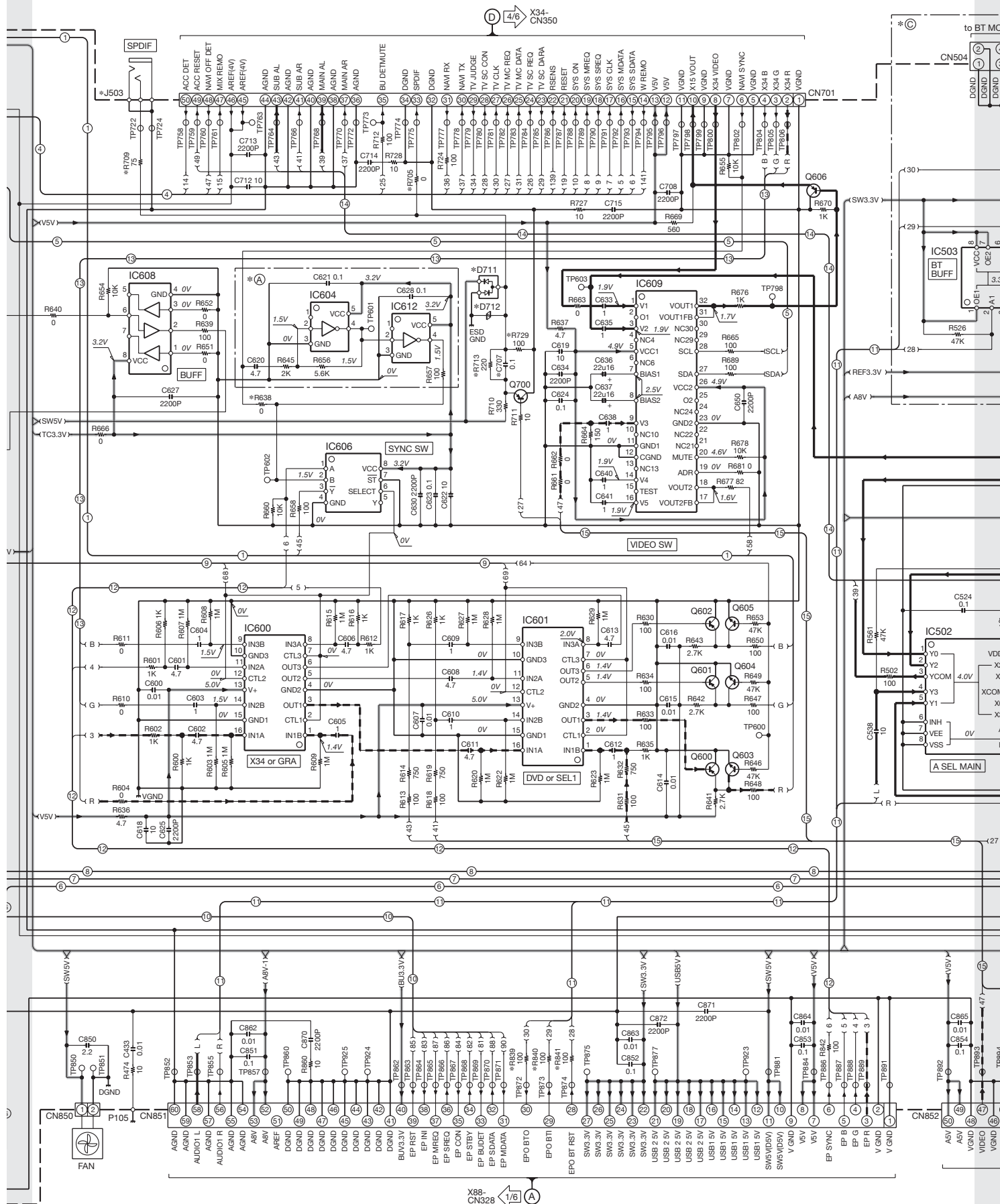


# DDX8022BT/8022BTY/8032BT/8032BTM/812 DNX8120/8220BT





# DDX8022BT/8022BTY/8032BT/8032BTM/812 DNX8120/8220BT

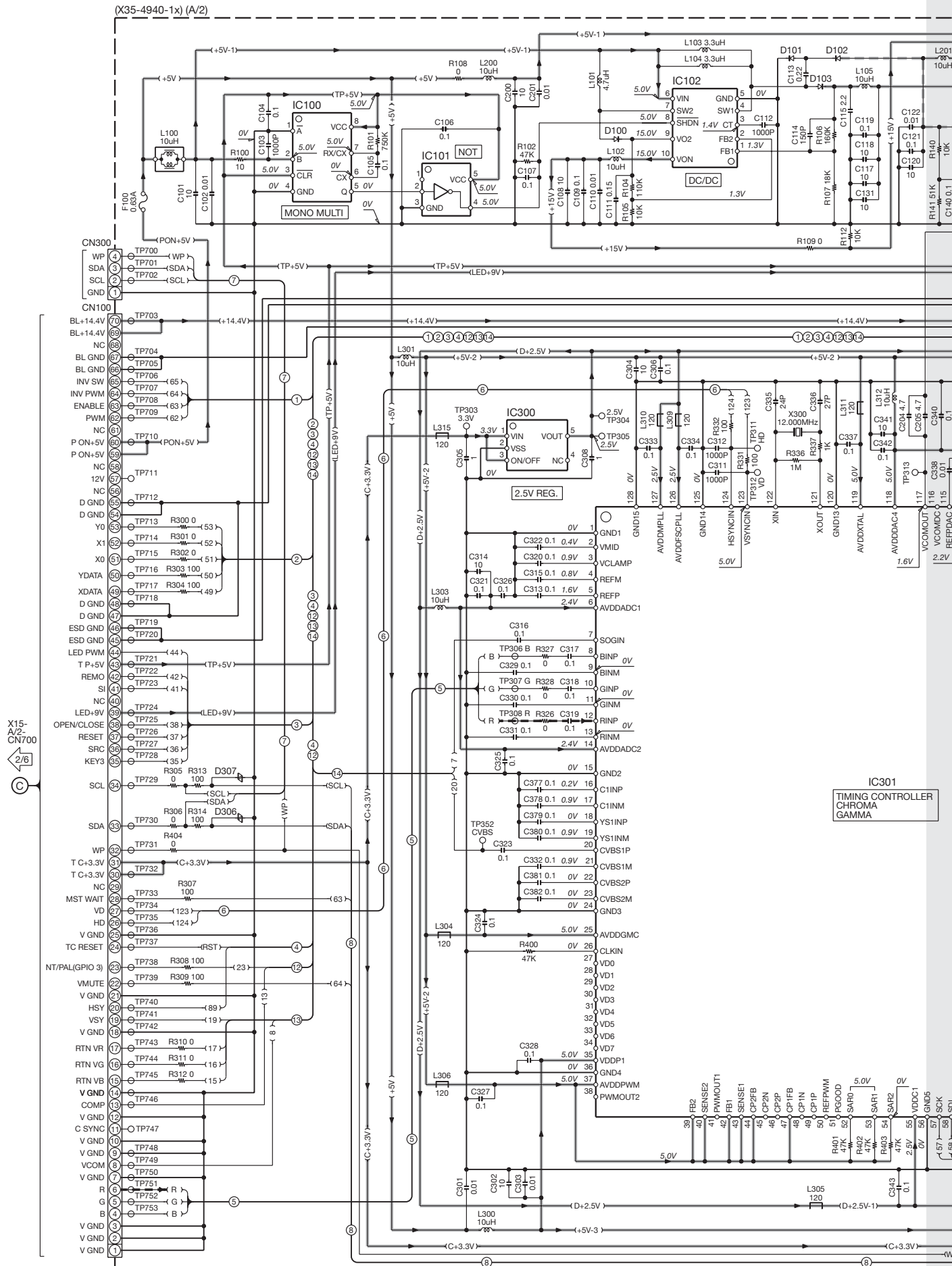


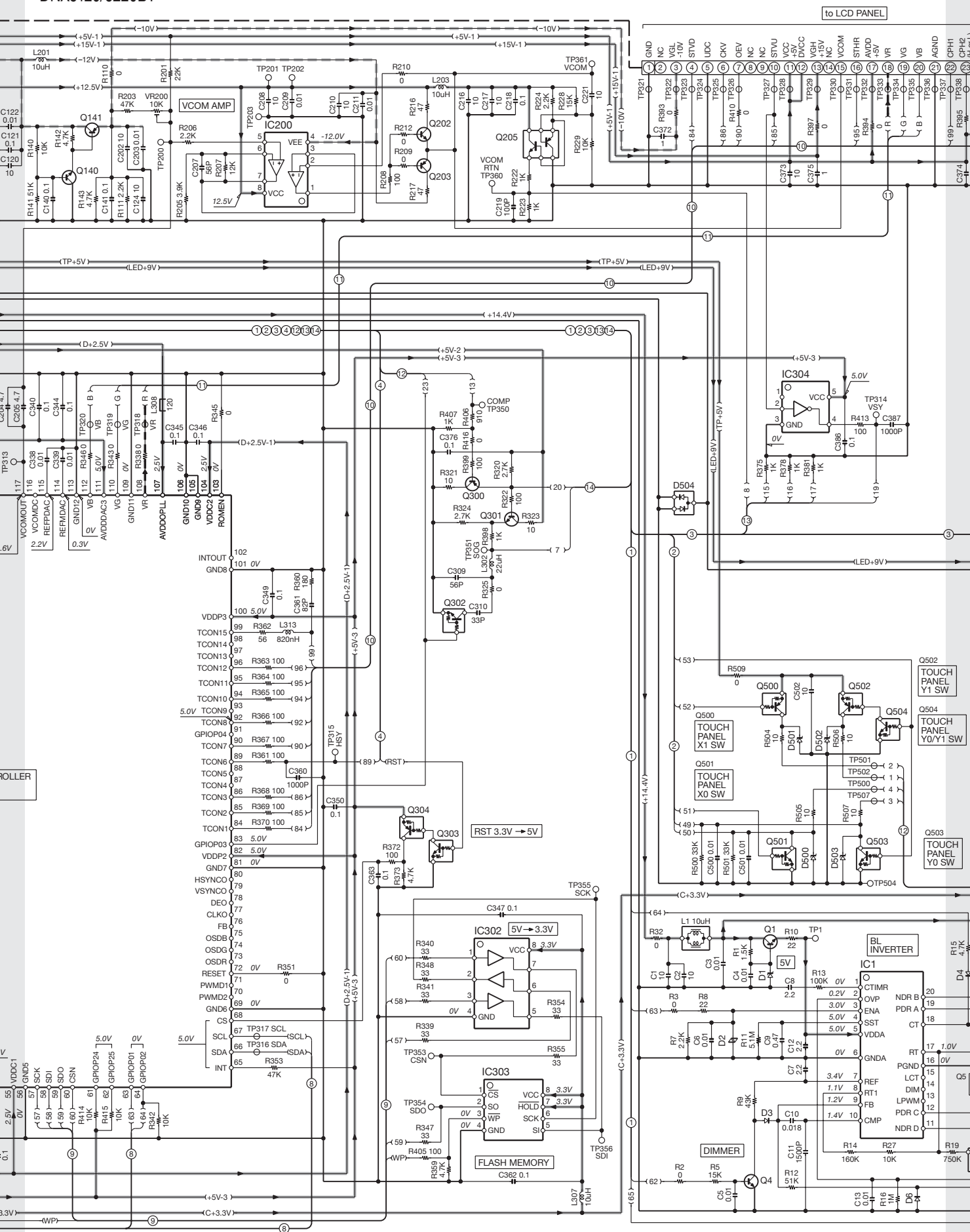
## 7

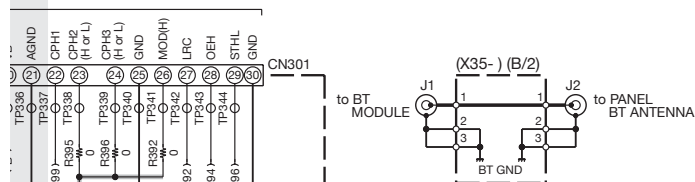
DDX8022BT/8022BTY/8032BT/8032BTM/812, DNX8120/8220BT (2/6)



- 1
- 2
- 3
- 4
- 5
- 6
- 7





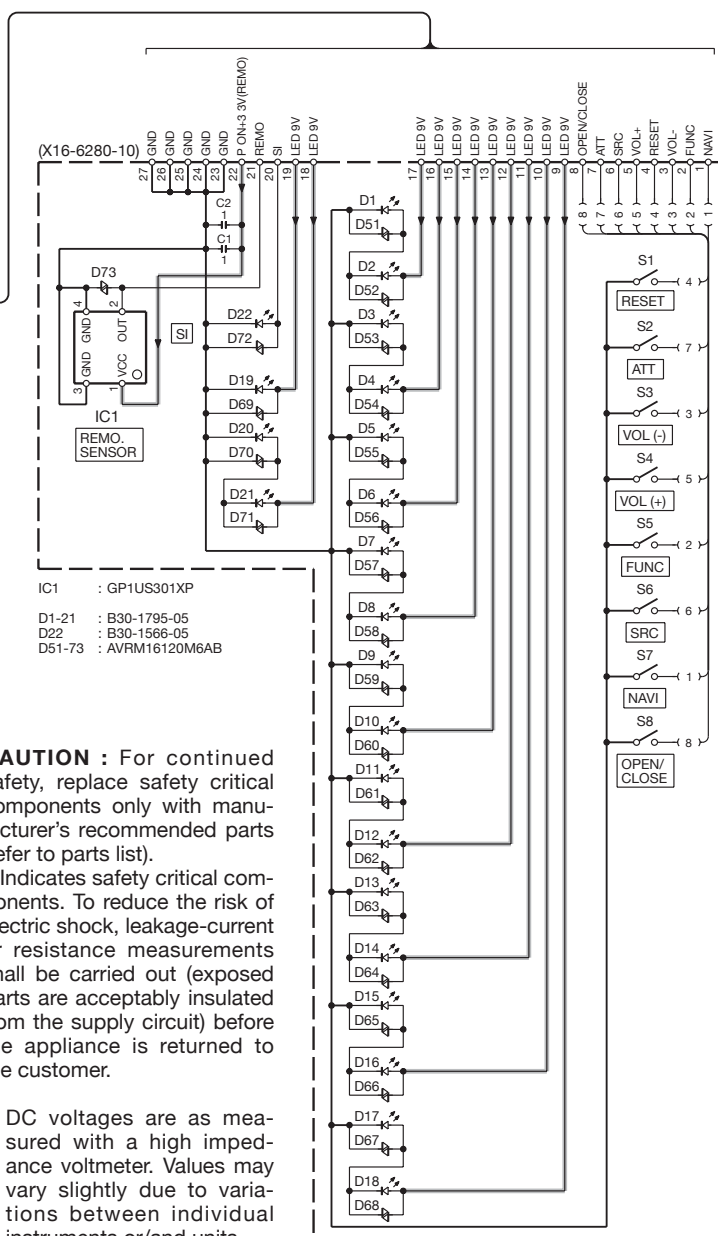
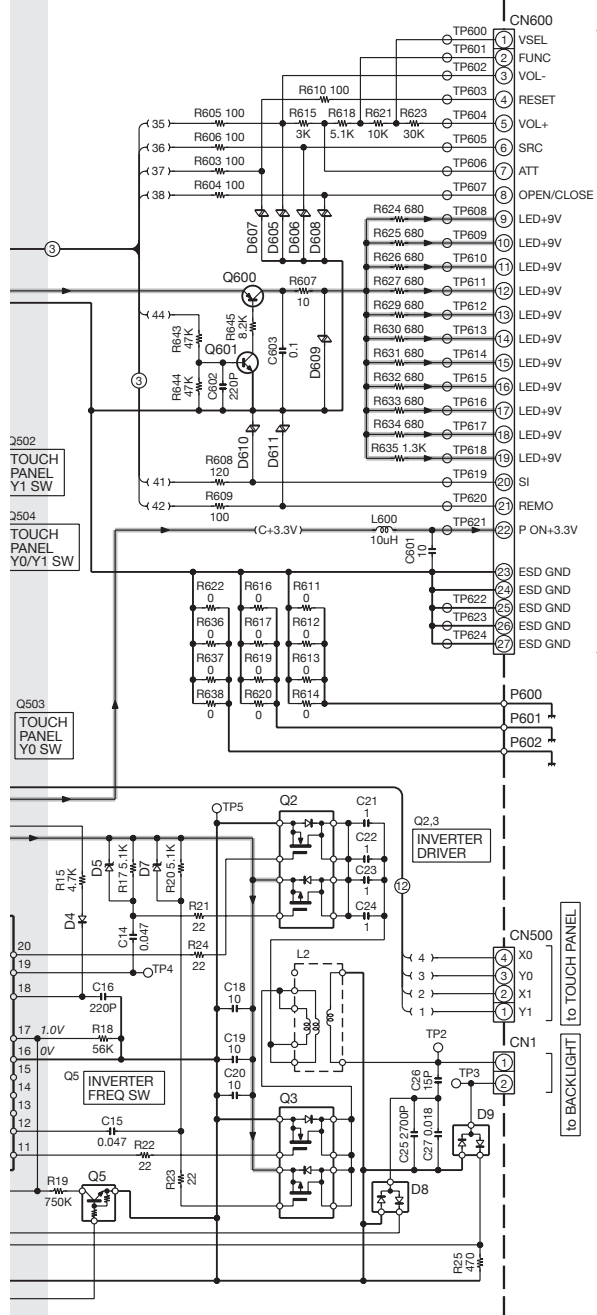


IC1 : OZ964ISN-C-SN  
IC100 : TC7WH123FU-F  
IC101,304 : 74AHC1G04GW  
IC102 : LT1947-PBF  
IC200 : TA75W58FU-F  
IC300 : S-1112B25MCG  
IC301 : MST7988LA-ALF  
IC302 : 74LVC3G34DP  
IC303 : AT25F2048-6Z1

Q1,4,140,301,601 : 2SC4081  
Q2,3 : SIS504DC-E3  
Q5,302,303,504 : DTC114YUA  
Q141,300,600 : 2SA1576A  
Q202 : 2SC4097  
Q203 : 2SA1577  
Q205 : UMZ1N  
Q304 : DTA123JUA  
Q500,502 : DTA143ZUA  
Q501,503 : DTC143ZUA

D1,5,7 : UDZS5.6B  
D2,605-608,610,611 : AVR16180M6AB  
D3,4 : 1SS355  
D6 : MA2S784-F  
D8,9,504 : DA204U  
D100 : EP05Q06  
D101-103 : EP05Q04  
D306,307 : AVR16270MAAB  
D500-503 : UDZS6.8B  
D609 : AVR16180M6AB

--- VIDEO LINE  
--- GND LINE  
--- +B LINE  
--- -B LINE



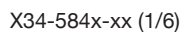
IC1 : GP1US301XP

D1-21 : B30-1795-05  
D22 : B30-1566-05  
D51-73 : AVR16120M6AB

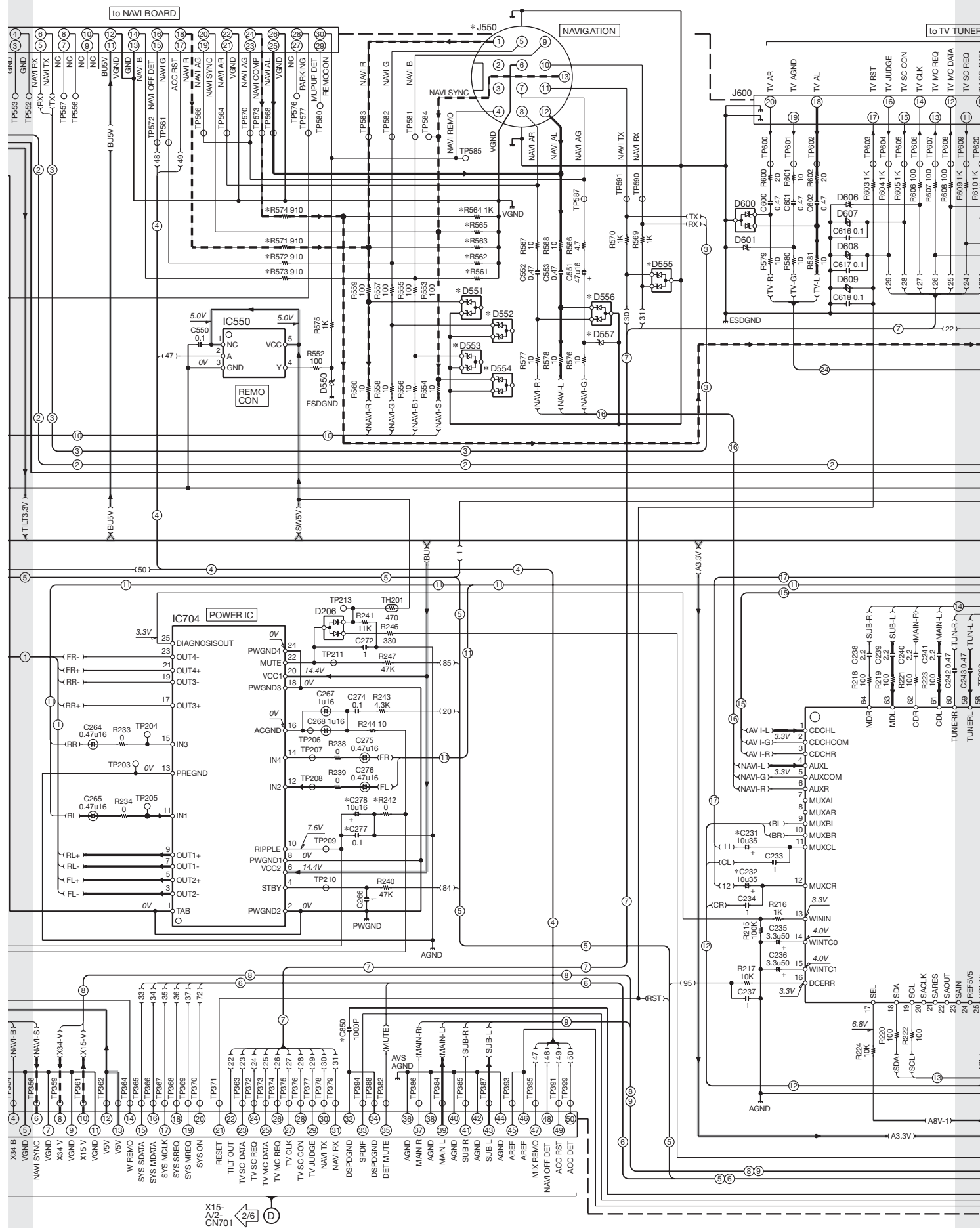
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  
△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

to DC CORD



DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT

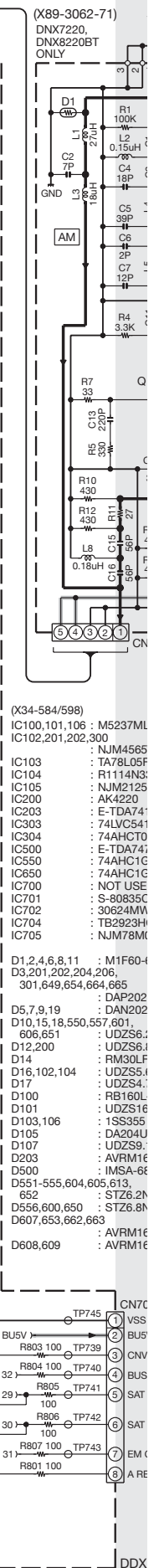




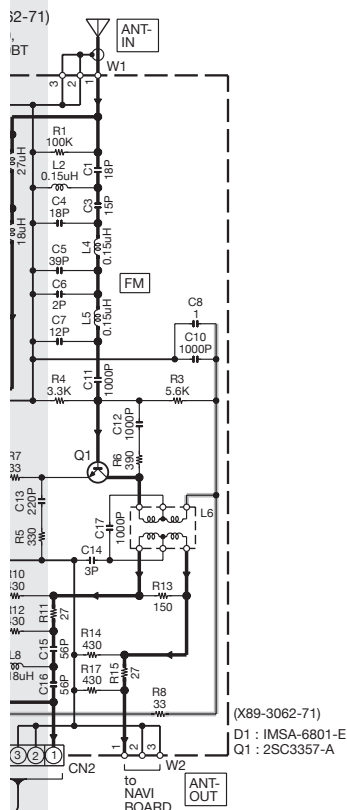
## to TV TUNER








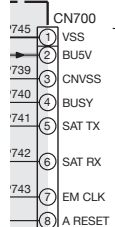




5: M5237ML-CF0J	Q1	: 2SB1188(Q,R)
1,300	Q2,5,11,106,114,117,200	
: NMJ4565V-ZB	Q6,117	: 2SA1576A
: TA781-05F-F	Q7,112,116,500,775	
: RT114N331B-TR	Q8,652	: DTIC124EU
: NMJ2125F-ZB	Q4,652	: DT1424EU
: AK4220	Q6,113,702	: DTIC114YU
: E-DA7415CB	Q7	: 2SB1188(R)
: 74LCV541APW	Q9,10,13,14,108-110,122,	
: 74AHC0870P	650,651	: 2SC4081
: E-DA7478AD	Q100,101,104,120	
: 74AHC1604GW		: UMC2N
: 74AHC1608GW	Q102,107	: 2SB1184
NOT USED	Q103,105	: 2SC5712-F
S-80835CNNB-G	Q105,115	: KTA1046-P
30624MWBP74GP	Q11,501	: 2SB1689
TD2923HQ	Q118	: TA1242EU
: NJM78M05DL1AZB	Q119	: TP08110-F

: M1F60-6063  
14,206,  
664,665  
: DAP202U  
: DAN202U  
1,557,601,  
: UDZS6.2B  
: UDZS6.8B  
: RM30LF014-102  
: UDZS5.6B  
: UDZS4.7B  
: RB160L-40  
: UDZS16B  
: 1SS355  
: DA204U  
: UDZS9.1B  
: AYRM16270MAAB  
: IMSA-6801-E  
605,613,  
: STZ6.2N  
: STZ6.8N  
663  
: AYRM16180M6AB  
: AYRM16120M6AB

 VIDEO LINE  
 SIGNAL LINE  
 GND LINE  
 +B LINE



DDX8022BT/8022BTY/8032BT/8032BTM/812, DNX8120/8220BT (4/6)

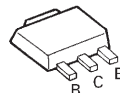
X34-584x-xx/598x-xx)

DEST. 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No.	A	B	C	D	E	F	G	H	I	J	A500	C17	C200	C300	C400	C500	C600	C700	C800	C900	C1000	C1100	C1200	C1300	C1400	C1500	C1600	C1700	C1800	C1900	C2000	C2100	C2200	C2300	C2400	C2500	C2600	C2700	C2800	C2900	C3000	C3100	C3200	C3300	C3400	C3500	C3600	C3700	C3800	C3900	C4000	C4100	C4200	C4300	C4400	C4500	C4600	C4700	C4800	C4900	C5000	C5100	C5200	C5300	C5400	C5500	C5600	C5700	C5800	C5900	C6000	C6100	C6200	C6300	C6400	C6500	C6600	C6700	C6800	C6900	C7000	C7100	C7200	C7300	C7400	C7500	C7600	C7700	C7800	C7900	C8000	C8100	C8200	C8300	C8400	C8500	C8600	C8700	C8800	C8900	C9000	C9100	C9200	C9300	C9400	C9500	C9600	C9700	C9800	C9900	C10000	C10100	C10200	C10300	C10400	C10500	C10600	C10700	C10800	C10900	C11000	C11100	C11200	C11300	C11400	C11500	C11600	C11700	C11800	C11900	C12000	C12100	C12200	C12300	C12400	C12500	C12600	C12700	C12800	C12900	C13000	C13100	C13200	C13300	C13400	C13500	C13600	C13700	C13800	C13900	C14000	C14100	C14200	C14300	C14400	C14500	C14600	C14700	C14800	C14900	C15000	C15100	C15200	C15300	C15400	C15500	C15600	C15700	C15800	C15900	C16000	C16100	C16200	C16300	C16400	C16500	C16600	C16700	C16800	C16900	C17000	C17100	C17200	C17300	C17400	C17500	C17600	C17700	C17800	C17900	C18000	C18100	C18200	C18300	C18400	C18500	C18600	C18700	C18800	C18900	C19000	C19100	C19200	C19300	C19400	C19500	C19600	C19700	C19800	C19900	C20000	C20100	C20200	C20300	C20400	C20500	C20600	C20700	C20800	C20900	C21000	C21100	C21200	C21300	C21400	C21500	C21600	C21700	C21800	C21900	C22000	C22100	C22200	C22300	C22400	C22500	C22600	C22700	C22800	C22900	C23000	C23100	C23200	C23300	C23400	C23500	C23600	C23700	C23800	C23900	C24000	C24100	C24200	C24300	C24400	C24500	C24600	C24700	C24800	C24900	C25000	C25100	C25200	C25300	C25400	C25500	C25600	C25700	C25800	C25900	C26000	C26100	C26200	C26300	C26400	C26500	C26600	C26700	C26800	C26900	C27000	C27100	C27200	C27300	C27400	C27500	C27600	C27700	C27800	C27900	C28000	C28100	C28200	C28300	C28400	C28500	C28600	C28700	C28800	C28900	C29000	C29100	C29200	C29300	C29400	C29500	C29600	C29700	C29800	C29900	C30000	C30100	C30200	C30300	C30400	C30500	C30600	C30700	C30800	C30900	C31000	C31100	C31200	C31300	C31400	C31500	C31600	C31700	C31800	C31900	C32000	C32100	C32200	C32300	C32400	C32500	C32600	C32700	C32800	C32900	C33000	C33100	C33200	C33300	C33400	C33500	C33600	C33700	C33800	C33900	C34000	C34100	C34200	C34300	C34400	C34500	C34600	C34700	C34800	C34900	C35000	C35100	C35200	C35300	C35400	C35500	C35600	C35700	C35800	C35900	C36000	C36100	C36200	C36300	C36400	C36500	C36600	C36700	C36800	C36900	C37000	C37100	C37200	C37300	C37400	C37500	C37600	C37700	C37800	C37900	C38000	C38100	C38200	C38300	C38400	C38500	C38600	C38700	C38800	C38900	C39000	C39100	C39200	C39300	C39400	C39500	C39600	C39700	C39800	C39900	C40000	C40100	C40200	C40300	C40400	C40500	C40600	C40700	C40800	C40900	C41000	C41100	C41200	C41300	C41400	C41500	C41600	C41700	C41800	C41900	C42000	C42100	C42200	C42300	C42400	C42500	C42600	C42700	C42800	C42900	C43000	C43100	C43200	C43300	C43400	C43500	C43600	C43700	C43800	C43900	C44000	C44100	C44200	C44300	C44400	C44500	C44600	C44700	C44800	C44900	C45000	C45100	C45200	C45300	C45400	C45500	C45600	C45700	C45800	C45900	C46000	C46100	C46200	C46300	C46400	C46500	C46600	C46700	C46800	C46900	C47000	C47100	C47200	C47300	C47400	C47500	C47600	C47700	C47800	C47900	C48000	C48100	C48200	C48300	C48400	C48500	C48600	C48700	C48800	C48900	C49000	C49100	C49200	C49300	C49400	C49500	C49600	C49700	C49800	C49900	C50000	C50100	C50200	C50300	C50400	C50500	C50600	C50700	C50800	C50900	C51000	C51100	C51200	C51300	C51400	C51500	C51600	C51700	C51800	C51900	C52000	C52100	C52200	C52300	C52400	C52500	C52600	C52700	C52800	C52900	C53000	C53100	C53200	C53300	C53400	C53500	C53600	C53700	C53800	C53900	C54000	C54100	C54200	C54300	C54400	C54500	C54600	C54700	C54800	C54900	C55000	C55100	C55200	C55300	C55400	C55500	C55600	C55700	C55800	C55900	C56000	C56100	C56200	C56300	C56400	C56500	C56600	C56700	C56800	C56900	C57000	C57100	C57200	C57300	C57400	C57500	C57600	C57700	C57800	C57900	C58000	C58100	C58200	C58300	C58400	C58500	C58600	C58700	C58800	C58900	C59000	C59100	C59200	C59300	C59400	C59500	C59600	C59700	C59800	C59900	C60000	C60100	C60200	C60300	C60400	C60500	C60600	C60700	C60800	C60900	C61000	C61100	C61200	C61300	C61400	C61500	C61600	C61700	C61800	C61900	C62000	C62100	C62200	C62300	C62400	C62500	C62600	C62700	C62800	C62900	C63000	C63100	C63200	C63300	C63400	C63500	C63600	C63700	C63800	C63900	C64000	C64100	C64200	C64300	C64400	C64500	C64600	C64700	C64800	C64900	C65000	C65100	C65200	C65300	C65400	C65500	C65600	C65700	C65800	C65900	C66000	C66100	C66200	C66300	C66400	C66500	C66600	C66700	C66800	C66900	C67000	C67100	C67200	C67300	C67400	C67500	C67600	C67700	C67800	C67900	C68000	C68100	C68200	C68300	C68400	C68500	C68600	C68700	C68800	C68900	C69000	C69100	C69200	C69300	C69400	C69500	C69600	C69700	C69800	C69900	C70000	C70100	C70200	C70300	C70400	C70500	C70600	C70700	C70800	C70900	C71000	C71100	C71200	C71300	C71400	C71500	C71600	C71700	C71800	C71900	C72000	C72100	C72200	C72300	C72400	C72500	C7260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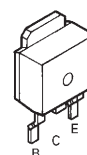
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DTA143ZE  
DTA144EUA  
DTC114YUA  
2SA1576A  
2SC4617



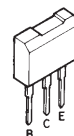
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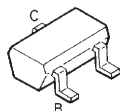
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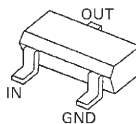
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2SA1774  
2SC4081



DTA114EUA  
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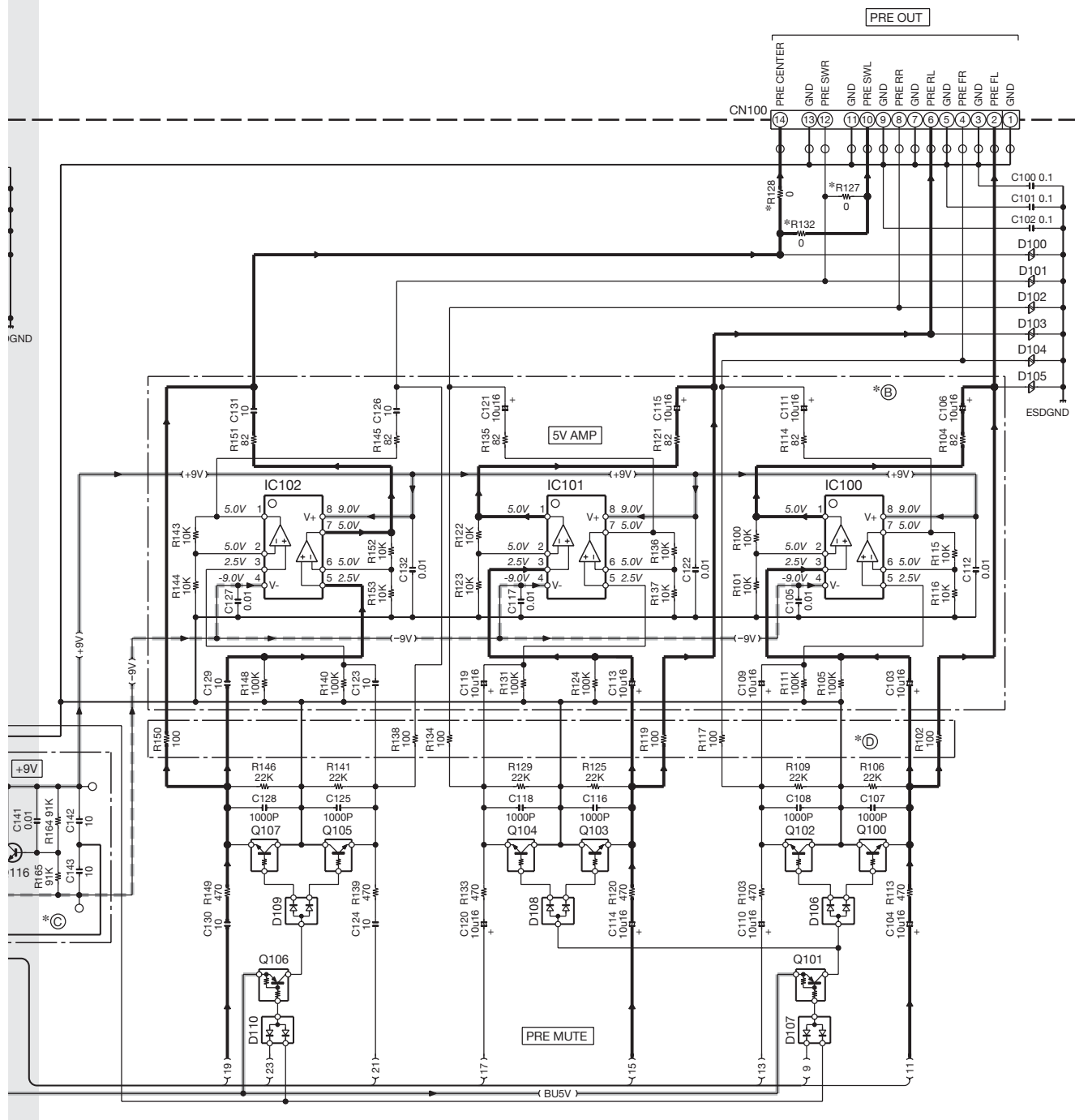
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



# DDX8022BT/8022BTY/8032BT/8032BTM/812 DNX8120/8220BT



DDX8022BT/8022BTY/8032BT/8032BTM/812, DNX8120/8220BT (5/6)

IC100-102 : NJM4565V-ZB  
IC103 : ICL7660SIBAZ

Q4,6,100,102-105,107  
Q5,101,106 : DTC643TU

Q108 : DTA144EUA  
Q109,202,208 : UMC2N

Q110,112,114,116,201,  
204,205,207,210,211 : 2SB1443

Q111,113,115,203,209 : 2SC4081

Q200,206 : 2SA1576A

D1-3,18 : STZ6.2N  
D4,6 : UDZS8.2B  
D5,8 : UDZS6.2B  
D7,9 : UDZS6.8B  
D10-13 : AVRM16270MAAB  
D14,15,100-105 : AVRM16180M6AB  
D16,17,106-110 : DAP202U  
D111 : UDZS11B  
D112 : UDZS5.6B  
D200-203 : 1SR154-400

--- VIDEO LINE  
— SIGNAL LINE  
... GND LINE  
-+B LINE  
-B LINE

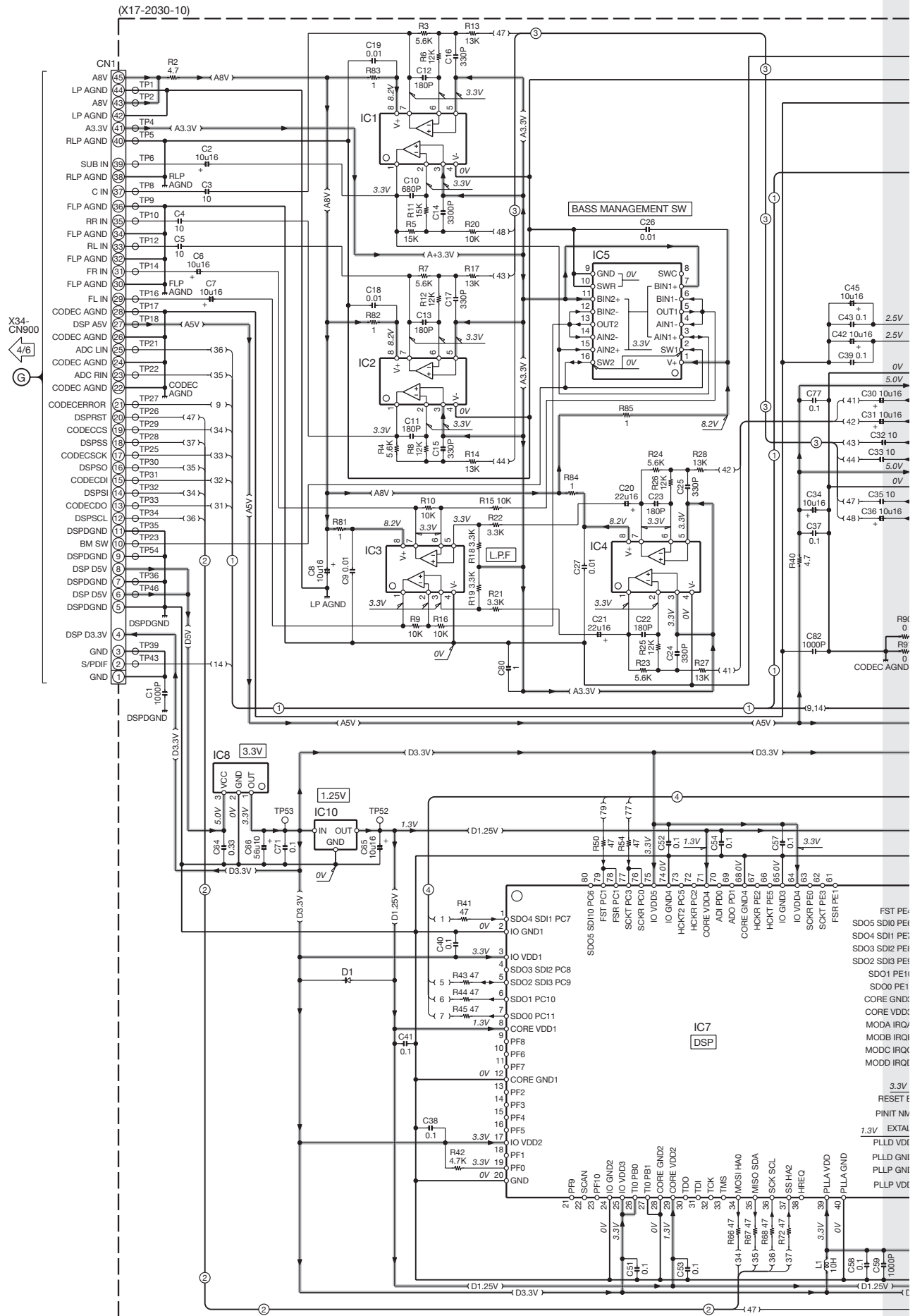
(X29-449x-xx)

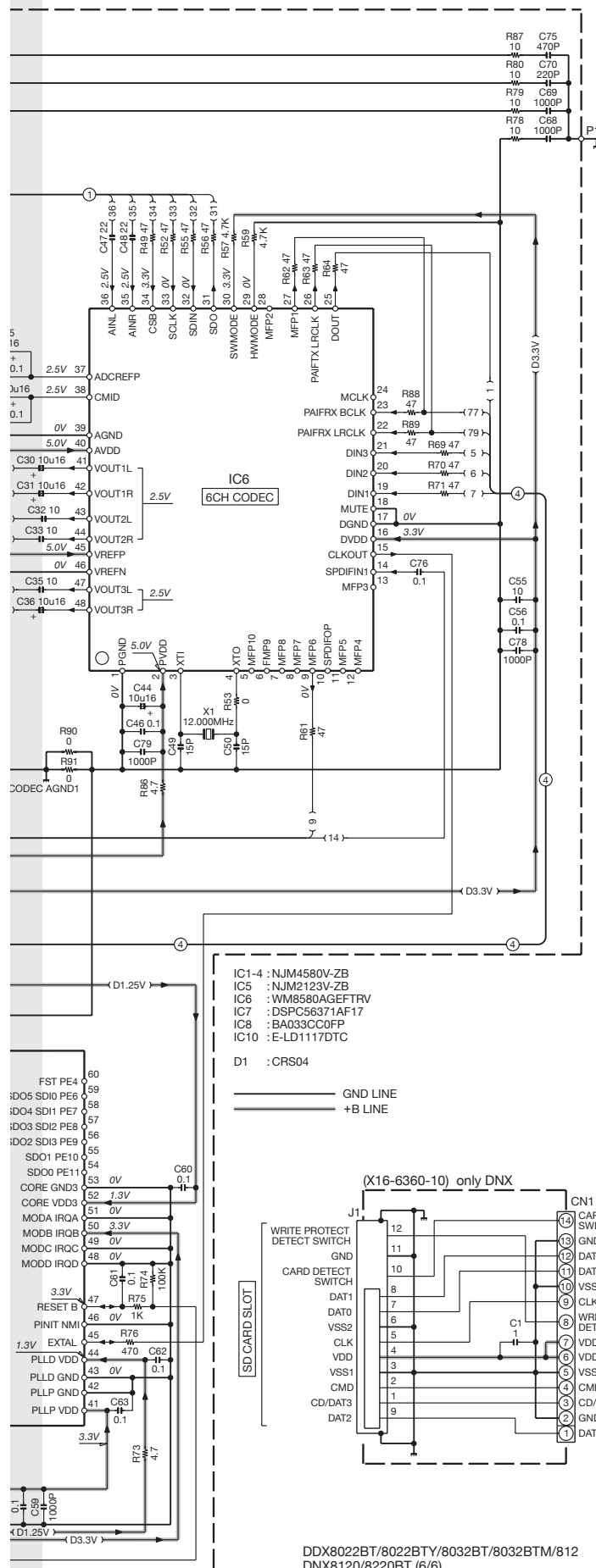
MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	C2	D2, 7-9,11	R5,12,18,21, 27,127,128	R132
DDX812	0-10	YES	—	YES	YES	YES	—	—	—
DDX8022BT/BTY	0-10	YES	—	YES	YES	YES	—	—	—
DDX8032BT/BTM	0-11	—	YES	—	—	—	—	YES	—
DDX712	0-11	—	YES	—	—	—	—	—	YES
DDX7032/M	0-10	YES	—	YES	YES	YES	—	—	—
DDX8120	0-10	YES	—	YES	YES	YES	—	—	—
DDX8220BT	0-10	YES	—	YES	YES	YES	—	—	—
DDX7120	0-11	—	YES	—	—	—	—	—	YES
DDX7220	0-11	—	YES	—	—	—	—	—	YES
DDX7320	0-11	—	YES	—	—	—	—	—	YES

**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

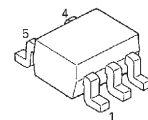
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

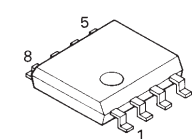




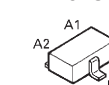
UMC2N



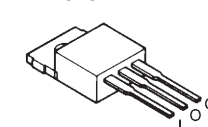
TA75W558FU-F



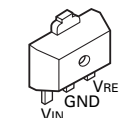
DAN202U



KTA1046-P



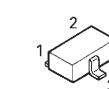
TA78L05F-F



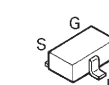
DAP202U

DA204U

DTA114YUA



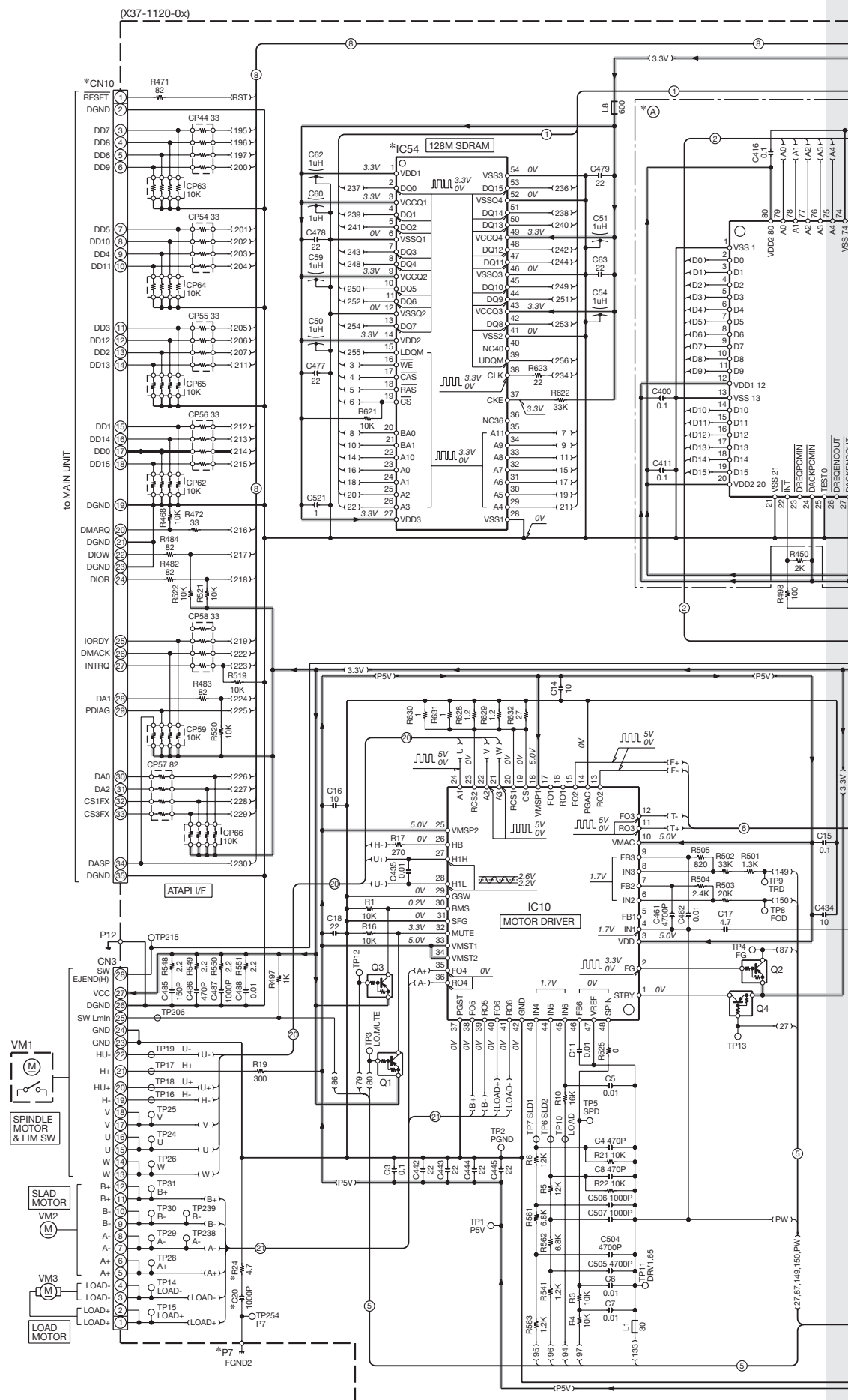
2SK3019



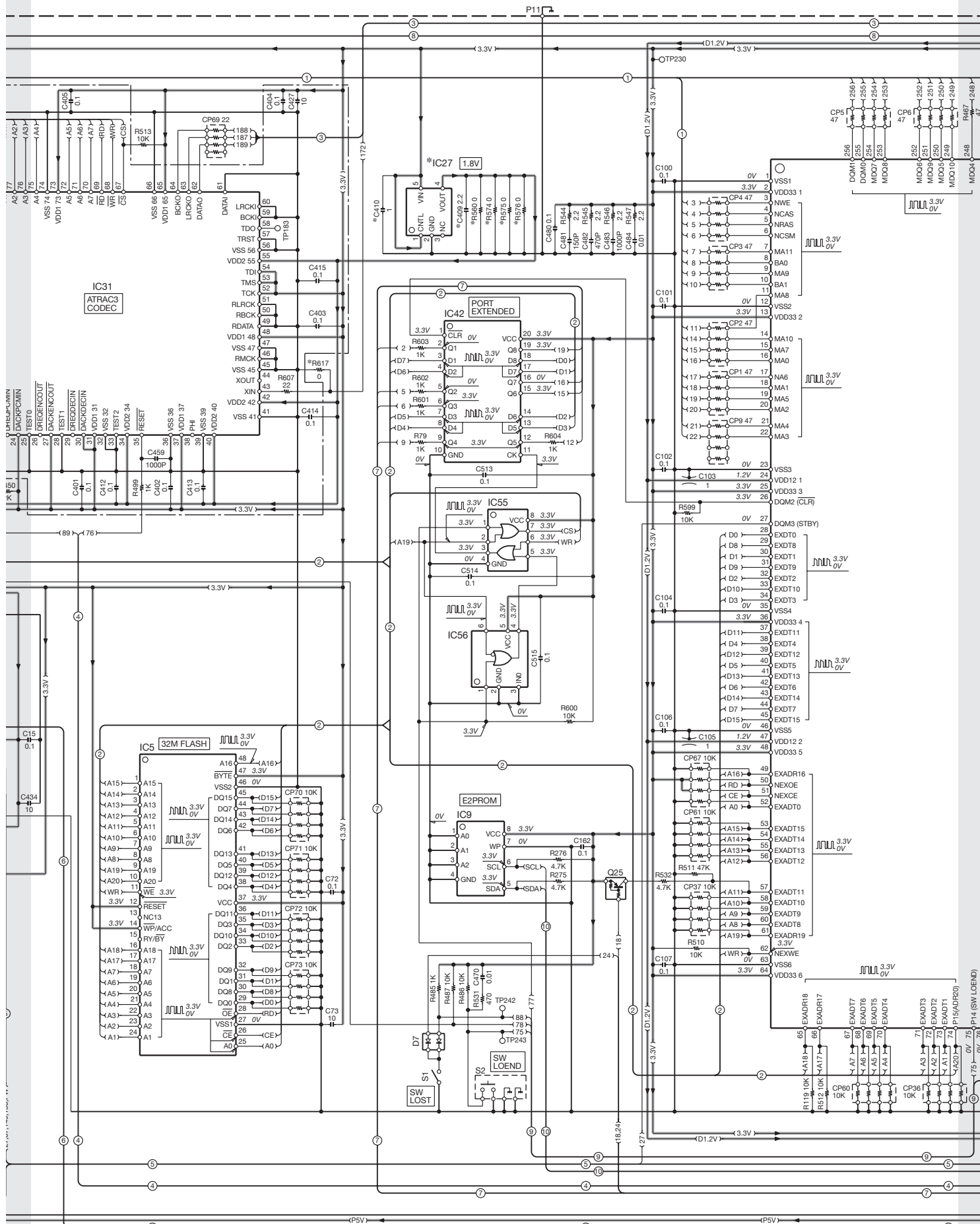
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

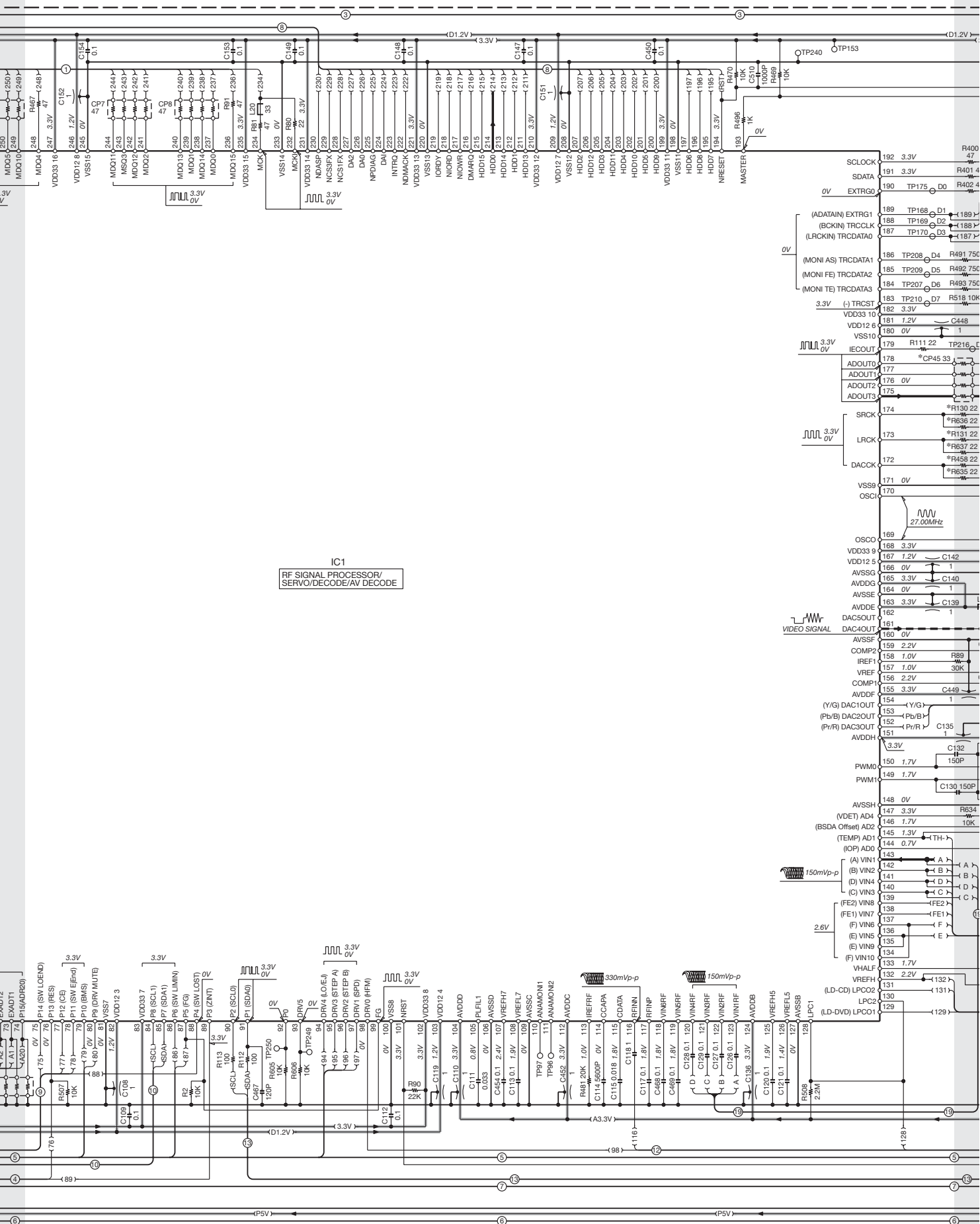
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



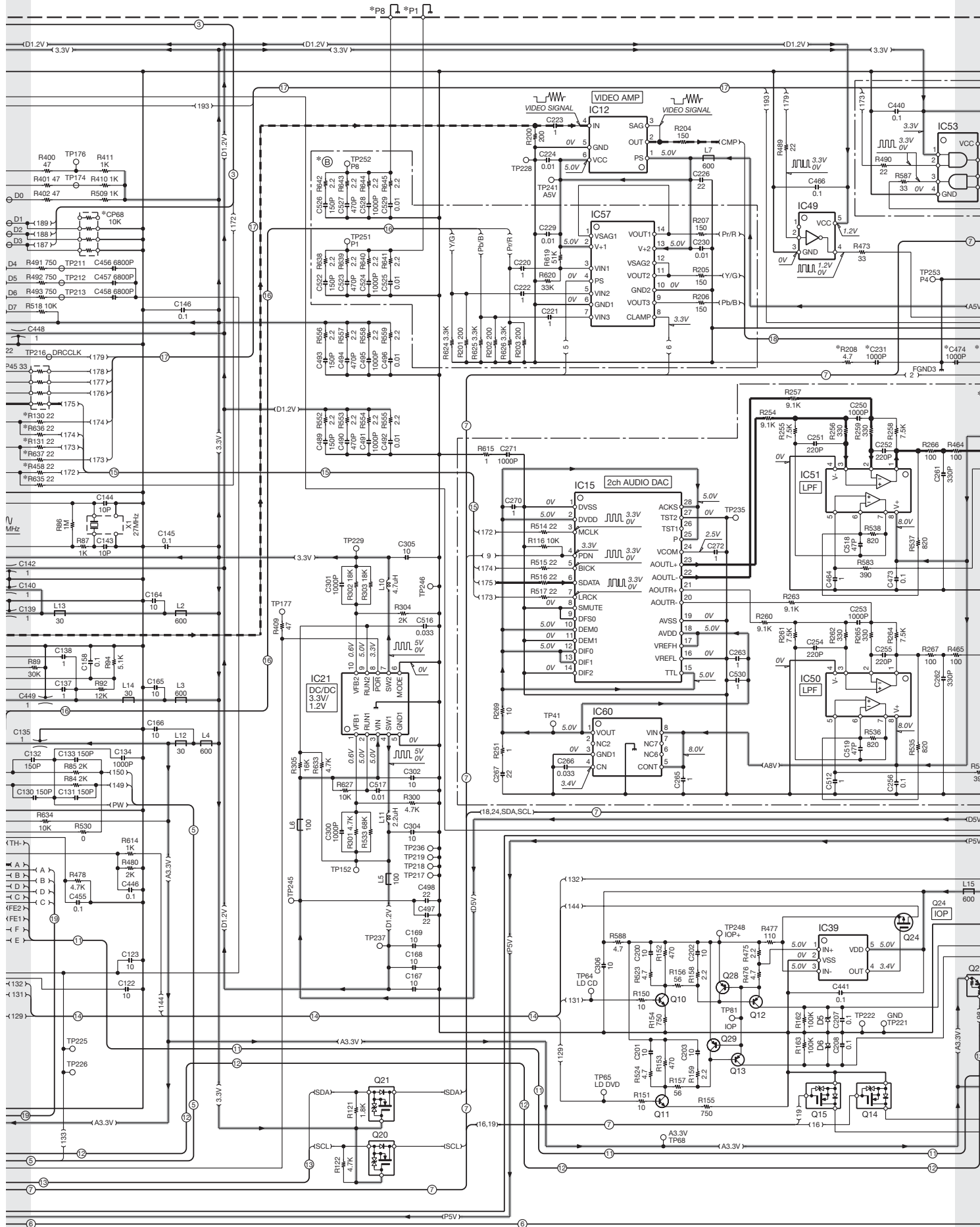




48 X37-1120-06 (3/5)

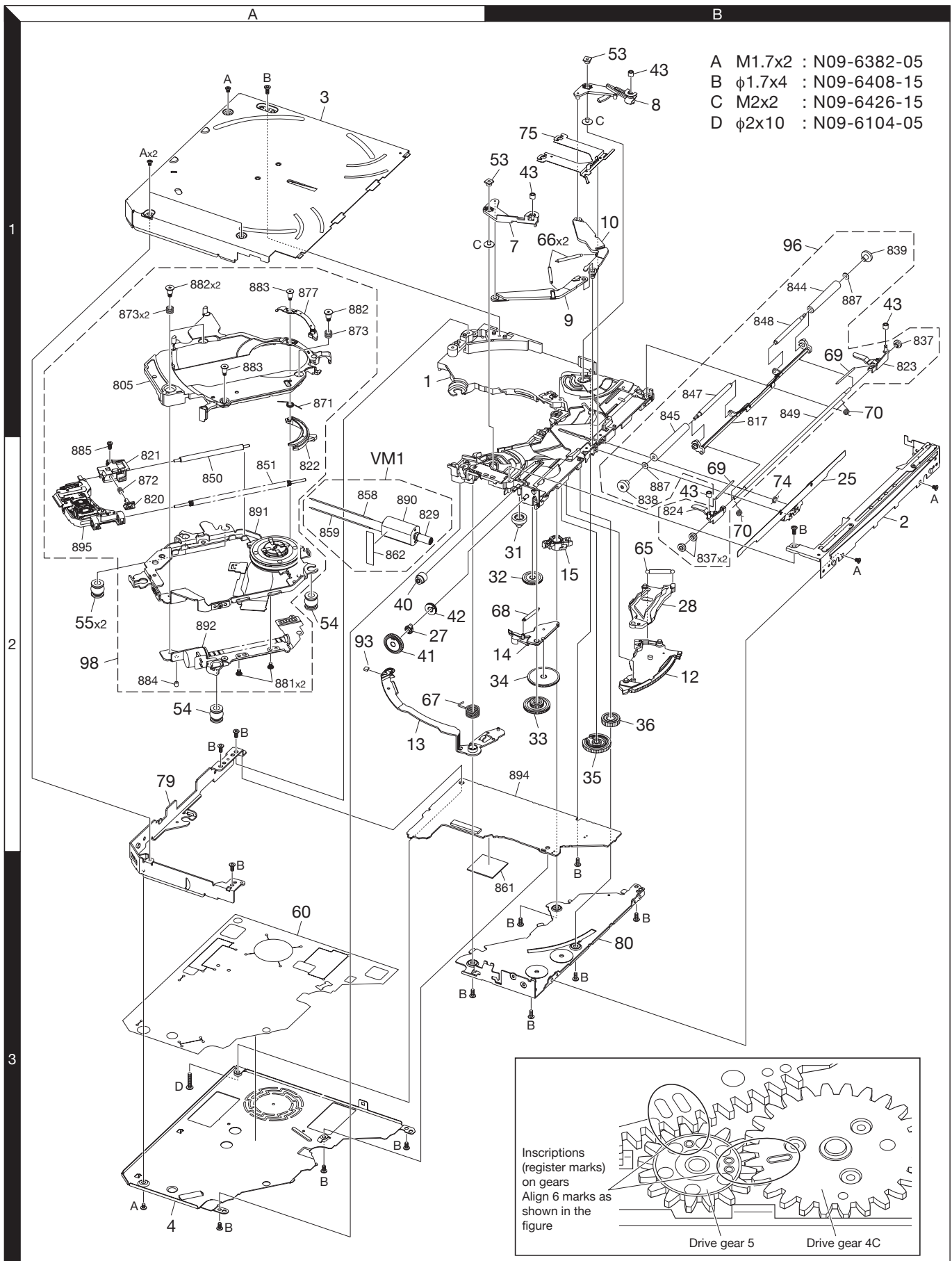


DDX8022BT/8022BTY/8032BT/8032BTM/812  
DNX8120/8220BT





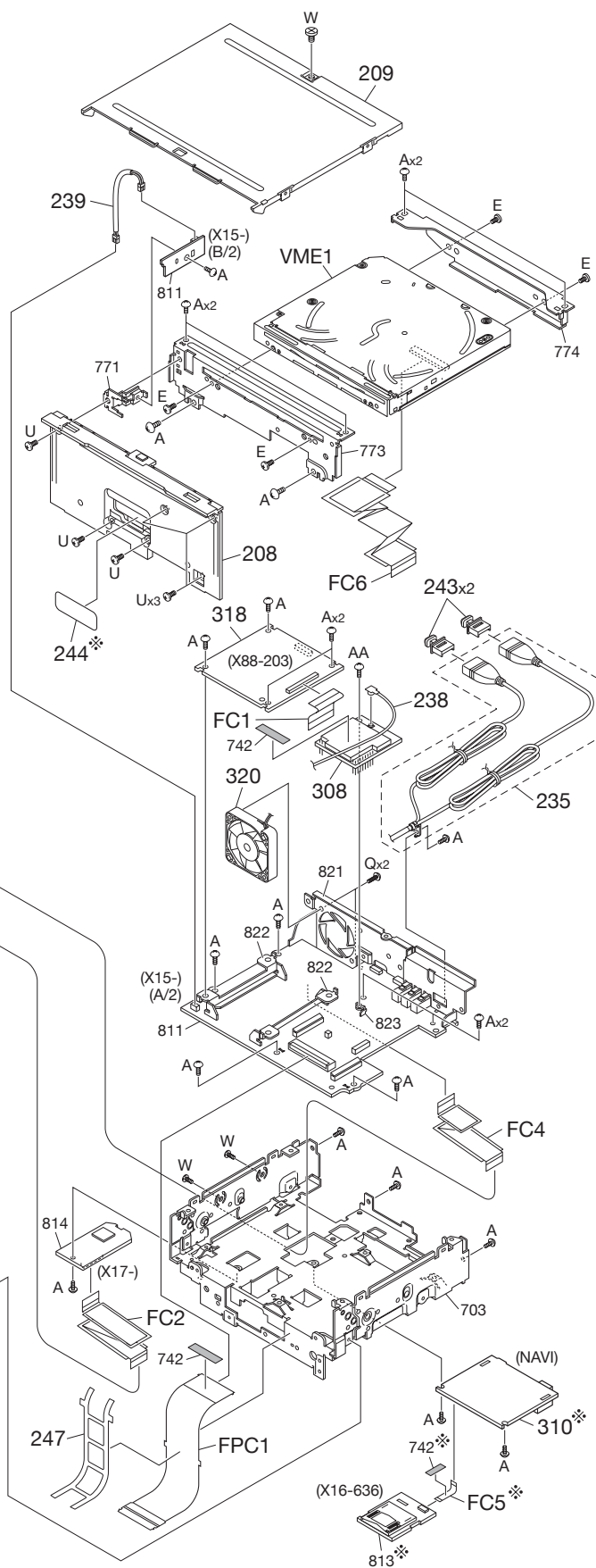
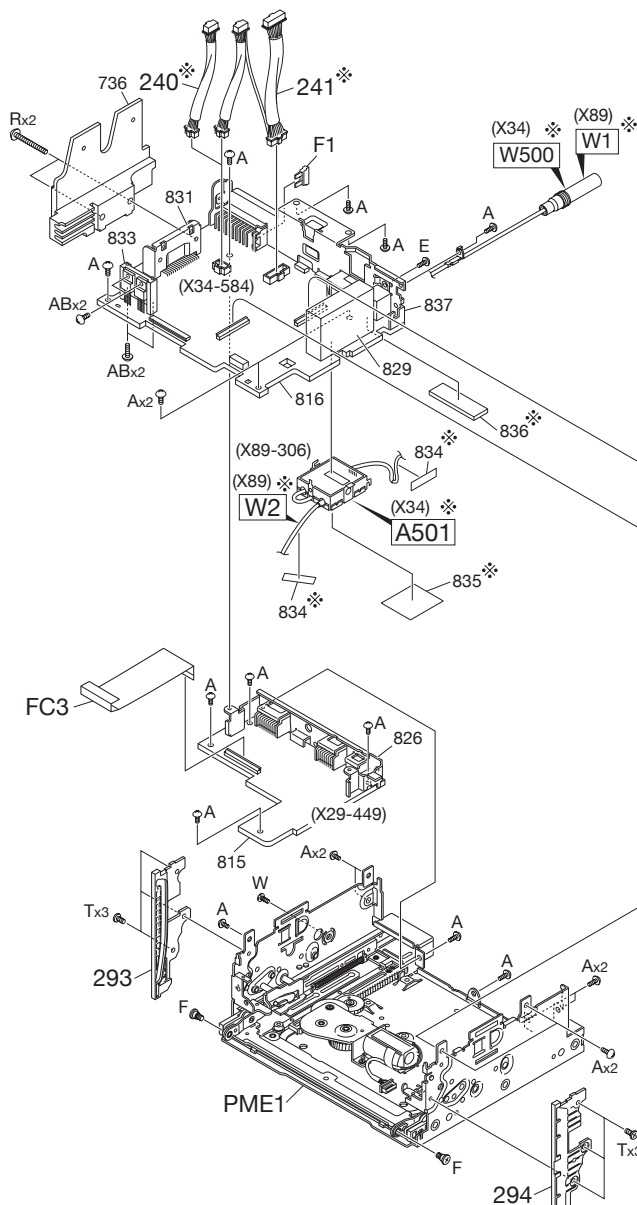
# EXPLODED VIEW (DVD MECHANISM)





# EXPLODED VIEW (UNIT)

A	φ2.6x5	: N86-2605-48
E	M2.6x4	: N35-2604-43
F	PANEL SCREW	: N09-6490-05
Q	M3x11	: N09-6498-05
R	M2.6x27	: N09-6491-05
T	M2.6x5	: N09-6493-05
U	M2.6x6	: N09-6494-05
W	M3x5	: N09-6425-15
AA	M2x3	: N35-2003-48
AB	φ3x8	: N09-6727-05

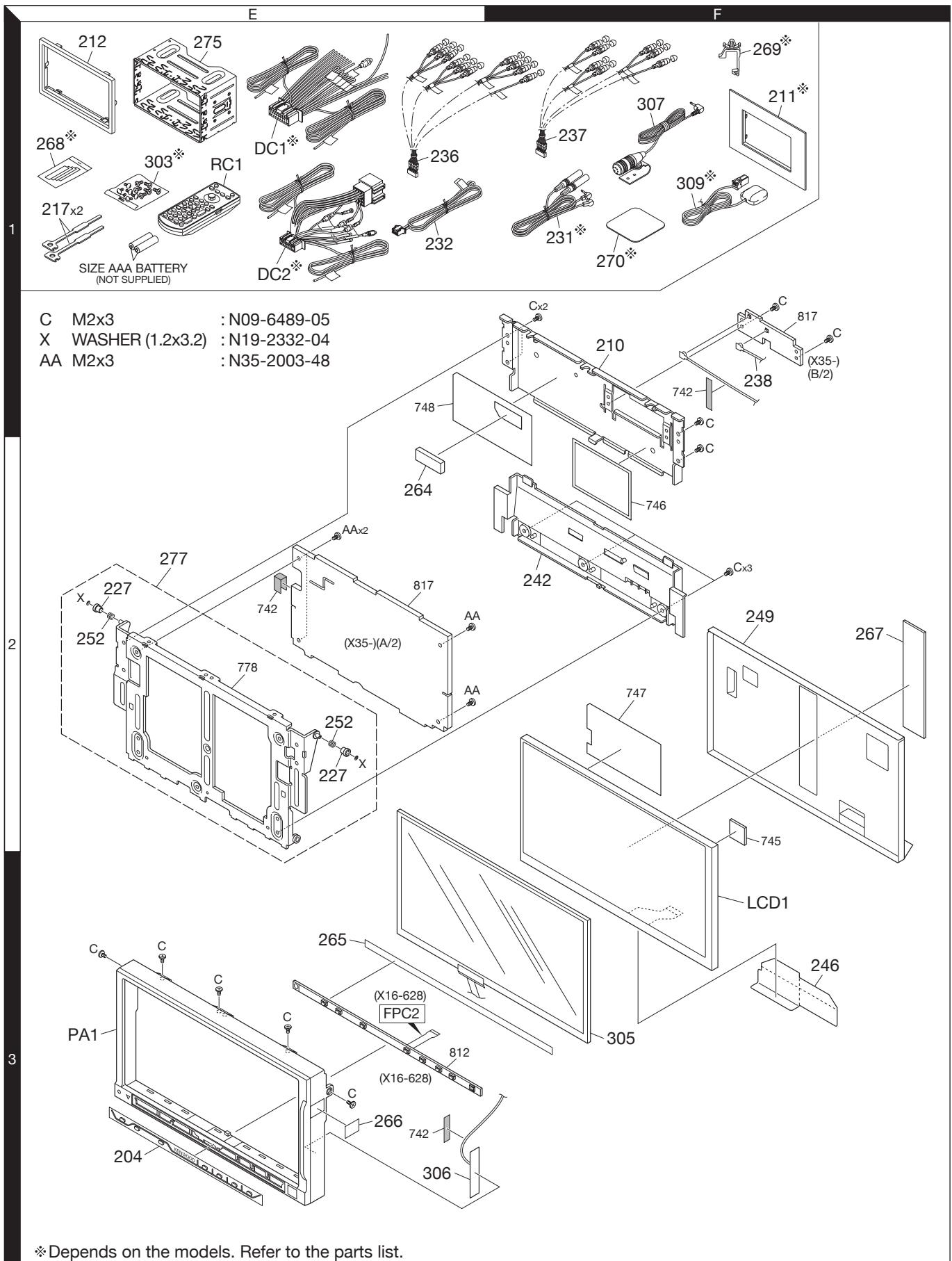


※ Depends on the models. Refer to the parts list.

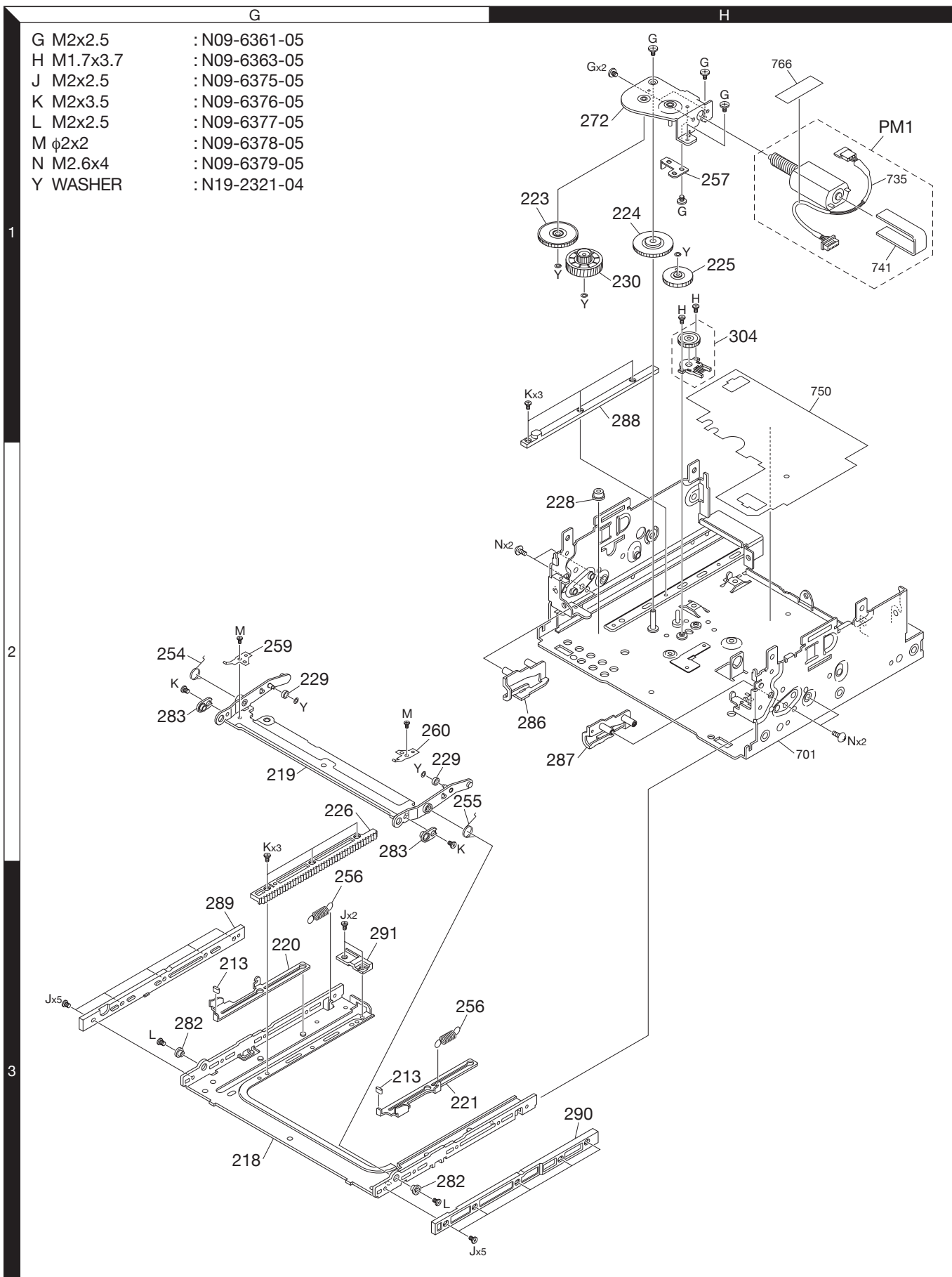
Parts with the exploded numbers larger than 700 are not supplied.



## EXPLODED VIEW (PANEL)



## EXPLODED VIEW (DRIVE MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

## PARTS LIST

\* New parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
<b>DDX8022BT/8022BTY/8032BT/8032BTM/812_DNX8120/8220BT</b>						221	3G		D10-4900-03	LEVER	
204	3E	*	A21-6665-03	DRESSING PANEL		223	1H		D13-2394-04	GEAR	
208	1D	*	A22-3169-01	SUB PANEL ASSY	K1E3	224	1H		D13-2395-04	GEAR	
208	1D	*	A22-3173-01	SUB PANEL ASSY	KM1M3	225	1H		D13-2396-04	GEAR	
208	1D	*	A22-3173-01	SUB PANEL ASSY	R1	226	3G		D13-2397-03	RACK (GEAR)	
208	1D	*	A22-3173-01	SUB PANEL ASSY	X1E1E2	227	2E		D14-1024-04	ROLLER	
209	1D		A52-0895-02	TOP PLATE		228	2H		D14-1010-04	ROLLER	
210	1F		A46-1862-02	REAR COVER		229	2G		D14-1011-14	ROLLER	
PA1	3E	*	A64-4493-01	PANEL ASSY	K1	230	1H		D19-0653-23	CLUTCH ASSY	
PA1	3E	*	A64-4494-01	PANEL ASSY	E3	231	1F		E30-6785-05	CORD WITH PLUG (IPOD VIDEO)	KR1K1
PA1	3E	*	A64-4504-01	PANEL ASSY	K	232	1E	*	E30-6786-05	CORD WITH PLUG (RELAY)	
PA1	3E	*	A64-4505-01	PANEL ASSY	R1	235	2D	*	E30-6790-05	CORD WITH PLUG (USB X2)	
PA1	3E	*	A64-4506-01	PANEL ASSY	E1E2	236	1F	*	E30-6791-05	CORD WITH PINPLUG (AV IN/OUT)	
PA1	3E	*	A64-4507-01	PANEL ASSY	M1M3	237	1F	*	E30-6793-05	CORD WITH PINPLUG (PREOUT)	
PA1	3E	*	A64-4508-01	PANEL ASSY	X1	238	2D	*	E30-6819-05	CORD WITH PLUG	
PME1	3C		A10-5300-41	CHASSIS ASSY		239	1D	*	E39-0915-05+	WIRING HARNESS	
RC1	1E		A70-2082-15	REMOTE CONTROLLER AS (RC-DV330)		240	2C	*	E39-0983-15	WIRING HARNESS	KM1M3
-		*	B54-4648-00	INSTALLATION MANU (ENG.FRE.SPA)	KR1K1	240	2C	*	E39-0983-15	WIRING HARNESS	R1
-		*	B54-4649-00	INSTALLATION MANUAL (POR.)	R1	240	2C	*	E39-0983-15	WIRING HARNESS	X1E1E2
-		*	B54-4650-00	INSTALLATION MANUAL (ENG.)	E1E2E3	241	2C	*	E39-0986-15	WIRING HARNESS	K1E3
-		*	B54-4651-00	INSTALLATION MANU (F.G.D.I.S.P)	E1E3	DC1	1E	*	E30-6824-05	DC CORD	KR1M1
-		*	B54-4652-00	INSTALLATION MA (ENG.S-CHI.KOR)	M1X1M3	DC1	1E	*	E30-6824-05	DC CORD	X1M3K1
-		*	B54-4663-00	INSTALLATION MANUAL (ARA.)	M3	DC2	1E	*	E30-6825-05	DC CORD	E1E2E3
-		*	B59-1880-00	SUB-INSTRUCTION MANUAL		FC1	2D	*	E39-1003-05	FLAT CABLE	
-		*	B64-4089-00	INSTRUCTION MANUAL (ENG.)	KR1K1	FC2	3D	*	E39-1023-05	FLAT CABLE	
-		*	B64-4090-00	INSTRUCTION MANUAL (FRE.)	KK1	FC3	3C	*	E39-1024-05	FLAT CABLE	
-		*	B64-4091-00	INSTRUCTION MANUAL (SPA.)	KR1K1	FC4	3D	*	E39-1025-05	FLAT CABLE	
-		*	B64-4092-00	INSTRUCTION MANUAL (POR.)	R1	FC5	3D	*	E39-1026-05	FLAT CABLE	K1E3
-		*	B64-4093-00	INSTRUCTION MANUAL (ENG.)	E1E2E3	FC6	2D	*	E39-1027-05	FLAT CABLE	
-		*	B64-4094-00	INSTRUCTION MANUAL (FRE.)	E1E3	242	2F		F07-1192-02	COVER	
-		*	B64-4095-00	INSTRUCTION MANUAL (GER.)	E1E3	243	2D		F09-2929-04	CAP (USB)	
-		*	B64-4096-00	INSTRUCTION MANUAL (DUT.)	E1E3	244	2D		F09-2932-04	SHEET	KM1M3
-		*	B64-4097-00	INSTRUCTION MANUAL (ITA.)	E1E3	244	2D		F09-2932-04	SHEET	R1
-		*	B64-4098-00	INSTRUCTION MANUAL (SPA.)	E1E3	244	2D		F09-2932-04	SHEET	X1E1E2
-		*	B64-4099-00	INSTRUCTION MANUAL (POR.)	E1E3	246	3F		F09-2958-04	SHEET	
-		*	B64-4100-00	INSTRUCTION MANUAL (ENG.)	M1X1M3	247	3D	*	F09-2972-04	SHEET	
-		*	B64-4101-00	INSTRUCTION MANUAL (S-CHI.)	M1	249	2F		F20-2432-03	INSULATING SHEET	
-		*	B64-4102-00	INSTRUCTION MANUAL (KOR.)	M1	△ F1	2C		F52-0007-05	FUSE (MINI BLADE TYPE) 15A	
-		*	B64-4110-00	INSTRUCTION MANUAL (ENG.)	K1	252	2E		G01-4659-04	COMPRESSION SPRING	
-		*	B64-4111-00	INSTRUCTION MANUAL (FRE.SPA.)	K1	254	2G		G01-3288-04	TORSION COIL SPRING	
-		*	B64-4112-00	INSTRUCTION MANUAL (ENG.)	E3	255	2G		G01-3289-04	TORSION COIL SPRING	
-		*	B64-4113-00	INSTRUCTION MANUA (FRE.GER.DUT)	E3	256	3G		G01-3290-04	EXTENSION SPRING	
-		*	B64-4114-00	INSTRUCTION MANUA (ITA.SPA.POR)	E3	257	1H		G02-1539-04	FLAT SPRING	
-		*	B64-4171-00	INSTRUCTION MANUAL (ARA.)	M3	259	2G		G02-1544-04	FLAT SPRING	
211	1F		B07-3172-12	ESCUTCHEON	KR1M1	260	2G		G02-1545-04	FLAT SPRING	
211	1F		B07-3172-12	ESCUTCHEON	X1M3K1	264	2E		G16-1688-04	SHEET	
212	1E		B07-3224-01	ESCUTCHEON		265	3E	*	G16-1713-14	SHEET	
213	3G		B09-0541-04	CAP		266	3E	*	G16-1702-04	SHEET	
LCD1	3F		B38-1199-05	LCD		267	2F		G16-1695-04	SHEET	
217	1E		D10-4589-04	LEVER		-		*	H54-4310-03	ITEM CARTON CASE	K1
218	3G		D10-4895-22	SLIDER ASSY		-		*	H54-4311-03	ITEM CARTON CASE	E3
219	2G		D10-4897-13	ARM ASSY		-		*	H54-4314-03	ITEM CARTON CASE	K
220	3G		D10-4899-03	LEVER		-		*	H54-4315-03	ITEM CARTON CASE	R1
						-		*	H54-4316-03	ITEM CARTON CASE	E1

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)

K : DDX812 K1 : DNX8120 (North America)

X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)

M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## DDX8022BT/8022BTY/8032BT/8032BTM/812\_DNX8120/8220BT

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
-		*	H54-4317-03	ITEM CARTON CASE	E2
-		*	H54-4318-03	ITEM CARTON CASE	M1X1
-		*	H54-4376-03	ITEM CARTON CASE	M3
268	1E		H30-0595-04	ADHESIVE DOUBLE-COATED TAPE	KR1M1
268	1E		H30-0595-04	ADHESIVE DOUBLE-COATED TAPE	X1M3K1
269	1F		J11-0660-05	CLAMPER	K1
270	1F		J21-9867-04	MOUNTING HARDWARE (GPS-BOTTOM)	K1E3
272	1H		J22-0444-13	MOUNTING HARDWARE ASSY	
275	1E		J22-0657-03	MOUNTING HARDWARE ASSY	
277	2E	*	J22-0751-02	MOUNTING HARDWARE ASSY	
282	3G		J31-1075-14	COLLAR (ARM COLLAR)	
283	2G		J31-1077-04	COLLAR (PANEL COLLAR)	
286	2H		J90-1124-13	GUIDE ASSY	
287	2H		J90-1126-13	GUIDE ASSY	
288	2H		J90-1128-03	RAIL	
289	3G		J90-1129-23	RAIL	
290	3H		J90-1130-23	RAIL	
291	3G		J90-1131-03	GUIDE	
293	3C		J90-1160-01	RAIL (L)	
294	3C		J90-1161-01	RAIL (R)	
FPC1	3D	*	J86-0051-05	FPC (LEAD FREE)	
303	1E		N99-1779-15	SCREW SET	KR1M1
303	1E		N99-1779-15	SCREW SET	X1M3K1
A	3C		N86-2605-48	BINDING HEAD TAPTITE SCREW	
AA	2D		N35-2003-48	BINDING HEAD MACHINE SCREW	
C	3E	*	N09-6489-05	MACHINE SCREW (M2.0X3.0)	
E	1D		N35-2604-43	BINDING HEAD MACHINE SCREW	
F	3C		N09-6490-05	STEPPED SCREW (PANEL SCREW)	
G	1H		N09-6361-05	MACHINE SCREW (M2X2.5)	
H	1H		N09-6363-05	MACHINE SCREW (M1.7X3.7)	
J	3G		N09-6375-05	MACHINE SCREW (M2X2.5)	
K	2G		N09-6376-05	MACHINE SCREW (M2X3.5)	
L	3G		N09-6377-05	MACHINE SCREW (M2X2.5)	
M	2G		N09-6378-05	TAPTITE SCREW (STITE 2X2)	
N	2H		N09-6379-05	MACHINE SCREW (M2.6X4 BIND)	
R	2C		N09-6491-05	MACHINE SCREW (M2.6X27)	
T	3C		N09-6493-05	MACHINE SCREW (M2.6X5)	
U	1D		N09-6494-05	MACHINE SCREW (M2.6X6)	
W	3C		N09-6425-15	MACHINE SCREW (M3.0X5)	
X	2E		N19-2332-04	FLAT WASHER (1.2X3.2X0.25)	
Y	1H		N19-2321-04	FLAT WASHER (1.6X4X0.25)	
304	1H		R31-0248-05	VARIABLE RESISTOR	
305	3F		S79-0854-05	SWITCH ASSY	
306	3E	*	T90-0588-05	ANTENNA ASSY	
PM1	1H		T42-1322-14	MOTOR ASSY	
307	1F	*	W01-1718-05	MICROPHONE	K1E3
308	2D	*	W02-5280-05	ELECTRIC CIRCUIT MODULE (BT)	K1
309	1F		W02-5305-05	ANTENNA MODULE (GPS-ANT)	E3
310	1D	*	W02-5309-05	NAVIGATION MODULE (NAVI-K)	
310	1D	*	W02-5310-15	NAVIGATION MODULE (NAVI-E)	
318	2D	*	X88-2030-10	DIGITAL I/O UNIT	
VME1	1D	*	X92-6180-01	DVD MECHANISM ASSY (DVS-8561V)	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
VIDEO CONTROL UNIT (X15-115x-xx)					
D514			B30-1767-05	LED	
C1			C90-5670-05	ELECTRO	2200UF 16WV
C2,3			CK73GB1H104K	CHIP C	0.10UF K
C4			CK73FB0J106K	CHIP C	10UF K
C5			CK73GB1H103K	CHIP C	0.010UF K
C6			CK73GB1H104K	CHIP C	0.10UF K
C7,8			CK73GB1H103K	CHIP C	0.010UF K
C9			CE32BF1C221M	CHIP EL	220UF 16WV
C19			CE32BF1E101M	CHIP EL	100UF 25WV
C38			CK73GB1H103K	CHIP C	0.010UF K
C39			CK73GB1H104K	CHIP C	0.10UF K
C40			CE32BF1E101M	CHIP EL	100UF 25WV
C41			CK73GB1C104K	CHIP C	0.10UF K
C42			CK73GB0J105K	CHIP C	1.0UF K
C53			CE32BJ1C470M	CHIP EL	47UF 16WV
C57			CE32BJ1C100M	CHIP EL	10UF 16WV
C58			CK73GB1H103K	CHIP C	0.010UF K
C59			CK73FB1E474K	CHIP C	0.47UF K
C94			CK73GB1A105K	CHIP C	1.0UF K
C95			CK73GB1C104K	CHIP C	0.10UF K
C96			CE32BF1C221M	CHIP EL	220UF 16WV
C97			CE32BJ1C101M	CHIP EL	100UF 16WV
C102			CK73GB1A105K	CHIP C	1.0UF K
C115			CE32BJ1C100M	CHIP EL	10UF 16WV
C122			CK73GB1H103K	CHIP C	0.010UF K
C124,125			CK73GB1A105K	CHIP C	1.0UF K
C128			CK73GB1A105K	CHIP C	1.0UF K
C129			CK73FB0J106K	CHIP C	10UF K
C133			CK73GB1C104K	CHIP C	0.10UF K
C134			CK73GB1A105K	CHIP C	1.0UF K
C137			CK73FB1C105K	CHIP C	1.0UF K
C200,201			CC73GCH1H101J	CHIP C	100PF J
C202			CK73GB1C473K	CHIP C	0.047UF K
C203,204			CK73GB1H102K	CHIP C	1000PF K
C205			CC73GCH1H221J	CHIP C	220PF J
C206			CC73GCH1H101J	CHIP C	100PF J
C207			CC73GCH1H470J	CHIP C	47PF J
C208			CK73GB1H103K	CHIP C	0.010UF K
C209			CK73GB1H223K	CHIP C	0.022UF K
C210			CK73GB1H103K	CHIP C	0.010UF K
C212,213			CK73GB1H102K	CHIP C	1000PF K
C214			CK73GB1C473K	CHIP C	0.047UF K
C215			CC73GCH1H221J	CHIP C	220PF J
C217			CK73GB1H102K	CHIP C	1000PF K
C218			CK73GB1C473K	CHIP C	0.047UF K
C219			CC73GCH1H221J	CHIP C	220PF J
C220			CC73GCH1H470J	CHIP C	47PF J
C221			CK73GB1H103K	CHIP C	0.010UF K
C222			CK73GB1H153K	CHIP C	0.015UF K
C224,225			CK73GB1H102K	CHIP C	1000PF K
C226			CC73GCH1H470J	CHIP C	47PF J
C227			CK73GB1C473K	CHIP C	0.047UF K

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)

K : DDX812 K1 : DNX8120 (North America)

X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)

M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.

## PARTS LIST

## VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C228			CK73GCH1H221J	CHIP C 220PF J		C304-306			CK73EB1E106K	CHIP C 10UF K	
C230			CK73GB1H223K	CHIP C 0.022UF K		C401			CK73HB1E103K	CHIP C 0.010UF K	
C231			CK73GB1H102K	CHIP C 1000PF K		C403,404			CK73HB1A104K	CHIP C 0.10UF K	
C232			CK73FB0J106K	CHIP C 10UF K		C405			CK73HB1E103K	CHIP C 0.010UF K	
C233			CK73GB1C104K	CHIP C 0.10UF K		C406			CC73HCH1H220J	CHIP C 22PF J	
C234			CK73GB1H104K	CHIP C 0.10UF K		C407			CC73HCH1H180J	CHIP C 18PF J	
C235			CK73EB1E225K	CHIP C 2.2UF K		C408			CK73HB0J105K	CHIP C 1.0UF K	
C236-238			CK73GB1H104K	CHIP C 0.10UF K		C409-415			CK73HB1A104K	CHIP C 0.10UF K	
C239,240			CK73GB1H103K	CHIP C 0.010UF K		C416-419			CC73HCH1H471J	CHIP C 470PF J	
C241			CK73GB1H104K	CHIP C 0.10UF K		C420			CK73HB0J105K	CHIP C 1.0UF K	
C242			CK73FB0J106K	CHIP C 10UF K		C421-426			CC73HCH1H101J	CHIP C 100PF J	
C243			CK73GB1C104K	CHIP C 0.10UF K		C427,428			CC73HCH1H100D	CHIP C 10PF D	
C244			CK73GB1H104K	CHIP C 0.10UF K		C429,430			CK73FB0J106K	CHIP C 10UF K	
C245			CK73EB1E225K	CHIP C 2.2UF K		C433			CK73GB1H103K	CHIP C 0.010UF K	
C246-248			CK73GB1H104K	CHIP C 0.10UF K		C434,435			CK73GB1H222K	CHIP C 2200PF K	
C249,250			CK73GB1H103K	CHIP C 0.010UF K		C500			CK73GB1C104K	CHIP C 0.10UF K	
C251			CK73GB1H104K	CHIP C 0.10UF K		C501,502			CC73GCH1H100D	CHIP C 10PF D	
C252			CK73GB1H103K	CHIP C 0.010UF K		C503			CK73GB1H104K	CHIP C 0.10UF K	K1E3
C253			CK73GB1H104K	CHIP C 0.10UF K		C505			CC73GCH1H100D	CHIP C 10PF D	
C254			CK73EB1E106K	CHIP C 10UF K		C506,507			CK73GB1A105K	CHIP C 1.0UF K	
C255			CK73GB1H103K	CHIP C 0.010UF K		C509			CC73GCH1H100D	CHIP C 10PF D	
C256			CK73GB1H104K	CHIP C 0.10UF K		C511,512			CK73GB1A105K	CHIP C 1.0UF K	
C257,258			CE32BQ1E680M	CHIP EL 68UF 25WV		C513			CC73GCH1H101J	CHIP C 100PF J	
C259			CK73GB1H104K	CHIP C 0.10UF K		C514			CE32BJ1C100M	CHIP EL 10UF 16WV	
C260			CK73GB1H103K	CHIP C 0.010UF K		C515			CK73GB1C104K	CHIP C 0.10UF K	
C261			CK73EB1E106K	CHIP C 10UF K		C517			CK73FB0J106K	CHIP C 10UF K	
C262			CK73GB1H102K	CHIP C 1000PF K		C518			CK73GB1H222K	CHIP C 2200PF K	
C263			CE32AV1A121M	CHIP EL 120UF 10WV		C520			CK73GB1H103K	CHIP C 0.010UF K	
C264			CK73GB1H103K	CHIP C 0.010UF K		C521			CE32BJ1C470M	CHIP EL 47UF 16WV	
C265,266			CK73GB1C104K	CHIP C 0.10UF K		C522,523			CK73GB0J475K	CHIP C 4.7UF K	
C267			CK73GB1H103K	CHIP C 0.010UF K		C524,525			CK73GB1C104K	CHIP C 0.10UF K	
C268			CE32AV0J221M	CHIP EL 220UF 6.3WV		C526-528			CK73GB1A474K	CHIP C 0.47UF K	
C269			CK73GB1H102K	CHIP C 1000PF K		C529			CK73GB1H102K	CHIP C 1000PF K	
C270			CK73GB1H103K	CHIP C 0.010UF K		C530			CK73GB1A474K	CHIP C 0.47UF K	
C271			CK73GB1H104K	CHIP C 0.10UF K		C531			CK73GB1C104K	CHIP C 0.10UF K	
C272,273			CK73GB1H102K	CHIP C 1000PF K		C533,534			CK73GB1H222K	CHIP C 2200PF K	
C274			CK73GB1H103K	CHIP C 0.010UF K		C535-538			CK73FB0J106K	CHIP C 10UF K	
C275			CK73GB1H104K	CHIP C 0.10UF K		C600			CK73GB1H103K	CHIP C 0.010UF K	
C276			CK73EB1E106K	CHIP C 10UF K		C601,602			CK73GB0J475K	CHIP C 4.7UF K	
C277			CK73GB1H103K	CHIP C 0.010UF K		C603-605			CK73GB0J105K	CHIP C 1.0UF K	
C278			CK73GB1H104K	CHIP C 0.10UF K		C606			CK73GB0J475K	CHIP C 4.7UF K	
C279			CE32BQ1E680M	CHIP EL 68UF 25WV		C607			CK73GB1H103K	CHIP C 0.010UF K	
C280			CE32BM1E470M	CHIP EL 47UF 25WV		C608			CK73GB0J475K	CHIP C 4.7UF K	
C281			CK73GB1H104K	CHIP C 0.10UF K		C609,610			CK73GB0J105K	CHIP C 1.0UF K	
C282			CK73GB1H102K	CHIP C 1000PF K		C611			CK73GB0J475K	CHIP C 4.7UF K	
C283			CE32AV0G331M	CHIP EL 330UF 4.0WV		C612			CK73GB0J105K	CHIP C 1.0UF K	
C284			CK73GB1H103K	CHIP C 0.010UF K		C613			CK73GB0J475K	CHIP C 4.7UF K	
C285,286			CK73GB1C104K	CHIP C 0.10UF K		C614-616			CK73GB1H103K	CHIP C 0.010UF K	
C287			CK73GB1H102K	CHIP C 1000PF K		C618,619			CK73FB0J106K	CHIP C 10UF K	
C288			CK73GB1H103K	CHIP C 0.010UF K		C620			CK73GB0J475K	CHIP C 4.7UF K	KM1M3
C289			CK73GB1H104K	CHIP C 0.10UF K		C620			CK73GB0J475K	CHIP C 4.7UF K	R1
C290			CK73GB1H103K	CHIP C 0.010UF K		C620			CK73GB0J475K	CHIP C 4.7UF K	X1E1E2
C291			C93-1367-05	CHIP C 10UF K		C621			CK73GB1C104K	CHIP C 0.10UF K	KM1M3
C293			CK73GB1H103K	CHIP C 0.010UF K		C621			CK73GB1C104K	CHIP C 0.10UF K	R1
C294			CE32AV0J221M	CHIP EL 220UF 6.3WV		C621			CK73GB1C104K	CHIP C 0.10UF K	X1E1E2

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△ Indicates safety critical components.



## PARTS LIST

## VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	Added	New	Parts No.	Description	Destination	Ref. No.	Added	New	Parts No.	Description	Destination
C622 C623,624 C625 C627 C628			CK73FB0J106K CK73GB1C104K CK73GB1H222K CK73GB1H222K CK73GB1C104K	CHIP C 10UF K CHIP C 0.10UF K CHIP C 2200PF K CHIP C 2200PF K CHIP C 0.10UF K	KM1M3	L4 L200 L201,202 L203 L204		*	L33-2475-05 L33-2370-05 L33-2369-05 L33-2455-05 L33-2369-05	CHOKE COIL 22UH CHOKE COIL 10UH CHOKE COIL 10UH CHOKE COIL 10UH CHOKE COIL 10UH	K1E3
C628 C628 C630 C633 C634			CK73GB1C104K CK73GB1C104K CK73GB1H222K CK73GB1A105K CK73GB1H222K	CHIP C 0.10UF K CHIP C 0.10UF K CHIP C 2200PF K CHIP C 1.0UF K CHIP C 2200PF K	R1 X1E1E2	L205,206 L207 L401,402 L850 X400			L33-2455-05 L33-2417-05 L92-0332-05 L33-2369-05 L77-2921-05	CHOKE COIL 10UH CHOKE COIL 10UH CHIP FERRITE CHOKE COIL CRYSTAL RESONATOR (32.768KHZ)	
C635 C636,637 C638 C640,641 C650			CK73GB1A105K CE32BJ1C220M CK73GB1A105K CK73GB1A105K CK73GB1H222K	CHIP C 1.0UF K CHIP EL 22UF 16WV CHIP C 1.0UF K CHIP C 1.0UF K CHIP C 2200PF K		X401 Q CP401,402 CP404 CP406 R1 R2		*	L77-2975-05 N09-6498-05 RK74HB1J101J RK74HB1J101J RK74HB1J101J RK73GH2A104D RK73GH2A513D	CRYSTAL RESONATOR (11.0592MHZ) MACHINE SCREW (M3.0X11) CHIP-COM 100 J 1/16W CHIP-COM 100 J 1/16W CHIP-COM 100 J 1/16W CHIP R 100K D 1/10W CHIP R 51K D 1/10W	
C700-702 C703,704 C705 C706 C708			CK73GB1H103K CK73GB1C104K CK73GB1H103K CK73GB1C104K CK73GB1H222K	CHIP C 0.010UF K CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 0.10UF K CHIP C 2200PF K		R3 R4,5 R6 R7 R8			RK73GH2A333D RK73GH2A334D RK73GB2A823J RK73GB2A103J RK73GH2A113D	CHIP R 33K D 1/10W CHIP R 330K D 1/10W CHIP R 82K J 1/10W CHIP R 10K J 1/10W CHIP R 11K D 1/10W	
C709 C710,711 C712 C713-716 C850			CE32BF1E101M CK73GB1H103K CK73FB0J106K CK73GB1H222K CK73FB1A225K	CHIP EL 100UF 25WV CHIP C 0.010UF K CHIP C 10UF K CHIP C 2200PF K CHIP C 2.2UF K		R9,10 R11 R12 R13 R14,15			RK73GB2A224J RK73GH2A104D RK73GB2A100J RK73GH2A683D RK73GB2A224J	CHIP R 220K J 1/10W CHIP R 100K D 1/10W CHIP R 10 J 1/10W CHIP R 68K D 1/10W CHIP R 220K J 1/10W	
C851-854 C855 C856 C857 C858			CK73GB1C104K CK73FB0J106K CK73GB1C104K CK73FB0J106K CE32BF1C101M	CHIP C 0.10UF K CHIP C 10UF K CHIP C 0.10UF K CHIP C 10UF K CHIP EL 100UF 16WV		R16 R17 R18 R20 R23			RK73GB2A000J RK73GB2A224J RK73GB2A333J RK73GB2A100J RK73GB2A224J	CHIP R 0.0 J 1/10W CHIP R 220K J 1/10W CHIP R 33K J 1/10W CHIP R 10 J 1/10W CHIP R 220K J 1/10W	
C859,860 C861 C862-868 C869 C870-873			CK73GB1C104K CC73GCH1H101J CK73GB1H103K CK73FB0J106K CK73GB1H222K	CHIP C 0.10UF K CHIP C 100PF J CHIP C 0.010UF K CHIP C 10UF K CHIP C 2200PF K		R24 R25 R34 R35 R38			RK73GB2A304J RK73GB2A224J RK73GB2A202J RK73GB2A101J RK73GB2A154J	CHIP R 300K J 1/10W CHIP R 220K J 1/10W CHIP R 2.0K J 1/10W CHIP R 100 J 1/10W CHIP R 150K J 1/10W	
CN3 CN500 CN501 CN502 CN503		*	E41-2771-05 E41-2248-05 E41-1476-05 E41-1486-05 E41-2956-05	PIN ASSY PIN ASSY PIN ASSY PIN ASSY SOCKET FOR PIN ASSY		R43 R44 R50 R57 R58			RK73GB2A164J RK73FB2B000J RK73GB2A224J RK73GB2A563J RK73GB2A224J	CHIP R 160K J 1/10W CHIP R 0.0 J 1/8W CHIP R 220K J 1/10W CHIP R 56K J 1/10W CHIP R 220K J 1/10W	
CN504 CN700 CN701 CN850 CN851		*	E41-2957-05 E41-2608-05 E41-2979-05 E41-2735-05 E41-2980-05	SOCKET FOR PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY FLAT CABLE CONNECTOR		R65 R66 R67 R69 R70			RK73GB2A302J RK73GB2A101J RK73FB2B000J RK73GB2A332J RK73GH2A113D	CHIP R 3.0K J 1/10W CHIP R 100 J 1/10W CHIP R 0.0 J 1/8W CHIP R 3.3K J 1/10W CHIP R 11K D 1/10W	
CN852 J500,501 J502			E41-2979-05 E11-0625-05 E11-0656-05	FLAT CABLE CONNECTOR PHONE JACK (LGY6502-0900) PHONE JACK (3.5D YELLOW)		R71 R72 R73 R74 R75			RK73GB2A272J RK73FB2B000J RK73GH2A113D RK73GB2A000J RK73GB2A302J	CHIP R 2.7K J 1/10W CHIP R 0.0 J 1/8W CHIP R 11K D 1/10W CHIP R 0.0 J 1/10W CHIP R 3.0K J 1/10W	
320 F3 F700	2D		F09-2923-05 F53-0297-05 F53-0297-05	FAN FUSE (UL,CSA) 1.6A FUSE (UL,CSA) 1.6A		R76			RK73GB2A101J	CHIP R 100 J 1/10W	
L1 L2 L3			L33-2358-05 L41-4795-33 L33-2369-05	CHOKE COIL SMALL FIXED INDUCTOR (4.7U) CHOKE COIL 10UH							

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R77			RK73GB2A000J	CHIP R 0.0 J 1/10W		R302			RK73EB2E100J	CHIP R 10 J 1/4W	
R87			RK73GB2A000J	CHIP R 0.0 J 1/10W		R304			R92-5159-05	CHIP R 0.033 J 1/4W	
R88			RK73GB2A332J	CHIP R 3.3K J 1/10W		R306,307			R92-5158-05	CHIP R 0.022 J 1/4W	
R90			RK73GH2A113D	CHIP R 11K D 1/10W		R308-311			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R91			RK73GB2A272J	CHIP R 2.7K J 1/10W		R312			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R92			RK73GH2A113D	CHIP R 11K D 1/10W		R314			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R93			RK73GB2A000J	CHIP R 0.0 J 1/10W		R400,401			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R94			RK73GB2A473J	CHIP R 47K J 1/10W		R402			RK73HB1J103J	CHIP R 10K J 1/16W	
R95			RK73GB2A562J	CHIP R 5.6K J 1/10W		R403			RK73HB1J473J	CHIP R 47K J 1/16W	
R96			RK73GB2A472J	CHIP R 4.7K J 1/10W		R405			RK73HB1J103J	CHIP R 10K J 1/16W	
R97			RK73GB2A561J	CHIP R 560 J 1/10W		R407			RK73HB1J103J	CHIP R 10K J 1/16W	K1E3
R98			RK73GB2A000J	CHIP R 0.0 J 1/10W		R408-410			RK73HB1J103J	CHIP R 10K J 1/16W	R1E1E2
R100			RK73GB2A000J	CHIP R 0.0 J 1/10W		R408-410			RK73HB1J103J	CHIP R 10K J 1/16W	X1
R101			RK73GB2A202J	CHIP R 2.0K J 1/10W		R408-411			RK73HB1J103J	CHIP R 10K J 1/16W	M1M3
R103			RK73GB2A101J	CHIP R 100 J 1/10W		R408,409			RK73HB1J103J	CHIP R 10K J 1/16W	K
R105			RK73GB2A000J	CHIP R 0.0 J 1/10W		R409			RK73HB1J103J	CHIP R 10K J 1/16W	K1
R200			RK73GB2A000J	CHIP R 0.0 J 1/10W		R409,410			RK73HB1J103J	CHIP R 10K J 1/16W	E3
R203-205			RK73GH2A561D	CHIP R 560 D 1/10W		R411			RK73HB1J103J	CHIP R 10K J 1/16W	KK1
R208			RK73GB2A000J	CHIP R 0.0 J 1/10W		R411			RK73HB1J303J	CHIP R 30K J 1/16W	X1
R210			RK73GB2A333J	CHIP R 33K J 1/10W		R411			RK73HB1J332J	CHIP R 3.3K J 1/16W	E1E2E3
R215			RK73GB2A683J	CHIP R 68K J 1/10W		R412			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R218			RK73GB2A103J	CHIP R 10K J 1/10W		R413,414			RK73HB1J101J	CHIP R 100 J 1/16W	
R222			RK73GH2A622D	CHIP R 6.2K D 1/10W		R416-418			RK73HB1J473J	CHIP R 47K J 1/16W	
R233			RK73GH2A912D	CHIP R 9.1K D 1/10W		R419			RK73GB2A101J	CHIP R 100 J 1/10W	
R234			RK73GH2A333D	CHIP R 33K D 1/10W		R420			RK73HB1J473J	CHIP R 47K J 1/16W	
R238			RK73GH2A561D	CHIP R 560 D 1/10W		R422			RK73HB1J473J	CHIP R 47K J 1/16W	
R240			RK73GB2A000J	CHIP R 0.0 J 1/10W		R423			RK73HB1J104J	CHIP R 100K J 1/16W	
R243			RK73GB2A000J	CHIP R 0.0 J 1/10W		R425			RK73HB1J331J	CHIP R 330 J 1/16W	
R245			RK73GH2A681D	CHIP R 680 D 1/10W		R426			RK73HB1J223J	CHIP R 22K J 1/16W	
R246			RK73GH2A562D	CHIP R 5.6K D 1/10W		R427-433			RK73HB1J101J	CHIP R 100 J 1/16W	
R247			RK73GH2A333D	CHIP R 33K D 1/10W		R434			RK73HB1J473J	CHIP R 47K J 1/16W	
R248-250			RK73GB2A000J	CHIP R 0.0 J 1/10W		R435-437			RK73HB1J101J	CHIP R 100 J 1/16W	
R257			RK73GH2A561D	CHIP R 560 D 1/10W		R438			RK73HB1J123J	CHIP R 12K J 1/16W	
R258			RK73GB2A683J	CHIP R 68K J 1/10W		R439			RK73HB1J103J	CHIP R 10K J 1/16W	
R266			RK73GB2A103J	CHIP R 10K J 1/10W		R440			RK73HB1J473J	CHIP R 47K J 1/16W	
R268			RK73GH2A103D	CHIP R 10K D 1/10W		R441-452			RK73HB1J101J	CHIP R 100 J 1/16W	
R273			RK73GH2A333D	CHIP R 33K D 1/10W		R453,454			RK73HB1J473J	CHIP R 47K J 1/16W	
R274,275			RK73GB2A000J	CHIP R 0.0 J 1/10W		R455-457			RK73HB1J101J	CHIP R 100 J 1/16W	
R276			RK73GH2A391D	CHIP R 390 D 1/10W		R458			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R277			RK73GB2A683J	CHIP R 68K J 1/10W		R459			RK73HB1J101J	CHIP R 100 J 1/16W	
R278			RK73GH2A562D	CHIP R 5.6K D 1/10W		R460			RK73HB1J473J	CHIP R 47K J 1/16W	
R280			RK73GH2A333D	CHIP R 33K D 1/10W		R461			RK73HB1J104J	CHIP R 100K J 1/16W	
R281			RK73GB2A000J	CHIP R 0.0 J 1/10W		R462-464			RK73HB1J101J	CHIP R 100 J 1/16W	
R283,284			RK73GB2A000J	CHIP R 0.0 J 1/10W		R465			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R285			RK73GB2A220J	CHIP R 22 J 1/10W		R466			RK73HB1J104J	CHIP R 100K J 1/16W	
R286,287			RK73GB2A000J	CHIP R 0.0 J 1/10W		R467,468			RK73HB1J473J	CHIP R 47K J 1/16W	
R288			RK73EB2E100J	CHIP R 10 J 1/4W		R469			RK73HB1J103J	CHIP R 10K J 1/16W	
R289,290			RK73GB2A220J	CHIP R 22 J 1/10W		R470-473			RK73HB1J101J	CHIP R 100 J 1/16W	
R291			RK73GB2A000J	CHIP R 0.0 J 1/10W		R474			RK73GB2A100J	CHIP R 10 J 1/10W	
R293			RK73EB2E100J	CHIP R 10 J 1/4W		R475			RK73HB1J101J	CHIP R 100 J 1/16W	
R294			RK73GB2A000J	CHIP R 0.0 J 1/10W		R476			RK73HB1J103J	CHIP R 10K J 1/16W	
R295			RK73GB2A220J	CHIP R 22 J 1/10W		R477			RK73HB1J152J	CHIP R 1.5K J 1/16W	
R296,297			R92-5160-05	CHIP R 0.047 J 1/4W		R478-480			RK73HB1J101J	CHIP R 100 J 1/16W	
R298,299			RK73EB2E100J	CHIP R 10 J 1/4W		R481			RK73HB1J104J	CHIP R 100K J 1/16W	
R300			R92-5158-05	CHIP R 0.022 J 1/4W		R482			RK73HB1J000J	CHIP R 0.0 J 1/16W	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	Added	New	Parts No.	Description	Destination
R483-485 R486 R490 R491,492 R496			RK73HB1J101J RK73HB1J000J RK73HB1J104J RK73HB1J101J RK73HB1J104J	CHIP R 100 J 1/16W CHIP R 0.0 J 1/16W CHIP R 100K J 1/16W CHIP R 100 J 1/16W CHIP R 100K J 1/16W	
R497,498 R499 R500,501 R502 R503			RK73HB1J473J RK73HB1J103J RK73GB2A104J RK73GB2A101J RK73GB2A100J	CHIP R 47K J 1/16W CHIP R 10K J 1/16W CHIP R 100K J 1/10W CHIP R 100 J 1/10W CHIP R 10 J 1/10W	K1E3
R505 R506 R507 R508,509 R511			RK73GB2A104J RK73GB2A101J RK73GB2A100J RK73GB2A223J RK73GB2A104J	CHIP R 100K J 1/10W CHIP R 100 J 1/10W CHIP R 10 J 1/10W CHIP R 22K J 1/10W CHIP R 100K J 1/10W	K1E3 K1E3
R515 R516,517 R518 R519 R520			RK73GB2A104J RK73GB2A223J RK73GB2A131J RK73GB2A222J RK73GB2A000J	CHIP R 100K J 1/10W CHIP R 22K J 1/10W CHIP R 130 J 1/10W CHIP R 2.2K J 1/10W CHIP R 0.0 J 1/10W	
R521 R522 R523 R524,525 R526			RK73GB2A101J RK73GB2A473J RK73GB2A104J RK73GB2A101J RK73GB2A473J	CHIP R 100 J 1/10W CHIP R 47K J 1/10W CHIP R 100K J 1/10W CHIP R 100 J 1/10W CHIP R 47K J 1/10W	K1E3
R527 R528 R529 R530-532 R533			RK73EB2E101J RK73FB2B101J RK73GB2A750J RK73EB2E100J RK73GB2A223J	CHIP R 100 J 1/4W CHIP R 100 J 1/8W CHIP R 75 J 1/10W CHIP R 10 J 1/4W CHIP R 22K J 1/10W	
R534 R535 R536 R537 R538			RK73GB2A473J RK73GB2A101J RK73EB2E100J RK73GB2A223J RK73GB2A473J	CHIP R 47K J 1/10W CHIP R 100 J 1/10W CHIP R 10 J 1/4W CHIP R 22K J 1/10W CHIP R 47K J 1/10W	
R539 R540 R541,542 R544,545 R546			RK73EB2E101J RK73GB2A101J RK73GB2A473J RK73GB2A101J RK73HB1J101J	CHIP R 100 J 1/4W CHIP R 100 J 1/10W CHIP R 47K J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/16W	
R547 R548,549 R551,552 R553 R554			RK73EB2E101J RK73GB2A101J RK73HB1J000J RK73HB1J472J RK73HB1J103J	CHIP R 100 J 1/4W CHIP R 100 J 1/10W CHIP R 0.0 J 1/16W CHIP R 4.7K J 1/16W CHIP R 10K J 1/16W	
R555 R556,557 R558 R559 R560			RK73HB1J473J RK73GB2A473J RK73GB2A103J RK73GB2A223J RK73GB2A181J	CHIP R 47K J 1/16W CHIP R 47K J 1/10W CHIP R 10K J 1/10W CHIP R 22K J 1/10W CHIP R 180 J 1/10W	
R561,562 R564,565 R566-570 R571,572 R573			RK73GB2A473J RK73HB1J101J RK73HB1J473J RK73GB2A202J RK73GB2A911J	CHIP R 47K J 1/10W CHIP R 100 J 1/16W CHIP R 47K J 1/16W CHIP R 2.0K J 1/10W CHIP R 910 J 1/10W	
Ref. No.	Added	New	Parts No.	Description	Destination
R600-602 R603 R604 R605 R606			RK73GH2A102D RK73GB2A105J RK73GB2A000J RK73GB2A105J RK73GH2A102D	CHIP R 1.0K D 1/10W CHIP R 1.0M J 1/10W CHIP R 0.0 J 1/10W CHIP R 1.0M J 1/10W CHIP R 1.0K D 1/10W	
R607-609 R610,611 R612 R613 R614			RK73GB2A105J RK73GB2A000J RK73GH2A102D RK73GB2A101J RK73GB2A751J	CHIP R 1.0M J 1/10W CHIP R 0.0 J 1/10W CHIP R 1.0K D 1/10W CHIP R 100 J 1/10W CHIP R 750 J 1/10W	
R615 R616 R617 R618 R619			RK73GB2A105J RK73GH2A102D RK73GB2A102J RK73GB2A101J RK73GB2A751J	CHIP R 1.0M J 1/10W CHIP R 1.0K D 1/10W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 750 J 1/10W	
R620 R622,623 R626 R627-629 R630,631			RK73GB2A105J RK73GB2A105J RK73GB2A102J RK73GB2A105J RK73GB2A101J	CHIP R 1.0M J 1/10W CHIP R 1.0M J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.0M J 1/10W CHIP R 100 J 1/10W	
R632 R633,634 R635 R636,637 R638			RK73GB2A751J RK73GB2A101J RK73GB2A102J RK73GB2A4R7J RK73GB2A000J	CHIP R 750 J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W CHIP R 4.7 J 1/10W CHIP R 0.0 J 1/10W	K1E3
R639 R640 R641-643 R645 R645			RK73GB2A101J RK73GB2A000J RK73GB2A272J RK73GB2A202J RK73GB2A202J	CHIP R 100 J 1/10W CHIP R 0.0 J 1/10W CHIP R 2.7K J 1/10W CHIP R 2.0K J 1/10W CHIP R 2.0K J 1/10W	KM1M3 R1
R645 R646 R647,648 R649 R650			RK73GB2A202J RK73GB2A473J RK73GB2A101J RK73GB2A473J RK73GB2A101J	CHIP R 2.0K J 1/10W CHIP R 47K J 1/10W CHIP R 100 J 1/10W CHIP R 47K J 1/10W CHIP R 100 J 1/10W	X1E1E2
R651,652 R653 R654,655 R656 R656			RK73GB2A000J RK73GB2A473J RK73GB2A103J RK73GB2A562J RK73GB2A562J	CHIP R 0.0 J 1/10W CHIP R 47K J 1/10W CHIP R 10K J 1/10W CHIP R 5.6K J 1/10W CHIP R 5.6K J 1/10W	KM1M3 R1
R656 R657,658 R657,658 R657,658 R658			RK73GB2A562J RK73GB2A101J RK73GB2A101J RK73GB2A101J RK73GB2A101J	CHIP R 5.6K J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/10W	X1E1E2 KM1M3 R1 X1E1E2 K1E3
R660 R661-663 R664 R665 R666			RK73GB2A103J RK73GB2A000J RK73GH2A151D RK73GB2A101J RK73GB2A000J	CHIP R 10K J 1/10W CHIP R 0.0 J 1/10W CHIP R 150 D 1/10W CHIP R 100 J 1/10W CHIP R 0.0 J 1/10W	
R669 R670 R676 R677 R678		*	RK73HB1J561J RK73HB1J102J RK73GB2A102J RK73GH2A820D RK73GB2A103J	CHIP R 560 J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/10W CHIP R 82 D 1/10W CHIP R 10K J 1/10W	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△Indicates safety critical components.

## PARTS LIST

## VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R681			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC505			TC4052BFT	MOS-IC	
R689			RK73GB2A101J	CHIP R 100 J 1/10W		IC600,601			NJM2286V-ZB	ANALOGUE IC	
R702			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC604	*		74AHC1GU04GW	MOS-IC	KM1M3
R703,704			RK73GB2A100J	CHIP R 10 J 1/10W		IC604	*		74AHC1GU04GW	MOS-IC	R1
R705			RK73EB2E000J	CHIP R 0.0 J 1/4W		IC604	*		74AHC1GU04GW	MOS-IC	X1E1E2
R706-708			RK73GB2A101J	CHIP R 100 J 1/10W		IC606			TC7WH157FU-F	MOS-IC	
R710			RK73GB2A331J	CHIP R 330 J 1/10W		IC608			74LVC3G34DP	MOS-IC	
R711			RK73GB2A100J	CHIP R 10 J 1/10W		IC609			AN15885A-VF	ANALOGUE IC	
R712			RK73GB2A101J	CHIP R 100 J 1/10W		IC612	*		74AHC1GU04GW	MOS-IC	KM1M3
R713			RK73GB2A221J	CHIP R 220 J 1/10W		IC612	*		74AHC1GU04GW	MOS-IC	R1
R714-725			RK73GB2A101J	CHIP R 100 J 1/10W		IC612	*		74AHC1GU04GW	MOS-IC	X1E1E2
R726			RK73GB2A000J	CHIP R 0.0 J 1/10W		IC700			LB1836M-TLM-E	ANALOGUE IC	
R727,728			RK73GB2A100J	CHIP R 10 J 1/10W		Q1			DTC144EUA	DIGITAL TRANSISTOR	
R729			RK73GB2A101J	CHIP R 100 J 1/10W		Q2			2SA1576A	TRANSISTOR	
R839-842			RK73GB2A101J	CHIP R 100 J 1/10W		Q3			DTC114YUA	DIGITAL TRANSISTOR	
R853			RK73GB2A471J	CHIP R 470 J 1/10W		Q4			2SC4081	TRANSISTOR	
R854			RK73GB2A473J	CHIP R 47K J 1/10W		Q5			2SA1576A	TRANSISTOR	
R856			RK73GB2A473J	CHIP R 47K J 1/10W		Q11			DTC114YUA	DIGITAL TRANSISTOR	
R858			RK73GB2A471J	CHIP R 470 J 1/10W		Q12			DTA114TUA	DIGITAL TRANSISTOR	
R859			RK73GB2A101J	CHIP R 100 J 1/10W		Q13			2SA1576A	TRANSISTOR	
R860,861			RK73GB2A100J	CHIP R 10 J 1/10W		Q14			2SC4081	TRANSISTOR	
R862			RK73GB2A101J	CHIP R 100 J 1/10W		Q15			TPC8110-F	FET	
R863			RK73GB2A470J	CHIP R 47 J 1/10W		Q16			2SA1576A	TRANSISTOR	
R909			RK73FB2B000J	CHIP R 0.0 J 1/8W		Q17			2SC4081	TRANSISTOR	
R999			RK73GB2A000J	CHIP R 0.0 J 1/10W	K1E3	Q18			DTA114EUA	DIGITAL TRANSISTOR	
D2			1SR154-400	DIODE		Q19,20			2SC4617	TRANSISTOR	
D3			EP05Q04	DIODE		Q21			2SB1184	TRANSISTOR	
D200-203			1SS357-F	DIODE		Q22			2SC4617	TRANSISTOR	
D501			DAP202U	DIODE		Q23			2SA1774	TRANSISTOR	
D504			AVRM16180M6AB	VARISTOR		Q28			2SB1184	TRANSISTOR	
D505,506			AVRM16120M6AB	VARISTOR		Q29			2SC4081	TRANSISTOR	
D507			AVRM16180M6AB	VARISTOR		Q31			2SC4081	TRANSISTOR	
D511			AVRM16120M6AB	VARISTOR		Q32			2SA1576A	TRANSISTOR	
D512,513			AVRM16270MAAB	VARISTOR		Q35			2SB1184	TRANSISTOR	
D700,701			AVRM16180M6AB	VARISTOR		Q37			2SC4081	TRANSISTOR	
D702-710			AVRM16120M6AB	VARISTOR		Q38			2SA1576A	TRANSISTOR	
D850			DAP202U	DIODE		Q39			2SC4081	TRANSISTOR	
D851			02DZ9.1F-Z	ZENER DIODE		Q44			2SB1689	TRANSISTOR	
IC3			SI-3050LUS	ANALOGUE IC		Q45			DTC114YUA	DIGITAL TRANSISTOR	
IC4			R1114N331B-TR	ANALOGUE IC (3.3V LF)		Q46			2SC4081	TRANSISTOR	
IC8			XC6219B332PR	ANALOGUE IC		Q47			2SB1184	TRANSISTOR	
IC200,201			LTC3728LEGN	ANALOGUE IC		Q48			2SB1689	TRANSISTOR	
IC400			W05-1260-00	ROM IC	KK1	Q49			DTC114YUA	DIGITAL TRANSISTOR	
IC400			W05-1261-00	ROM IC	E1E2E3	Q200			DTC144EUA	DIGITAL TRANSISTOR	
IC400			W05-1261-00	ROM IC	M3	Q201			DTC114YUA	DIGITAL TRANSISTOR	
IC400			W05-1262-00	ROM IC	M1	Q202-204			DTC144EUA	DIGITAL TRANSISTOR	
IC400			W05-1263-00	ROM IC	R1X1	Q205-208			HAT2218R-E	DUAL FET	
IC402			S-80835CNNB-G	MOS-IC		Q400			2SA1576A	TRANSISTOR	
IC404		*	30878MJBA24GP	MICROCONTROLLER IC		Q402			DTC144EUA	DIGITAL TRANSISTOR	
IC405			74AHCT1G08GW	MOS-IC		Q403			DTA114YUA	DIGITAL TRANSISTOR	
IC500			NJM4565V-ZB	ANALOGUE IC		Q404			DTC114YUA	DIGITAL TRANSISTOR	
IC501			NJM2505AF-ZB	ANALOGUE IC		Q500			DTA114YUA	DIGITAL TRANSISTOR	K1E3
IC502			TC4052BFT	MOS-IC		Q501			2SA1576A	TRANSISTOR	K1E3
IC503		*	74AHC2G126DP	MOS-IC		Q502-505			DTC114YUA	DIGITAL TRANSISTOR	K1E3
IC504			NJM2794RB2ZB	ANALOGUE IC		Q502,503			DTC114YUA	DIGITAL TRANSISTOR	KM1M3

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

PARTS LIST

VIDEO CONTROL UNIT (X15-115x-xx)

Ref. No.	Added	New	Parts No.	Description	Destination
Q502,503 Q502,503 Q505 Q505 Q505			DTC114YUA DTC114YUA DTC114YUA DTC114YUA DTC114YUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	R1 X1E1E2 KM1M3 R1 X1E1E2
Q506 Q507,508 Q509 Q510 Q600-602			2SC4081 DTC114YUA 2SA1576A 2SC4081 2SA1576A	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
Q603-605 Q606 Q700 Q850,851 Q852			2SC4081 2SA1576A 2SA1576A DTC643TU DTA114YUA	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	
SWITCH UNIT (X16-6280-10)					
D1-21 D22		*	B30-1795-05 B30-1566-05	LED (1608 BLUE) LED (1608 RED)	
C1,2			CK73GB1A105K	CHIP C 1.0UF K	
FPC2	3E	*	J86-0050-15	FPC (LEAD FREE)	
S1 S2-8		*	S70-0948-05 S70-0950-05	TACT SWITCH TACT SWITCH	
D51-73 IC1			AVRM16120M6AB GP1US301XP	VARISTOR ANALOGUE IC	
SUB-CIRCUIT UNIT (X16-6360-10)					
C1			CK73GB1A105K	CHIP C 1.0UF K	K1E3
CN1 J1		*	E41-2451-05 E68-0025-05	FLAT CABLE CONNECTOR JACK (SD CARD SLOT)	K1E3 K1E3
PROCESSOR UNIT (X17-2030-10)					
C1 C2 C3-5 C6-8 C9			CK73HB1H102K CE32CL1C100M CK73EB1C106K CE32BJ1C100M CK73HB1E103K	CHIP C 1000PF K CHIP EL 10UF 16WV CHIP C 10UF K CHIP EL 10UF 16WV CHIP C 0.010UF K	
C10 C11-13 C14 C15-17 C18,19			CC73HCH1H681J CC73HCH1H181J CK73HB1H332K CC73HCH1H331J CK73HB1E103K	CHIP C 680PF J CHIP C 180PF J CHIP C 3300PF K CHIP C 330PF J CHIP C 0.010UF K	
C20,21 C22,23 C24,25 C26,27 C30,31			CE32BJ1C220M CC73HCH1H181J CC73HCH1H331J CK73HB1E103K CE32BJ1C100M	CHIP EL 22UF 16WV CHIP C 180PF J CHIP C 330PF J CHIP C 0.010UF K CHIP EL 10UF 16WV	
C32,33 C34 C35 C36 C37			CK73EB1C106K CE32CL1C100M CK73EB1C106K CE32CL1C100M CK73HB1A104K	CHIP C 10UF K CHIP EL 10UF 16WV CHIP C 10UF K CHIP EL 10UF 16WV CHIP C 0.10UF K	
C38 C39-41			CK73GB1H104K CK73HB1A104K	CHIP C 0.10UF K CHIP C 0.10UF K	
C42 C43 C44 C45 C46			CE32BJ1C100M CK73HB1A104K CE32CL1C100M CE32BJ1C100M CK73HB1A104K	CHIP EL 10UF 16WV CHIP C 0.10UF K CHIP EL 10UF 16WV CHIP EL 10UF 16WV CHIP C 0.10UF K	
C47,48 C49,50 C51-54 C55 C56-58			CK73FB0J226M CC73HCH1H150J CK73HB1A104K CK73FB0J106K CK73HB1A104K	CHIP C 22UF M CHIP C 15PF J CHIP C 0.10UF K CHIP C 10UF K CHIP C 0.10UF K	
C59 C60-63 C64 C65 C66			CK73HB1H102K CK73HB1A104K CK73GB1A334K CE32BJ1C100M CE32AU1A560M	CHIP C 1000PF K CHIP C 0.10UF K CHIP C 0.33UF K CHIP EL 10UF 16WV CHIP EL 56UF 10WV	
C68,69 C70 C71 C75 C76,77			CK73HB1H102K CC73HCH1H221J CK73HB1A104K CC73HCH1H471J CK73HB1A104K	CHIP C 1000PF K CHIP C 220PF J CHIP C 0.10UF K CHIP C 470PF J CHIP C 0.10UF K	
C78,79 C80 C82			CK73HB1H102K CK73GB1A105K CK73GB1H102K	CHIP C 1000PF K CHIP C 1.0UF K CHIP C 1000PF K	
CN1		*	E41-2986-05	FLAT CABLE CONNECTOR	
L1 X1			L41-1005-33 L77-2908-05	SMALL FIXED INDUCTOR (10U) CRYSTAL RESONATOR (12.000MHZ)	
R2 R3,4 R5 R6 R7			RK73GB2A4R7J RK73HB1J562J RK73HB1J153J RK73HB1J123J RK73HB1J562J	CHIP R 4.7 J 1/10W CHIP R 5.6K J 1/16W CHIP R 15K J 1/16W CHIP R 12K J 1/16W CHIP R 5.6K J 1/16W	
R8 R9,10 R11 R12 R13,14			RK73HB1J123J RK73HB1J103J RK73HB1J153J RK73HB1J123J RK73HB1J133J	CHIP R 12K J 1/16W CHIP R 10K J 1/16W CHIP R 15K J 1/16W CHIP R 12K J 1/16W CHIP R 13K J 1/16W	
R15,16 R17 R18,19 R20 R21,22			RK73HB1J103J RK73HB1J133J RK73HB1J332J RK73HB1J103J RK73HB1J332J	CHIP R 10K J 1/16W CHIP R 13K J 1/16W CHIP R 3.3K J 1/16W CHIP R 10K J 1/16W CHIP R 3.3K J 1/16W	
R23,24 R25,26 R27,28 R40 R41			RK73HB1J562J RK73HB1J123J RK73HB1J133J RK73GB2A4R7J RK73HB1J470J	CHIP R 5.6K J 1/16W CHIP R 12K J 1/16W CHIP R 13K J 1/16W CHIP R 4.7 J 1/10W CHIP R 47 J 1/16W	
R42 R43-45 R49,50 R52 R53			RK73HB1J472J RK73HB1J470J RK73HB1J470J RK73HB1J470J RK73HB1J000J	CHIP R 4.7K J 1/16W CHIP R 47 J 1/16W CHIP R 47 J 1/16W CHIP R 47 J 1/16W CHIP R 0.0 J 1/16W	
R54-56 R57			RK73HB1J470J RK73GB2A472J	CHIP R 47 J 1/16W CHIP R 4.7K J 1/10W	



## PARTS LIST

## PROCESSOR UNIT (X17-2030-10)

Ref. No.	Add	New	Parts No.	Description	Destination
R59			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R61-64			RK73HB1J470J	CHIP R 47 J 1/16W	
R66-72			RK73HB1J470J	CHIP R 47 J 1/16W	
R73			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R74			RK73HB1J104J	CHIP R 100K J 1/16W	
R75			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R76			RK73HB1J471J	CHIP R 470 J 1/16W	
R78-80			RK73HB1J100J	CHIP R 10 J 1/16W	
R81-85			RK73HB1J1R0J	CHIP R 1.0 J 1/16W	
R86			RK73HB1J4R7J	CHIP R 4.7 J 1/16W	
R87			RK73HB1J100J	CHIP R 10 J 1/16W	
R88,89			RK73HB1J470J	CHIP R 47 J 1/16W	
R90,91			RK73GB2A000J	CHIP R 0.0 J 1/10W	
D1			CRS04	DIODE	
IC1-4			NJM4580V-ZB	ANALOGUE IC	
IC5			NJM2123V-ZB	ANALOGUE IC	
IC6		*	WM8580AGEFTRV	MOS-IC	
IC7		*	DSPC56371AF17	MOS-IC	
IC8		*	BA033CC0FP	ANALOGUE IC	
IC10			E-LD1117DTC	ANALOGUE IC	

## CONTROL CIRCUIT UNIT (X29-4490-10)

C1,2			CK73GB1H103K	CHIP C 0.010UF K	
C7-9			CK73FB1C105K	CHIP C 1.0UF K	
C11			CK73FB1C105K	CHIP C 1.0UF K	
C14			CK73FB1C106K	CHIP C 10UF K	
C15			CK73FB1C105K	CHIP C 1.0UF K	
C16			CE32BJ1C100M	CHIP EL 10UF 16WV	
C17			CK73GB1H102K	CHIP C 1000PF K	
C18,19			CK73GB1H104K	CHIP C 0.10UF K	
C20			CK73GB1H102K	CHIP C 1000PF K	
C21			CE32BJ1C100M	CHIP EL 10UF 16WV	
C24			CD04AT0J331M	ELECTRO 330UF 6.3WV	
C27-29			CK73GB1H104K	CHIP C 0.10UF K	
C100-102			CK73GB1H104K	CHIP C 0.10UF K	
C103,104			CE32BJ1C100M	CHIP EL 10UF 16WV	
C105			CK73GB1H103K	CHIP C 0.010UF K	
C106			CE32BJ1C100M	CHIP EL 10UF 16WV	
C107,108			CK73GB1H102K	CHIP C 1000PF K	
C109-111			CE32BJ1C100M	CHIP EL 10UF 16WV	
C112			CK73GB1H103K	CHIP C 0.010UF K	
C113-115			CE32BJ1C100M	CHIP EL 10UF 16WV	
C116			CK73GB1H102K	CHIP C 1000PF K	
C117			CK73GB1H103K	CHIP C 0.010UF K	
C118			CK73GB1H102K	CHIP C 1000PF K	
C119-121			CE32BJ1C100M	CHIP EL 10UF 16WV	
C122			CK73GB1H103K	CHIP C 0.010UF K	
C123,124			CK73EB1C106K	CHIP C 10UF K	
C125			CK73GB1H102K	CHIP C 1000PF K	
C126			CK73EB1C106K	CHIP C 10UF K	
C127			CK73GB1H103K	CHIP C 0.010UF K	
C128			CK73GB1H102K	CHIP C 1000PF K	
C129-131			CK73EB1C106K	CHIP C 10UF K	
C132			CK73GB1H103K	CHIP C 0.010UF K	
C133			CK73EB1C106K	CHIP C 10UF K	

Ref. No.	Add	New	Parts No.	Description	Destination
C134			CD04AS1C101M	ELECTRO 100UF 16WV	
C135-137			CK73EB1E225K	CHIP C 2.2UF K	
C138			CK73EB1C106K	CHIP C 10UF K	
C139			CK73EB1E225K	CHIP C 2.2UF K	
C140			CK73GB1H223K	CHIP C 0.022UF K	
C141			CK73GB1H103K	CHIP C 0.010UF K	
C142,143			CK73EB1C106K	CHIP C 10UF K	
C200			CK73GB1H473K	CHIP C 0.047UF K	
C201			CK73EB1E105K	CHIP C 1.0UF K	
C202			CK73GB1H473K	CHIP C 0.047UF K	
C203			CK73EB1E105K	CHIP C 1.0UF K	
CN1		*	E41-2959-05	PIN ASSY	
CN100		*	E41-2964-05	PIN ASSY	
CN300			E41-2590-05	FLAT CABLE CONNECTOR	
CN302			E40-6469-05	PIN ASSY	
J200			E58-1067-05	RECTANGULAR RECEPTACLE	
WH1		*	E39-0985-15	WIRING HARNESS	
L100			L41-2205-33	SMALL FIXED INDUCTOR (22U)	
R4,5			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R6			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R10			RK73EB2E100J	CHIP R 10 J 1/4W	
R11			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R12			RK73EB2E100J	CHIP R 10 J 1/4W	
R15			RK73EB2E100J	CHIP R 10 J 1/4W	
R16			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R18			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R19			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R20,21			RK73GB2A750J	CHIP R 75 J 1/10W	
R22			RK73GH2A750D	CHIP R 75 D 1/10W	
R24			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R27			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R30			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R31			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R33			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R34			RK73EB2E242J	CHIP R 2.4K J 1/4W	
R35			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R36			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R37			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R40			RK73EB2E100J	CHIP R 10 J 1/4W	
R41			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R43			RK73EB2E100J	CHIP R 10 J 1/4W	
R46			RK73FB2B101J	CHIP R 100 J 1/8W	
R47			RK73GB2A471J	CHIP R 470 J 1/10W	
R48			RK73EB2E750J	CHIP R 75 J 1/4W	
R49			RK73GB2A223J	CHIP R 22K J 1/10W	
R51			RK73GB2A223J	CHIP R 22K J 1/10W	
R53			RK73FB2B101J	CHIP R 100 J 1/8W	
R54			RK73GB2A471J	CHIP R 470 J 1/10W	
R57			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R58,59			RK73GB2A223J	CHIP R 22K J 1/10W	
R100,101			RK73FB2B103J	CHIP R 10K J 1/8W	
R103			RK73GB2A471J	CHIP R 470 J 1/10W	
R104			RK73EB2E820J	CHIP R 82 J 1/4W	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## CONTROL CIRCUIT UNIT (X29-4490-10)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R105			RK73GB2A104J	CHIP R 100K J 1/10W	
R106			RK73GB2A223J	CHIP R 22K J 1/10W	
R109			RK73GB2A223J	CHIP R 22K J 1/10W	
R111			RK73GB2A104J	CHIP R 100K J 1/10W	
R113			RK73GB2A471J	CHIP R 470 J 1/10W	
R114			RK73EB2E820J	CHIP R 82 J 1/4W	
R115,116			RK73FB2B103J	CHIP R 10K J 1/8W	
R120			RK73GB2A471J	CHIP R 470 J 1/10W	
R121			RK73EB2E820J	CHIP R 82 J 1/4W	
R122,123			RK73FB2B103J	CHIP R 10K J 1/8W	
R124			RK73GB2A104J	CHIP R 100K J 1/10W	
R125			RK73GB2A223J	CHIP R 22K J 1/10W	
R127,128			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R129			RK73GB2A223J	CHIP R 22K J 1/10W	
R131			RK73GB2A104J	CHIP R 100K J 1/10W	
R133			RK73GB2A471J	CHIP R 470 J 1/10W	
R135			RK73EB2E820J	CHIP R 82 J 1/4W	
R136,137			RK73FB2B103J	CHIP R 10K J 1/8W	
R139			RK73GB2A471J	CHIP R 470 J 1/10W	
R140			RK73GB2A104J	CHIP R 100K J 1/10W	
R141			RK73GB2A223J	CHIP R 22K J 1/10W	
R143,144			RK73FB2B103J	CHIP R 10K J 1/8W	
R145			RK73EB2E820J	CHIP R 82 J 1/4W	
R146			RK73GB2A223J	CHIP R 22K J 1/10W	
R148			RK73GB2A104J	CHIP R 100K J 1/10W	
R149			RK73GB2A471J	CHIP R 470 J 1/10W	
R151			RK73EB2E820J	CHIP R 82 J 1/4W	
R152,153			RK73FB2B103J	CHIP R 10K J 1/8W	
R154			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R155			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R156			RK73GB2A750J	CHIP R 75 J 1/10W	
R157			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R158			RK73GB2A470J	CHIP R 47 J 1/10W	
R159			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R160			RK73GB2A274J	CHIP R 270K J 1/10W	
R161			RK73GB2A563J	CHIP R 56K J 1/10W	
R162			RK73GB2A470J	CHIP R 47 J 1/10W	
R163			RK73GB2A103J	CHIP R 10K J 1/10W	
R164,165			RK73GB2A913J	CHIP R 91K J 1/10W	
R200			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R201			RK73GB2A473J	CHIP R 47K J 1/10W	
R202			RK73EB2E152J	CHIP R 1.5K J 1/4W	
R203			RK73GB2A473J	CHIP R 47K J 1/10W	
R204			RK73GB2A621J	CHIP R 620 J 1/10W	
R205			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R206,207			RK73PB2H2R0J	CHIP R 2.0 J 1/2W	
R208			RK73GB2A124J	CHIP R 120K J 1/10W	
R209			RK73GB2A103J	CHIP R 10K J 1/10W	
R210			RK73GB2A473J	CHIP R 47K J 1/10W	
R211			RK73FB2B472J	CHIP R 4.7K J 1/8W	
R212			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R213			RK73GB2A473J	CHIP R 47K J 1/10W	
R214			RK73EB2E152J	CHIP R 1.5K J 1/4W	
R215			RK73GB2A473J	CHIP R 47K J 1/10W	
R216			RK73GB2A621J	CHIP R 620 J 1/10W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R217			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R218,219			RK73PB2H2R0J	CHIP R 2.0 J 1/2W	
R220			RK73GB2A124J	CHIP R 120K J 1/10W	
R221			RK73GB2A103J	CHIP R 10K J 1/10W	
R222			RK73GB2A473J	CHIP R 47K J 1/10W	
R223			RK73FB2B472J	CHIP R 4.7K J 1/8W	
R300			RK73GB2A105J	CHIP R 1.0M J 1/10W	
D1-3			STZ6.2N	ZENER DIODE	
D4			UDZS8.2B	ZENER DIODE	
D5			UDZS6.2B	ZENER DIODE	
D6			UDZS8.2B	ZENER DIODE	
D7			UDZS6.8B	ZENER DIODE	
D8			UDZS6.2B	ZENER DIODE	
D9			UDZS6.8B	ZENER DIODE	
D10-13			AVRM16270MAAB	VARISTOR	
D14,15			AVRM16180M6AB	VARISTOR	
D16,17			DAP202U	DIODE	
D18			STZ6.2N	ZENER DIODE	
D100-105			AVRM16180M6AB	VARISTOR	
D106-110			DAP202U	DIODE	
D111			UDZS11B	ZENER DIODE	
D112			UDZS5.6B	ZENER DIODE	
D200-203			1SR154-400	DIODE	
IC100-102			NJM4565V-ZB	ANALOGUE IC	
IC103			ICL7660SIBAZ	ANALOGUE IC	
Q4			DTC643TU	DIGITAL TRANSISTOR	
Q5			DTA144EUA	DIGITAL TRANSISTOR	
Q6			DTC643TU	DIGITAL TRANSISTOR	
Q100			DTC643TU	DIGITAL TRANSISTOR	
Q101			DTA144EUA	DIGITAL TRANSISTOR	
Q102-105			DTC643TU	DIGITAL TRANSISTOR	
Q106			DTA144EUA	DIGITAL TRANSISTOR	
Q107			DTC643TU	DIGITAL TRANSISTOR	
Q108			UMC2N	TRANSISTOR	
Q109			2SB1443	TRANSISTOR	
Q110			2SC4081	TRANSISTOR	
Q111			2SA1576A	TRANSISTOR	
Q112			2SC4081	TRANSISTOR	
Q113			2SA1576A	TRANSISTOR	
Q114			2SC4081	TRANSISTOR	
Q115			2SA1576A	TRANSISTOR	
Q116			2SC4081	TRANSISTOR	
Q200			DTC114TUA	DIGITAL TRANSISTOR	
Q201			2SC4081	TRANSISTOR	
Q202			2SB1443	TRANSISTOR	
Q203			2SA1576A	TRANSISTOR	
Q204,205			2SC4081	TRANSISTOR	
Q206			DTC114TUA	DIGITAL TRANSISTOR	
Q207			2SC4081	TRANSISTOR	
Q208			2SB1443	TRANSISTOR	
Q209			2SA1576A	TRANSISTOR	
Q210,211			2SC4081	TRANSISTOR	
ELECTRIC UNIT (X34-584x-xx)					
C1			CE32BJ1H3R3M	CHIP EL 3.3UF 50WV	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C2			CK73FB1C105K	CHIP C 1.0UF K		C212			CK73EB1C106K	CHIP C 10UF K	
C3			CK73GB1H103K	CHIP C 0.010UF K		C213			CK73FB1A225K	CHIP C 2.2UF K	
C4			CK73FB1C105K	CHIP C 1.0UF K		C214			CK73HB1E103K	CHIP C 0.010UF K	
C5			CK73GB1H104K	CHIP C 0.10UF K		C215			CK73EB1E225K	CHIP C 2.2UF K	
C6,7			CK73FB1C105K	CHIP C 1.0UF K		C216			CK73GB1C104K	CHIP C 0.10UF K	
C8,9			CK73GB1H103K	CHIP C 0.010UF K		C217			CK73GB1A105K	CHIP C 1.0UF K	
C11			CK73GB1H103K	CHIP C 0.010UF K		C218-220			CK73GB1C104K	CHIP C 0.10UF K	
C12			C90-5666-05	ELECTRO 3900UF 25WV		C221			CK73EB1C106K	CHIP C 10UF K	
C13			CK73GB1H103K	CHIP C 0.010UF K		C222-226			CK73HB1A104K	CHIP C 0.10UF K	
C14			CK73FB1E474K	CHIP C 0.47UF K		C227			CK73EB1C106K	CHIP C 10UF K	
C16			CK73GB1H103K	CHIP C 0.010UF K		C228			CK73GB1H103K	CHIP C 0.010UF K	
C17		*	C93-1470-05	CHIP C 15000PF K	E1E2M3	C230			CK73HB1E103K	CHIP C 0.010UF K	
C17		*	C93-1470-05	CHIP C 15000PF K	E3	C231,232			CE32BJ1V100M	CHIP EL 10UF 35WV	
C100			C90-6851-05	ELECTRO 220UF 25WV		C233,234			CK73FB1C105K	CHIP C 1.0UF K	
C101			CK73GB1H104K	CHIP C 0.10UF K		C235,236			CE32BJ1H3R3M	CHIP EL 3.3UF 50WV	
C102			CK73GB1H103K	CHIP C 0.010UF K		C237			CK73FB1C105K	CHIP C 1.0UF K	
C103			CE32BJ1H100M	CHIP EL 10UF 50WV		C238-241			CK73EB1E225K	CHIP C 2.2UF K	
C104			CE32CL1V100M	CHIP EL 10UF 35WV		C242,243			CK73FB1E474K	CHIP C 0.47UF K	
C105			CD04AY1H100M	ELECTRO 10UF 50WV		C244			CE32BJ1H010M	CHIP EL 1.0UF 50WV	
C106			CK73FB1C105K	CHIP C 1.0UF K		C247			CK73GB1H103K	CHIP C 0.010UF K	
C107			CE32BJ1C101M	CHIP EL 100UF 16WV		C248			CE32BJ1V100M	CHIP EL 10UF 35WV	
C108			CD04BA1C100M	ELECTRO 10UF 16WV		C249,250			CK73FB1C105K	CHIP C 1.0UF K	
C109			CC73GCH1H102J	CHIP C 1000PF J		C263			CE32BJ1C470M	CHIP EL 47UF 16WV	
C110			CD04AY0J331M	ELECTRO 330UF 6.3WV		C264,265			C90-6779-05	ELECTRO 0.47UF 16WV	
C111			CK73FB1C105K	CHIP C 1.0UF K	E3	C266			CK73GB1A105K	CHIP C 1.0UF K	
C112			CK73GB1A105K	CHIP C 1.0UF K		C267,268			C90-6780-05	ELECTRO 1UF 16WV	
C113			CE32BJ1C101M	CHIP EL 100UF 16WV	E3	C272			CK73GB1A105K	CHIP C 1.0UF K	
C114,115			CK73GB1C104K	CHIP C 0.10UF K		C274			CK73GB1C104K	CHIP C 0.10UF K	
C116			CK73FB1H334K	CHIP C 0.33UF K		C275,276			C90-6779-05	ELECTRO 0.47UF 16WV	
C117			CC73GCH1H102J	CHIP C 1000PF J		C277			CK73GB1C104K	CHIP C 0.10UF K	
C118			CK73GB1C104K	CHIP C 0.10UF K		C279-284			CC73GCH1H070D	CHIP C 7.0PF D	
C119			CK73FB1E474K	CHIP C 0.47UF K		C300,301			CK73GB1A105K	CHIP C 1.0UF K	
C120			CE32BJ1C100M	CHIP EL 10UF 16WV		C302			CK73GB1C104K	CHIP C 0.10UF K	
C121			CD04BA1C100M	ELECTRO 10UF 16WV		C335			CK73GB1H102K	CHIP C 1000PF K	
C122			CC73GCH1H102J	CHIP C 1000PF J		C338,339			CK73GB1H103K	CHIP C 0.010UF K	
C123			CK73GB1H104K	CHIP C 0.10UF K	KR1K1	C340			CK73GB1H102K	CHIP C 1000PF K	
C124			CK73GB1H103K	CHIP C 0.010UF K		C500,501			CC73GCH1H100D	CHIP C 10PF D	E2M1M3
C125			CK73FB1E474K	CHIP C 0.47UF K		C500,501			CC73GCH1H100D	CHIP C 10PF D	KR1E1
C126			CD04AT1E101M	ELECTRO 100UF 25WV	KR1K1	C500,501			CC73GCH1H100D	CHIP C 10PF D	K1E3
C127			CK73GB1A474K	CHIP C 0.47UF K		C503			CD04AS1V100M	ELECTRO 10UF 35WV	E2M1M3
C128			CD04AY1H220M	ELECTRO 22UF 50WV		C503			CD04AS1V100M	ELECTRO 10UF 35WV	KR1E1
C129			CK73GB1A105K	CHIP C 1.0UF K		C503			CD04AS1V100M	ELECTRO 10UF 35WV	K1E3
C130			CK73GB1A334K	CHIP C 0.33UF K		C504			CK73GB1H103K	CHIP C 0.010UF K	E2M1M3
C131			C90-5692-05	ELECTRO 220UF 16WV		C504			CK73GB1H103K	CHIP C 0.010UF K	KR1E1
C132			CK73GB1C104K	CHIP C 0.10UF K		C504			CK73GB1H103K	CHIP C 0.010UF K	K1E3
C133			CK73GB1H102K	CHIP C 1000PF K	E3	C505			CC73GCH1H331J	CHIP C 330PF J	E2M1M3
C134			CE32BJ1C101M	CHIP EL 100UF 16WV		C505			CC73GCH1H331J	CHIP C 330PF J	KR1E1
C135,136			CK73GB1H103K	CHIP C 0.010UF K		C505			CC73GCH1H331J	CHIP C 330PF J	K1E3
C200-204			CK73FB1A225K	CHIP C 2.2UF K		C506,507			CE32BJ1C220M	CHIP EL 22UF 16WV	
C205			CK73EB1C106K	CHIP C 10UF K		C508			CE32BJ1C100M	CHIP EL 10UF 16WV	
C206			CE32BJ1C220M	CHIP EL 22UF 16WV		C509			CE32BJ1C220M	CHIP EL 22UF 16WV	
C207			CK73GB1C104K	CHIP C 0.10UF K		C515			CE32BJ1C100M	CHIP EL 10UF 16WV	E2M1M3
C208			CK73FB1A225K	CHIP C 2.2UF K		C515			CE32BJ1C100M	CHIP EL 10UF 16WV	KR1E1
C209			CK73GB1C104K	CHIP C 0.10UF K		C515			CE32BJ1C100M	CHIP EL 10UF 16WV	K1E3
C210,211			CK73FB1A225K	CHIP C 2.2UF K		C516-519			CK73GB1H103K	CHIP C 0.010UF K	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C520-522 C521,522 C521,522 C521,522 C524			CK73GB1H102K CK73GB1H102K CK73GB1H102K CK73GB1H102K CK73GB1H472K	CHIP C 1000PF K CHIP C 1000PF K CHIP C 1000PF K CHIP C 1000PF K CHIP C 4700PF K	E3 KM1M3 R1K1 X1E1E2	L701 X500 X500 X500 X700			L33-2359-05 L77-2002-05 L77-2002-05 L77-2002-05 L77-2975-05	CHOKE COIL CRYSTAL RESONATOR CRYSTAL RESONATOR CRYSTAL RESONATOR CRYSTAL RESONATOR (FCX-03 11.05)	E2M1M3 KR1E1 K1E3
C550 C551 C552,553 C600-602 C616			CK73GB1C104K CD04AS1C470M CK73GB1A474K CK73GB1A474K CK73GB1H104K	CHIP C 0.10UF K ELECTRO 47UF 16WV CHIP C 0.47UF K CHIP C 0.47UF K CHIP C 0.10UF K		AB E	2C 2C		N09-6727-05 N35-2604-43	TAPTITE SCREW (3X8 T) BINDING HEAD MACHINE SCREW	KR1K1
C617,618 C650-652 C653 C654,655 C656			CK73GB1C104K CK73FB1C105K CK73GB1H103K CC73GCH1H470J CK73GB1H104K	CHIP C 0.10UF K CHIP C 1.0UF K CHIP C 0.010UF K CHIP C 47PF J CHIP C 0.10UF K	KR1K1 KR1K1 KR1K1 KR1K1	R1 R2 R3 R4 R5			RK73GB2A473J RK73GB2A102J RK73EB2E272J RK73FB2B472J RK73GB2A223J	CHIP R 47K J 1/10W CHIP R 1.0K J 1/10W CHIP R 2.7K J 1/4W CHIP R 4.7K J 1/8W CHIP R 22K J 1/10W	
C701 C702 C703 C704 C706,707			CK73GB1H102K CK73GB1C104K CK73GB1H102K CD04BJ0J331M CK73GB1C104K	CHIP C 1000PF K CHIP C 0.10UF K CHIP C 1000PF K ELECTRO 330UF 6.3WV CHIP C 0.10UF K		R6 R7 R8 R9 R10			RK73PB2H102J RK73GB2A473J RK73PB2H102J RK73GB2A473J RK73GB2A103J	CHIP R 1.0K J 1/2W CHIP R 47K J 1/10W CHIP R 1.0K J 1/2W CHIP R 47K J 1/10W CHIP R 10K J 1/10W	
C708,709 C710 C711 C712 C850			CC73GCH1H100D CK73GB1C104K CK73GB1A105K CK73GB1C104K CK73GB1H102K	CHIP C 10PF D CHIP C 0.10UF K CHIP C 1.0UF K CHIP C 0.10UF K CHIP C 1000PF K		R11 R12 R13 R14 R15			RK73EB2E103J RK73FB2B000J RK73GB2A104J RK73EB2E272J RK73GB2A102J	CHIP R 10K J 1/4W CHIP R 0.0 J 1/8W CHIP R 100K J 1/10W CHIP R 2.7K J 1/4W CHIP R 1.0K J 1/10W	E1E2E3
C900 C902-904			CK73GB1H102K CK73GB1H472K	CHIP C 1000PF K CHIP C 4700PF K		R16 R16 R17 R17 R18			RK73GB2A103J RK73GB2A103J RK73GB2A222J RK73GB2A222J RK73EB2E102J	CHIP R 10K J 1/10W CHIP R 10K J 1/10W CHIP R 2.2K J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.0K J 1/4W	KR1M1 X1M3K1 KR1M1 X1M3K1
CN300 CN350 CN400 CN401 CN550		*	E41-2771-05 E41-2979-05 E41-2237-05 E40-6470-05 E41-2772-05	PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY PIN ASSY	K1E3	R19 R20,21 R20,21 R22 R23			RK73FB2B472J RK73PB2H102J RK73PB2H102J RK73GB2A104J RK73GB2A103J	CHIP R 4.7K J 1/8W CHIP R 1.0K J 1/2W CHIP R 1.0K J 1/2W CHIP R 100K J 1/10W CHIP R 10K J 1/10W	KR1M1 X1M3K1 KR1M1
CN700 CN900 J1 J550 J550		*	E41-2248-05 E41-2986-05 E58-1043-05 E56-0864-05 E56-0864-05	PIN ASSY FLAT CABLE CONNECTOR RECTANGULAR RECEPTACLE CYLINDRICAL RECEPTACLE CYLINDRICAL RECEPTACLE	KM1M3 R1	R23 R24 R25 R26 R27			RK73GB2A103J RK73GB2A223J RK73GB2A103J RK73GB2A183J RK73GB2A473J	CHIP R 10K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/10W CHIP R 18K J 1/10W CHIP R 47K J 1/10W	X1M3K1
J550 J600 J650 W500 W500		*	E56-0864-05 E58-1034-05 E58-1097-05 E30-6797-05 E30-6797-05	CYLINDRICAL RECEPTACLE RECTANGULAR RECEPTACLE RECTANGULAR RECEPTACLE CORD WITH PLUG (FM/AM ANT) CORD WITH PLUG (FM/AM ANT)	X1E1E2 KR1K1 KM1M3 R1K1	R28 R29 R31 R32 R34			RK73GB2A222J RK73GH2A563D RK73FB2B561J RK73GB2A000J RK73EB2E102J	CHIP R 2.2K J 1/10W CHIP R 56K D 1/10W CHIP R 560 J 1/8W CHIP R 0.0 J 1/10W CHIP R 1.0K J 1/4W	
W500		*	E30-6797-05	CORD WITH PLUG (FM/AM ANT)	X1E1E2	R35 R36,37 R38 R39 R40			RK73GH2A333D RK73GB2A104J RK73GB2A473J RK73EB2E103J RK73GB2A104J	CHIP R 33K D 1/10W CHIP R 100K J 1/10W CHIP R 47K J 1/10W CHIP R 10K J 1/4W CHIP R 100K J 1/10W	
F100 F101			F53-0297-05 F53-0306-05	FUSE (UL,CSA) 1.6A FUSE (UL,CSA) 5A	KR1K1	R41 R42,43 R44 R48 R50			RK73GB2A153J RK73EB2E622J RK73GB2A912J RK73FB2B000J RK73FB2B000J	CHIP R 15K J 1/10W CHIP R 6.2K J 1/4W CHIP R 9.1K J 1/10W CHIP R 0.0 J 1/8W CHIP R 0.0 J 1/8W	
L100 L200 L500 L502 L504			L92-0329-05 L41-1005-33 L41-4795-33 L41-4795-33 L41-4795-33	CHIP FERRITE SMALL FIXED INDUCTOR (10U) SMALL FIXED INDUCTOR (4.7U) SMALL FIXED INDUCTOR (4.7U) SMALL FIXED INDUCTOR (4.7U)	E3 E2M1M3	R101 R102			RK73FB2B221J RK73GB2A104J	CHIP R 220 J 1/8W CHIP R 100K J 1/10W	
L504 L504 L700			L41-4795-33 L41-4795-33 L92-0319-05	SMALL FIXED INDUCTOR (4.7U) SMALL FIXED INDUCTOR (4.7U) CHIP FERRITE	KR1E1 K1E3						

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.

## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R103			RK73FB2B152J	CHIP R 1.5K J 1/8W	E3	R215			RK73GB2A104J	CHIP R 100K J 1/10W	
R104			RK73FB2B203J	CHIP R 20K J 1/8W		R216			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R105			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		R217			RK73GB2A103J	CHIP R 10K J 1/10W	
R106			RK73FB2B1R0J	CHIP R 1.0 J 1/8W		R218-223			RK73GB2A101J	CHIP R 100 J 1/10W	
R107			RK73FB2B221J	CHIP R 220 J 1/8W		R224			RK73GB2A103J	CHIP R 10K J 1/10W	
R108			RK73GB2A101J	CHIP R 100 J 1/10W	E3	R225			RK73EB2E2R2J	CHIP R 2.2 J 1/4W	
R109			RK73GB2A472J	CHIP R 4.7K J 1/10W		R226-229			RK73GB2A470J	CHIP R 47 J 1/10W	
R110			RK73GB2A101J	CHIP R 100 J 1/10W		R232			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R111			RK73GB2A103J	CHIP R 10K J 1/10W		R233,234			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R112			RK73GB2A101J	CHIP R 100 J 1/10W		R237			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R113			RK73GH2A153D	CHIP R 15K D 1/10W	E3	R238,239			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R114			RK73GH2A512D	CHIP R 5.1K D 1/10W		R240			RK73GB2A473J	CHIP R 47K J 1/10W	
R115			RK73GB2A103J	CHIP R 10K J 1/10W		R241			RK73GB2A113J	CHIP R 11K J 1/10W	
R116			RK73GH2A102D	CHIP R 1.0K D 1/10W		R243			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R117			RK73GH2A243D	CHIP R 24K D 1/10W		R244			RK73GB2A100J	CHIP R 10 J 1/10W	
R118			RK73GB2A102J	CHIP R 1.0K J 1/10W	E3	R246			RK73GB2A331J	CHIP R 330 J 1/10W	
R119			RK73GH2A203D	CHIP R 20K D 1/10W		R247			RK73GB2A473J	CHIP R 47K J 1/10W	
R120			RK73GB2A102J	CHIP R 1.0K J 1/10W		R248			RK73HH1J102D	CHIP R 1.0K D 1/16W	
R122			RK73GH2A432D	CHIP R 4.3K D 1/10W		R250			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R124			RK73GB2A223J	CHIP R 22K J 1/10W		R251			RK73HH1J102D	CHIP R 1.0K D 1/16W	
R125			RK73GB2A123J	CHIP R 12K J 1/10W		R252			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R126			RK73FB2B222J	CHIP R 2.2K J 1/8W		R254-259			RK73GB2A151J	CHIP R 150 J 1/10W	
R127			RK73GB2A391J	CHIP R 390 J 1/10W		R262			RK73GB2A561J	CHIP R 560 J 1/10W	
R128			RK73GH2A152D	CHIP R 1.5K D 1/10W		R263			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R129			RK73GH2A222D	CHIP R 2.2K D 1/10W		R300,301			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R130			RK73FB2B221J	CHIP R 220 J 1/8W	KR1K1	R302,303			RK73GB2A183J	CHIP R 18K J 1/10W	
R131			RK73GB2A101J	CHIP R 100 J 1/10W		R304,305			RK73GB2A104J	CHIP R 100K J 1/10W	
R132			RK73GB2A823J	CHIP R 82K J 1/10W		R306			RK73GB2A473J	CHIP R 47K J 1/10W	
R133			RK73GB2A103J	CHIP R 10K J 1/10W		R307			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R135			RK73GH2A223D	CHIP R 22K D 1/10W		R308,309			RK73GB2A470J	CHIP R 47 J 1/10W	
R136			RK73GB2A224J	CHIP R 220K J 1/10W	KR1K1	R334			RK73GB2A471J	CHIP R 470 J 1/10W	E2M1M3 KR1E1 K1E3
R137			RK73GH2A472D	CHIP R 4.7K D 1/10W		R336			RK73GB2A223J	CHIP R 22K J 1/10W	
R138			RK73GB2A333J	CHIP R 33K J 1/10W	KR1K1	R337			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R139			RK73GB2A224J	CHIP R 220K J 1/10W	KR1K1	R340			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R140			RK73GB2A102J	CHIP R 1.0K J 1/10W		R341			RK73GB2A223J	CHIP R 22K J 1/10W	
R142			RK73GB2A101J	CHIP R 100 J 1/10W		R342			RK73GB2A471J	CHIP R 470 J 1/10W	E2M1M3 KR1E1 K1E3
R143			RK73GB2A473J	CHIP R 47K J 1/10W		R500			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R144			RK73FB2B152J	CHIP R 1.5K J 1/8W		R500			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R145			RK73GB2A104J	CHIP R 100K J 1/10W		R500			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R146			RK73GH2A243D	CHIP R 24K D 1/10W		R501			RK73GB2A223J	CHIP R 22K J 1/10W	
R147			RK73GH2A432D	CHIP R 4.3K D 1/10W		R502			RK73GB2A102J	CHIP R 1.0K J 1/10W	E2M1M3 KR1E1 K1E3
R200			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		R503			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R201			RK73GB2A102J	CHIP R 1.0K J 1/10W		R504,505			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R202			RK73GB2A682J	CHIP R 6.8K J 1/10W		R504,505			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R203			RK73GB2A103J	CHIP R 10K J 1/10W		R504,505			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R204,205			RK73HB1J101J	CHIP R 100 J 1/16W		R552			RK73GB2A101J	CHIP R 100 J 1/10W	
R206			RK73GH2A123D	CHIP R 12K D 1/10W		R553			RK73EB2E101J	CHIP R 100 J 1/4W	
R207			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		R554			RK73GB2A100J	CHIP R 10 J 1/10W	
R208			RK73HB1J103J	CHIP R 10K J 1/16W		R555			RK73EB2E101J	CHIP R 100 J 1/4W	
R209			RK73HB1J472J	CHIP R 4.7K J 1/16W		R556			RK73GB2A100J	CHIP R 10 J 1/10W	
R210			RK73HB1J104J	CHIP R 100K J 1/16W		R557			RK73EB2E101J	CHIP R 100 J 1/4W	KM1M3
R211			RK73HB1J472J	CHIP R 4.7K J 1/16W		R558			RK73GB2A100J	CHIP R 10 J 1/10W	
R212			RK73HB1J104J	CHIP R 100K J 1/16W		R559			RK73EB2E101J	CHIP R 100 J 1/4W	
R213			RK73HB1J103J	CHIP R 10K J 1/16W		R560			RK73GB2A100J	CHIP R 10 J 1/10W	
R214			RK73HB1J104J	CHIP R 100K J 1/16W		R561-563			RK73GB2A750J	CHIP R 75 J 1/10W	

**E1** : DDX8022BT    **E2** : DDX8022BTY    **E3** : DNX8220BT (Europe)  
**K** : DDX812    **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)    **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT    **M3** : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	Ad	New	Parts No.	Description	Destination	Ref. No.	Ad	New	Parts No.	Description	Destination
R561-563			RK73GB2A750J	CHIP R 75 J 1/10W	R1	R715			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R561-563			RK73GB2A750J	CHIP R 75 J 1/10W	X1E1E2	R716			RK73HB1J101J	CHIP R 100 J 1/16W	
R561-564			RK73GB2A102J	CHIP R 1.0K J 1/10W	K1E3	R717			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R565			RK73GB2A103J	CHIP R 10K J 1/10W	K1E3	R718			RK73HB1J101J	CHIP R 100 J 1/16W	
R565			RK73GB2A750J	CHIP R 75 J 1/10W	KM1M3	R719			RK73HB1J102J	CHIP R 1.0K J 1/16W	E1E2E3
R565			RK73GB2A750J	CHIP R 75 J 1/10W	R1	R719,720			RK73HB1J102J	CHIP R 1.0K J 1/16W	KR1M1
R565			RK73GB2A750J	CHIP R 75 J 1/10W	X1E1E2	R719,720			RK73HB1J102J	CHIP R 1.0K J 1/16W	X1M3K1
R566			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R721,722			RK73HB1J101J	CHIP R 100 J 1/16W	
R567,568			RK73EB2E100J	CHIP R 10 J 1/4W		R723-725			RK73HB1J470J	CHIP R 47 J 1/16W	
R569,570			RK73EB2E102J	CHIP R 1.0K J 1/4W		R726			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R571-574			RK73GB2A911J	CHIP R 910 J 1/10W	K1E3	R727,728			RK73HB1J103J	CHIP R 10K J 1/16W	
R575			RK73EB2E102J	CHIP R 1.0K J 1/4W		R729,730			RK73HB1J473J	CHIP R 47K J 1/16W	
R576-581			RK73GB2A100J	CHIP R 10 J 1/10W		R731			RK73HB1J101J	CHIP R 100 J 1/16W	
R600			RK73EB2E200J	CHIP R 20 J 1/4W		R732,733			RK73HB1J473J	CHIP R 47K J 1/16W	
R601			RK73EB2E100J	CHIP R 10 J 1/4W		R734			RK73HB1J101J	CHIP R 100 J 1/16W	
R602			RK73EB2E200J	CHIP R 20 J 1/4W		R735			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R603-605			RK73EB2E102J	CHIP R 1.0K J 1/4W		R736			RK73HB1J101J	CHIP R 100 J 1/16W	
R606-608			RK73EB2E101J	CHIP R 100 J 1/4W		R737			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R609,610			RK73EB2E102J	CHIP R 1.0K J 1/4W		R738-741			RK73HB1J101J	CHIP R 100 J 1/16W	
R611			RK73EB2E101J	CHIP R 100 J 1/4W		R742			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R612			RK73GB2A100J	CHIP R 10 J 1/10W		R743			RK73HB1J101J	CHIP R 100 J 1/16W	
R613			RK73GB2A750J	CHIP R 75 J 1/10W		R744			RK73GB2A473J	CHIP R 47K J 1/10W	
R650			RK73EB2E200J	CHIP R 20 J 1/4W	KR1K1	R745,746			RK73HB1J101J	CHIP R 100 J 1/16W	
R651			RK73EB2E100J	CHIP R 10 J 1/4W	KR1K1	R747			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R652			RK73EB2E200J	CHIP R 20 J 1/4W	KR1K1	R748			RK73HB1J101J	CHIP R 100 J 1/16W	
R653,654			RK73EB2E102J	CHIP R 1.0K J 1/4W	KR1K1	R750			RK73HB1J101J	CHIP R 100 J 1/16W	
R655			RK73GB2A473J	CHIP R 47K J 1/10W		R751			RK73GB2A473J	CHIP R 47K J 1/10W	
R656,657			RK73GB2A103J	CHIP R 10K J 1/10W	KR1K1	R752			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R658			RK73GB2A473J	CHIP R 47K J 1/10W	KR1K1	R753,754			RK73HB1J101J	CHIP R 100 J 1/16W	E2M1M3
R659			RK73GB2A472J	CHIP R 4.7K J 1/10W	KR1K1	R753,754			RK73HB1J101J	CHIP R 100 J 1/16W	KR1E1
R660			RK73GB2A101J	CHIP R 100 J 1/10W	KR1K1	R753,754			RK73HB1J101J	CHIP R 100 J 1/16W	K1E3
R661-663			RK73EB2E101J	CHIP R 100 J 1/4W	KR1K1	R754			RK73HB1J101J	CHIP R 100 J 1/16W	X1
R664			RK73GB2A103J	CHIP R 10K J 1/10W	KR1K1	R755			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R665			RK73GB2A104J	CHIP R 100K J 1/10W		R756-758			RK73HB1J101J	CHIP R 100 J 1/16W	E2M1M3
R666			RK73GB2A102J	CHIP R 1.0K J 1/10W	KR1K1	R756-758			RK73HB1J101J	CHIP R 100 J 1/16W	KR1E1
R667-669			RK73GB2A100J	CHIP R 10 J 1/10W	KR1K1	R756-758			RK73HB1J101J	CHIP R 100 J 1/16W	K1E3
R670			RK73GB2A101J	CHIP R 100 J 1/10W	KR1K1	R757			RK73HB1J101J	CHIP R 100 J 1/16W	X1
R671			RK73GB2A000J	CHIP R 0.0 J 1/10W		R759			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R673			RK73GB2A103J	CHIP R 10K J 1/10W	KR1K1	R760			RK73HB1J223J	CHIP R 22K J 1/16W	
R700			RK73HB1J103J	CHIP R 10K J 1/16W	KK1	R762-764			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R700			RK73HB1J303J	CHIP R 30K J 1/16W	X1	R765,766			RK73HB1J473J	CHIP R 47K J 1/16W	E2M1M3
R700			RK73HB1J332J	CHIP R 3.3K J 1/16W	E1E2E3	R765,766			RK73HB1J473J	CHIP R 47K J 1/16W	KR1E1
R700,701			RK73HB1J103J	CHIP R 10K J 1/16W	M1M3	R765,766			RK73HB1J473J	CHIP R 47K J 1/16W	K1E3
R701			RK73HB1J103J	CHIP R 10K J 1/16W	R1E1E2	R767			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R701			RK73HB1J103J	CHIP R 10K J 1/16W	X1E3	R768-770			RK73HB1J473J	CHIP R 47K J 1/16W	E2M1M3
R703			RK73HB1J473J	CHIP R 47K J 1/16W		R768-770			RK73HB1J473J	CHIP R 47K J 1/16W	KR1E1
R704			RK73HB1J102J	CHIP R 1.0K J 1/16W		R768-770			RK73HB1J473J	CHIP R 47K J 1/16W	K1E3
R705			RK73HB1J473J	CHIP R 47K J 1/16W	KM1M3	R768,769			RK73HB1J473J	CHIP R 47K J 1/16W	X1
R705			RK73HB1J473J	CHIP R 47K J 1/16W	R1	R771			RK73HB1J470J	CHIP R 47 J 1/16W	
R705			RK73HB1J473J	CHIP R 47K J 1/16W	X1E1E2	R772,773			RK73HB1J102J	CHIP R 1.0K J 1/16W	KR1K1
R706			RK73HB1J473J	CHIP R 47K J 1/16W	K1E3	R774,775			RK73HB1J101J	CHIP R 100 J 1/16W	
R708			RK73HB1J473J	CHIP R 47K J 1/16W		R776			RK73HB1J102J	CHIP R 1.0K J 1/16W	KR1K1
R710,711			RK73HB1J473J	CHIP R 47K J 1/16W		R777			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R712,713			RK73HB1J222J	CHIP R 2.2K J 1/16W		R780,781			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R714			RK73HB1J101J	CHIP R 100 J 1/16W		R782			RK73HB1J472J	CHIP R 4.7K J 1/16W	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)

K : DDX812 K1 : DNX8120 (North America)

X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)

M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R783-788 R789 R790,791 R792,793 R794			RK73HB1J101J RK73HB1J470J RK73HB1J101J RK73HB1J471J RK73HB1J104J	CHIP R 100 J 1/16W CHIP R 47 J 1/16W CHIP R 100 J 1/16W CHIP R 470 J 1/16W CHIP R 100K J 1/16W	
R795 R796 R797 R798 R799			RK73HB1J103J RK73HB1J473J RK73HB1J472J RK73GB2A473J RK73HB1J104J	CHIP R 10K J 1/16W CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W CHIP R 47K J 1/10W CHIP R 100K J 1/16W	
R800 R801 R802 R803-807 R808			RK73GB2A473J RK73GB2A101J RK73HB1J473J RK73GB2A101J RK73HB1J473J	CHIP R 47K J 1/10W CHIP R 100 J 1/10W CHIP R 47K J 1/16W CHIP R 100 J 1/10W CHIP R 47K J 1/16W	
R809 R810 R811 R812			RK73HB1J472J RK73HB1J473J RK73HB1J102J RK73HB1J103J	CHIP R 4.7K J 1/16W CHIP R 47K J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W	
D1,2 D3 D4 D5 D6			M1F60-6063 DAP202U M1F60-6063 DAN202U M1F60-6063	DIODE DIODE DIODE DIODE DIODE	
D7 D8 D9 D10 D11			DAN202U M1F60-6063 DAN202U UDZS6.2B M1F60-6063	DIODE DIODE DIODE ZENER DIODE DIODE	
D12 D14 D15 D16 D17		*	UDZS6.8B RM30LF014-102 UDZS6.2B UDZS5.6B UDZS4.7B	ZENER DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE	
D18 D19 D100 D101 D102			UDZS6.2B DAN202U RB160L-40 UDZS16B UDZS5.6B	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE	
D103 D104 D105 D106 D107			1SS355 UDZS5.6B DA204U 1SS355 UDZS9.1B	DIODE ZENER DIODE DIODE DIODE ZENER DIODE	
D200 D201,202 D203 D204 D206			UDZS6.8B DAP202U AVRM16270MAAB DAP202U DAP202U	ZENER DIODE DIODE VARISTOR DIODE DIODE	
D301 D500 D550 D551-555 D551-555			DAP202U IMSA-6801-E UDZS6.2B STZ6.2N STZ6.2N	DIODE SURGE ABSORBER ZENER DIODE ZENER DIODE ZENER DIODE	KM1M3 R1
D551-555 D556 D556 D556 D557			STZ6.2N STZ6.8N STZ6.8N STZ6.8N UDZS6.2B	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	X1E1E2 KM1M3 R1 X1E1E2 KM1M3
D557 D557 D557 D600 D601 D604,605			UDZS6.2B UDZS6.2B STZ6.8N UDZS6.2B STZ6.2N	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	R1 X1E1E2
D606 D607 D608,609 D613 D649			UDZS6.2B AVRM16180M6AB AVRM16120M6AB STZ6.2N DAP202U	ZENER DIODE VARISTOR VARISTOR ZENER DIODE DIODE	KR1K1
D650 D651 D652 D653 D654			STZ6.8N UDZS6.2B STZ6.2N AVRM16180M6AB DAP202U	ZENER DIODE ZENER DIODE ZENER DIODE VARISTOR DIODE	KR1K1 KR1K1 KR1K1 KR1K1 KR1K1
D662,663 D664,665 IC100 IC100 IC100			AVRM16180M6AB DAP202U M5237ML-CF0J M5237ML-CF0J M5237ML-CF0J	VARISTOR DIODE ANALOGUE IC ANALOGUE IC ANALOGUE IC	KR1K1 KM1M3 R1K1 X1E1E2
IC100,101 IC102 IC103 IC104 IC105			M5237ML-CF0J NJM4565V-ZB TA78L05F-F R1114N331B-TR NJM2125F-ZB	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC (3.3V LF) ANALOGUE IC	E3
IC106 IC200 IC201,202 IC203 IC300			M5237ML-CF0J AK4220 NJM4565V-ZB E-TDA7415CB NJM4565V-ZB	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	
IC303 IC304 IC500 IC500 IC500		*	74LVC541APW 74AHCT08PW E-TDA7478AD E-TDA7478AD E-TDA7478AD	MOS-IC MOS-IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	E2M1M3 KR1E1 K1E3
IC550 IC650 IC701 IC702 IC704		*	74AHC1G04GW 74AHC1G08GW S-80835CNNB-G 30624MWPB74GP TB2923HQ	MOS-IC MOS-IC MOS-IC MICROCONTROLLER IC ANALOGUE IC	KR1K1
IC705 Q1 Q2 Q3 Q4			NJM78M05DL1AZB 2SB1188(Q,R) 2SA1576A DTC124EUA DTA114EUA	ANALOGUE IC TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	
Q5 Q6 Q7 Q7 Q8			2SA1576A DTC114YUA 2SB1188(R) 2SB1188(R) DTC124EUA	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	KR1M1 X1M3K1

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## ELECTRIC UNIT (X34-584x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q9,10 Q9,10 Q10 Q11 Q13,14			2SC4081 2SC4081 2SC4081 2SA1576A 2SC4081	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	KR1M1 X1M3K1 E1E2E3
Q100,101 Q102 Q103 Q104 Q105			UMC2N 2SB1184 2SC5712-F UMC2N KTA1046-P	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	E3
Q106 Q107 Q108-110 Q111 Q112			2SA1576A 2SB1184 2SC4081 2SB1689 DTC124EUA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	E3
Q113 Q114 Q115 Q116 Q117			DTC114YUA 2SA1576A KTA1046-P DTC124EUA 2SA1576A	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR	KR1K1 KR1K1 KR1K1
Q118 Q119 Q120 Q121 Q122			DTA124EUA TPC8110-F UMC2N 2SB1449(R)-E 2SC4081	DIGITAL TRANSISTOR FET TRANSISTOR TRANSISTOR TRANSISTOR	KR1K1
Q200 Q300 Q301 Q302 Q500			2SA1576A DTC643TU DTA144EUA DTC643TU DTC124EUA	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	KR1K1 KR1K1 KR1K1
Q501 Q650,651 Q652 Q653,654 Q700			2SB1689 2SC4081 DTA114EUA DTC144EUA DTC144EUA	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	KR1K1 KR1K1 KR1K1
Q701 Q702 Q703 Q704 Q705			RT1N440M DTC114YUA DTC124EUA DTC114TUA 2SK3019	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR FET	
Q706 Q707 TH201			DTA114TUA 2SK3019 PRF18BE471QS2	DIGITAL TRANSISTOR FET POSITIVE RESISTOR	
A500 A500 A500 A500 A501	2C	*	X86-4030-11 X86-4030-11 X86-4032-70 X86-4032-70 X89-3062-71	FRONT-END UNIT FRONT-END UNIT FRONT-END UNIT FRONT-END UNIT DAUGHTER UNIT	KR1X1 K1 E1E2M1 M3E3 E3
<b>VIDEO UNIT (X35-4940-10)</b>					
C1,2 C3-6 C7,8 C9 C10			CK73EB1E106K CK73GB1H103K CK73GB0J225K CK73GB1A474K CK73GB1E183K	CHIP C 10UF K CHIP C 0.010UF K CHIP C 2.2UF K CHIP C 0.47UF K CHIP C 0.018UF K	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C11 C12 C13 C14,15 C16			CK73GB1H152K CK73GB0J225K CK73GB1H103K CK73GB1H473K C93-1383-05	CHIP C 1500PF K CHIP C 2.2UF K CHIP C 0.010UF K CHIP C 0.047UF K CHIP C 220PF F	
C18-20 C21-24 C25 C26 C27		*	CK73EB1E106K C93-1283-05 C93-1461-05 C93-1273-05 C93-1466-05	CHIP C 10UF K CHIP C 1.0UF K CHIP C 2700PF F CHIP C 15PF J CHIP C 0.018UF F	
C101 C102 C103 C104-107 C108			CK73FB0J106K CK73GB1H103K CC73GCH1H102J CK73GB1C104K CK73EB1E106K	CHIP C 10UF K CHIP C 0.010UF K CHIP C 1000PF J CHIP C 0.10UF K CHIP C 10UF K	
C109 C110 C111 C112 C113			CK73GB1H104K CK73GB1H103K CK73FB1E154K CC73GCH1H102J CK73GB1C224K	CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 0.15UF K CHIP C 1000PF J CHIP C 0.22UF K	
C114 C115 C117,118 C119 C120			CC73GCH1H151J CK73EB1E225K CK73FB1C106K CK73GB1C104K CK73FB1C106K	CHIP C 150PF J CHIP C 2.2UF K CHIP C 10UF K CHIP C 0.10UF K CHIP C 10UF K	
C121 C122 C124 C131 C140,141			CK73GB1C104K CK73GB1H103K CK73FB1C106K CK73FB1C106K CK73GB1C104K	CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 10UF K CHIP C 10UF K CHIP C 0.10UF K	
C200 C201 C202 C203 C204,205			CK73FB0J106K CK73GB1H103K CK73FB1C106K CK73GB1H103K CK73FB1A475K	CHIP C 10UF K CHIP C 0.010UF K CHIP C 10UF K CHIP C 0.010UF K CHIP C 4.7UF K	
C207 C208 C209 C210 C211			CC73GCH1H560J CK73EB1E106K CK73GB1H103K CK73EB1E106K CK73GB1H103K	CHIP C 56PF J CHIP C 10UF K CHIP C 0.010UF K CHIP C 10UF K CHIP C 0.010UF K	
C216,217 C218 C219 C221 C301			CK73FB1C106K CK73GB1C104K CC73GCH1H101J CK73FB1C106K CK73HB1E103K	CHIP C 10UF K CHIP C 0.10UF K CHIP C 100PF J CHIP C 10UF K CHIP C 0.010UF K	
C302 C303 C304 C305 C306			CK73FB0J106K CK73HB1E103K CK73FB0J106K CK73GB1A105K CK73HB1A104K	CHIP C 10UF K CHIP C 0.010UF K CHIP C 10UF K CHIP C 1.0UF K CHIP C 0.10UF K	
C308 C309 C310 C311,312 C313			CK73GB1A105K CC73HCH1H560J CC73HCH1H330J CC73HCH1H102J CK73HB1A104K	CHIP C 1.0UF K CHIP C 56PF J CHIP C 33PF J CHIP C 1000PF J CHIP C 0.10UF K	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## VIDEO UNIT (X35-4940-10)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C314			CK73FB0J106K	CHIP C 10UF K		R2,3			RK73GB2A000J	CHIP R 0.0 J 1/10W	
C315-334			CK73HB1A104K	CHIP C 0.10UF K		R5			RK73GB2A153J	CHIP R 15K J 1/10W	
C335			CC73HCH1H240J	CHIP C 24PF J		R7			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C336			CC73HCH1H270J	CHIP C 27PF J		R8			RK73GB2A220J	CHIP R 22 J 1/10W	
C337			CK73HB1A104K	CHIP C 0.10UF K		R9			RK73GH2A433D	CHIP R 43K D 1/10W	
C338,339			CK73HB1E103K	CHIP C 0.010UF K		R10			RK73GB2A220J	CHIP R 22 J 1/10W	
C340			CK73HB1A104K	CHIP C 0.10UF K		R11			RK73GB2A515J	CHIP R 5.1M J 1/10W	
C341			CK73FB0J106K	CHIP C 10UF K		R12			RK73GH2A513D	CHIP R 51K D 1/10W	
C342-347			CK73HB1A104K	CHIP C 0.10UF K		R13			RK73GB2A104J	CHIP R 100K J 1/10W	
C349,350			CK73HB1A104K	CHIP C 0.10UF K		R14			RK73GH2A164D	CHIP R 160K D 1/10W	
C360			CK73HB1H102K	CHIP C 1000PF K		R15			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C361			CC73HCH1H820J	CHIP C 82PF J		R16			RK73GB2A105J	CHIP R 1.0M J 1/10W	
C362,363			CK73HB1A104K	CHIP C 0.10UF K		R17			RK73GB2A512J	CHIP R 5.1K J 1/10W	
C372			CK73FB1C105K	CHIP C 1.0UF K		R18			RK73GH2A563D	CHIP R 56K D 1/10W	
C373,374			CK73FB0J106K	CHIP C 10UF K		R19			RK73GH2A754D	CHIP R 750K D 1/10W	
C375			CK73EB1E105K	CHIP C 1.0UF K		R20			RK73GB2A512J	CHIP R 5.1K J 1/10W	
C376-382			CK73HB1A104K	CHIP C 0.10UF K		R21-24			RK73GB2A220J	CHIP R 22 J 1/10W	
C386			CK73HB1A104K	CHIP C 0.10UF K		R25			RK73GH2A471D	CHIP R 470 D 1/10W	
C387			CK73HB1H102K	CHIP C 1000PF K		R27			RK73GH2A103D	CHIP R 10K D 1/10W	
C500,501			CK73GB1H103K	CHIP C 0.010UF K		R32			RK73GB2A000J	CHIP R 0.0 J 1/10W	
C502			CK73FB0J106K	CHIP C 10UF K		R100			RK73GB2A100J	CHIP R 10 J 1/10W	
C601			CK73FB0J106K	CHIP C 10UF K		R101			RK73GB2A754J	CHIP R 750K J 1/10W	
C602			CC73GCH1H221J	CHIP C 220PF J		R102			RK73GB2A473J	CHIP R 47K J 1/10W	
C603			CK73GB1C104K	CHIP C 0.10UF K		R104			RK73GH2A114D	CHIP R 110K D 1/10W	
CN1			E41-2642-05	PIN ASSY		R105			RK73GH2A103D	CHIP R 10K D 1/10W	
CN100		*	E41-2985-05	FLAT CABLE CONNECTOR		R106			RK73GH2A164D	CHIP R 160K D 1/10W	
CN300			E41-2359-05	PIN ASSY		R107			RK73GH2A183D	CHIP R 18K D 1/10W	
CN301			E41-2208-05	FLAT CABLE CONNECTOR		R108-110			RK73GB2A000J	CHIP R 0.0 J 1/10W	
CN500			E41-2088-05	FLAT CABLE CONNECTOR		R111			RK73GB2A222J	CHIP R 2.2K J 1/10W	
CN600		*	E41-2974-05	FLAT CABLE CONNECTOR		R112			RK73GB2A103J	CHIP R 10K J 1/10W	
J1,2			E04-0433-05	RF COAXIAL CABLE RECEPTACLE		R140			RK73GH2A103D	CHIP R 10K D 1/10W	
F100			F53-0280-05	FUSE 0.63A		R141			RK73GH2A513D	CHIP R 51K D 1/10W	
L1			L33-2454-05	CHOKE COIL		R142,143			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L2			L19-0802-05	TRANSFORMER FOR CONVERTER		R201			RK73GB2A223J	CHIP R 22K J 1/10W	
L100			L33-2454-05	CHOKE COIL		R203			RK73GB2A473J	CHIP R 47K J 1/10W	
L101			L41-4792-13	SMALL FIXED INDUCTOR (4.7UH)		R205			RK73GH2A392D	CHIP R 3.9K D 1/10W	
L102			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R206			RK73GH2A222D	CHIP R 2.2K D 1/10W	
L103,104			L41-3392-13	SMALL FIXED INDUCTOR (3.3UH)		R207			RK73GH2A123D	CHIP R 12K D 1/10W	
L105			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R208			RK73GB2A101J	CHIP R 100 J 1/10W	
L200,201			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R209,210			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L203			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R212			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L300,301			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R216,217			RK73GB2A470J	CHIP R 47 J 1/10W	
L302			L41-2205-33	SMALL FIXED INDUCTOR (22U)		R222,223			RK73GH2A102D	CHIP R 1.0K D 1/10W	
L303			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R224			RK73GB2A222J	CHIP R 2.2K J 1/10W	
L304-306			L92-0319-05	CHIP FERRITE		R228			RK73GH2A153D	CHIP R 15K D 1/10W	
L307			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R229			RK73GH2A103D	CHIP R 10K D 1/10W	
L308-311			L92-0319-05	CHIP FERRITE		R300-302			RK73HB1J000J	CHIP R 0.0 J 1/16W	
L312			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R303,304			RK73FB2B101J	CHIP R 100 J 1/8W	
L313			L41-8281-15	SMALL FIXED INDUCTOR (0.82U)		R305,306			RK73HB1J000J	CHIP R 0.0 J 1/16W	
L315			L92-0319-05	CHIP FERRITE		R307-309			RK73HB1J101J	CHIP R 100 J 1/16W	
L600			L41-1005-33	SMALL FIXED INDUCTOR (10U)		R310-312			RK73HB1J000J	CHIP R 0.0 J 1/16W	
X300			L77-2965-05	CRYSTAL RESONATOR (12.000MHZ)		R313,314			RK73HB1J101J	CHIP R 100 J 1/16W	
R1			RK73FB2B152J	CHIP R 1.5K J 1/8W		R320			RK73HB1J272J	CHIP R 2.7K J 1/16W	
						R321			RK73HB1J100J	CHIP R 10 J 1/16W	
						R322			RK73HB1J101J	CHIP R 100 J 1/16W	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## VIDEO UNIT (X35-4940-10)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R323 R324 R325-328 R331,332 R336			RK73HB1J100J RK73HB1J272J RK73HB1J000J RK73HB1J101J RK73HB1J105J	CHIP R 10 J 1/16W CHIP R 2.7K J 1/16W CHIP R 0.0 J 1/16W CHIP R 100 J 1/16W CHIP R 1.0M J 1/16W	
R337 R338 R339-341 R342 R343			RK73HB1J102J RK73HB1J000J RK73HB1J330J RK73HB1J103J RK73HB1J000J	CHIP R 1.0K J 1/16W CHIP R 0.0 J 1/16W CHIP R 33 J 1/16W CHIP R 10K J 1/16W CHIP R 0.0 J 1/16W	
R345,346 R347,348 R351 R353 R354,355			RK73HB1J000J RK73HB1J330J RK73HB1J000J RK73HB1J473J RK73HB1J330J	CHIP R 0.0 J 1/16W CHIP R 33 J 1/16W CHIP R 0.0 J 1/16W CHIP R 47K J 1/16W CHIP R 33 J 1/16W	
R359 R360 R361 R362 R363-370			RK73HB1J472J RK73HB1J181J RK73HB1J101J RK73HB1J560J RK73HB1J101J	CHIP R 4.7K J 1/16W CHIP R 180 J 1/16W CHIP R 100 J 1/16W CHIP R 56 J 1/16W CHIP R 100 J 1/16W	
R372 R373 R392-397 R398 R399			RK73HB1J101J RK73HB1J472J RK73HB1J000J RK73HB1J102J RK73HB1J101J	CHIP R 100 J 1/16W CHIP R 4.7K J 1/16W CHIP R 0.0 J 1/16W CHIP R 1.0K J 1/16W CHIP R 100 J 1/16W	
R400-403 R404 R405 R406 R407			RK73HB1J473J RK73HB1J000J RK73HB1J101J RK73GH2A911D RK73GH2A102D	CHIP R 47K J 1/16W CHIP R 0.0 J 1/16W CHIP R 100 J 1/16W CHIP R 910 D 1/10W CHIP R 1.0K D 1/10W	
R410 R413 R414,415 R416 R500,501			RK73HB1J000J RK73HB1J101J RK73HB1J103J RK73FB2B000J RK73GB2A333J	CHIP R 0.0 J 1/16W CHIP R 100 J 1/16W CHIP R 10K J 1/16W CHIP R 0.0 J 1/8W CHIP R 33K J 1/10W	
R504-507 R509 R603-606 R607 R608			RK73EB2E100J RK73FB2B000J RK73EB2E101J RK73EB2E100J RK73EB2E121J	CHIP R 10 J 1/4W CHIP R 0.0 J 1/8W CHIP R 100 J 1/4W CHIP R 10 J 1/4W CHIP R 120 J 1/4W	
R609 R610 R611-614 R615 R616,617			RK73EB2E101J RK73GB2A101J RK73GB2A000J RK73GB2A302J RK73GB2A000J	CHIP R 100 J 1/4W CHIP R 100 J 1/10W CHIP R 0.0 J 1/10W CHIP R 3.0K J 1/10W CHIP R 0.0 J 1/10W	
R618 R619,620 R621 R622 R623			RK73GB2A512J RK73GB2A000J RK73GB2A103J RK73GB2A000J RK73GB2A303J	CHIP R 5.1K J 1/10W CHIP R 0.0 J 1/10W CHIP R 10K J 1/10W CHIP R 0.0 J 1/10W CHIP R 30K J 1/10W	
R624-627 R629-634 R635 R636-638 R643,644			RK73GB2A681J RK73GB2A681J RK73FB2B132J RK73GB2A000J RK73GB2A473J	CHIP R 680 J 1/10W CHIP R 680 J 1/10W CHIP R 1.3K J 1/8W CHIP R 0.0 J 1/10W CHIP R 47K J 1/10W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R645 VR200			RK73GB2A822J R32-0350-05	CHIP R 8.2K J 1/10W SEMI FIXED VARIABLE RESIS (10K)	
D1 D2 D3,4 D5 D6			UDZS5.6B AVRM16120M6AB 1SS355 UDZS5.6B MA2S784-F	ZENER DIODE VARISTOR DIODE ZENER DIODE DIODE	
D7 D8,9 D100 D101-103 D306,307			UDZS5.6B DA204U EP05Q06 EP05Q04 AVRM16270MAAB	ZENER DIODE DIODE DIODE DIODE VARISTOR	
D500-503 D504 D605-608 D609 D610,611			UDZS6.8B DA204U AVRM16120M6AB AVRM16180M6AB AVRM16120M6AB	ZENER DIODE DIODE VARISTOR VARISTOR VARISTOR	
IC1 IC100 IC101 IC102 IC200			OZ964ISN-C-SN TC7WH123FU-F 74AHC1G04GW LT1947-PBF TA75W558FU-F	ANALOGUE IC MOS-IC MOS-IC ANALOGUE IC ANALOGUE IC	
IC300 IC301 IC302 IC303 IC304		*	S-1112B25MCG MST7988LA-ALF 74LVC3G34DP AT25F2048-6Z1 74AHC1G04GW	ANALOGUE IC MOS-IC MOS-IC ROM IC MOS-IC	
Q1 Q2,3 Q4 Q5 Q140			2SC4081 SI5504DC-E3 2SC4081 DTC114YUA 2SC4081	TRANSISTOR DUAL FET TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR	
Q141 Q202 Q203 Q205 Q300			2SA1576A 2SC4097 2SA1577 UMZ1N 2SA1576A	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
Q301 Q302,303 Q304 Q500 Q501			2SC4081 DTC114YUA DTA123JUA DTA143ZUA DTC143ZUA	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	
Q502 Q503 Q504 Q600 Q601			DTA143ZUA DTC143ZUA DTC114YUA 2SA1576A 2SC4081	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR	
DVD UNIT (X37-1120-06) IN DVD MECHA.					
C3 C4 C5-7 C8 C11			CK73HB1A104K CC73HCH1H471J CK73HB1E103K CC73HCH1H471J CK73HB1E103K	CHIP C 0.10UF K CHIP C 470PF J CHIP C 0.010UF K CHIP C 470PF J CHIP C 0.010UF K	
C14			CK73GB0J106M	CHIP C 10UF M	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.

## PARTS LIST

## DVD UNIT (X37-1120-06) IN DVD MECHA.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C15			CK73HB1A104K	CHIP C 0.10UF K		C261,262			CC73HCH1H331J	CHIP C 330PF J	
C16			CK73GB0J106M	CHIP C 10UF M		C263			CK73HB0J105K	CHIP C 1.0UF K	
C17			CK73GB0J475K	CHIP C 4.7UF K		C265			CK73GB1A105K	CHIP C 1.0UF K	
C18			CK73FB0J226M	CHIP C 22UF M		C266			CK73HB1C333K	CHIP C 0.033UF K	
C20			CC73HCH1H102J	CHIP C 1000PF J		C267			CK73FB0J226M	CHIP C 22UF M	
C50,51			C93-1228-05	CHIP C 1UF M		C270			CK73HB0J105K	CHIP C 1.0UF K	
C54			C93-1228-05	CHIP C 1UF M		C271			CC73HCH1H102J	CHIP C 1000PF J	
C59,60			C93-1228-05	CHIP C 1UF M		C272			CK73HB0J105K	CHIP C 1.0UF K	
C62			C93-1228-05	CHIP C 1UF M		C300,301			CC73HCH1H102J	CHIP C 1000PF J	
C63			CK73FB0J226M	CHIP C 22UF M		C302			CK73GB0J106M	CHIP C 10UF M	
C72			CK73HB1A104K	CHIP C 0.10UF K		C304-306			CK73GB0J106M	CHIP C 10UF M	
C73			CK73GB0J106M	CHIP C 10UF M		C350,351			CC73HCH1H102J	CHIP C 1000PF J	
C100-102			CK73HB1A104K	CHIP C 0.10UF K		C434			CK73GB0J106M	CHIP C 10UF M	
C103			C93-1228-05	CHIP C 1UF M		C435			CK73HB1E103K	CHIP C 0.010UF K	
C104			CK73HB1A104K	CHIP C 0.10UF K		C441			CK73HB1A104K	CHIP C 0.10UF K	
C105			C93-1228-05	CHIP C 1UF M		C442-445			CK73FB0J226M	CHIP C 22UF M	
C106,107			CK73HB1A104K	CHIP C 0.10UF K		C446			CK73HB1A104K	CHIP C 0.10UF K	
C108			C93-1228-05	CHIP C 1UF M		C448,449			C93-1228-05	CHIP C 1UF M	
C109			CK73HB1A104K	CHIP C 0.10UF K		C450			CK73HB1A104K	CHIP C 0.10UF K	
C110			C93-1228-05	CHIP C 1UF M		C452			C93-1228-05	CHIP C 1UF M	
C111			CK73HB1C333K	CHIP C 0.033UF K		C454,455			CK73HB1A104K	CHIP C 0.10UF K	
C112,113			CK73HB1A104K	CHIP C 0.10UF K		C456-458			CK73HB1H682K	CHIP C 6800PF K	
C114			CK73GB1H562K	CHIP C 5600PF K		C461			CK73HB1H472K	CHIP C 4700PF K	
C115			CK73HB1C183K	CHIP C 0.018UF K		C462			CK73HB1E103K	CHIP C 0.010UF K	
C117			CK73HB1A104K	CHIP C 0.10UF K		C464			CK73HB0J105K	CHIP C 1.0UF K	
C118			CK73HB0J105K	CHIP C 1.0UF K		C466			CK73HB1A104K	CHIP C 0.10UF K	
C119			C93-1228-05	CHIP C 1UF M		C467			CC73HCH1H121J	CHIP C 120PF J	
C120,121			CK73HB1A104K	CHIP C 0.10UF K		C468,469			CK73HB1A104K	CHIP C 0.10UF K	
C122,123			CK73GB0J106M	CHIP C 10UF M		C470			CK73HB1E103K	CHIP C 0.010UF K	
C126-129			CK73HB1A104K	CHIP C 0.10UF K		C473			CK73HB1A104K	CHIP C 0.10UF K	
C130-133			CC73HCH1H151J	CHIP C 150PF J		C474			CC73HCH1H102J	CHIP C 1000PF J	
C134			CC73HCH1H102J	CHIP C 1000PF J		C476			CC73HCH1H101J	CHIP C 100PF J	
C135,136			C93-1228-05	CHIP C 1UF M		C477-479			CK73FB0J226M	CHIP C 22UF M	
C137,138			CK73HB0J105K	CHIP C 1.0UF K		C480			CK73HB1A104K	CHIP C 0.10UF K	
C139,140			C93-1228-05	CHIP C 1UF M		C481			CC73HCH1H151J	CHIP C 150PF J	
C142			C93-1228-05	CHIP C 1UF M		C482			CC73HCH1H471J	CHIP C 470PF J	
C143,144			CC73HCH1H100D	CHIP C 10PF D		C483			CC73HCH1H102J	CHIP C 1000PF J	
C145-149			CK73HB1A104K	CHIP C 0.10UF K		C484			CK73HB1E103K	CHIP C 0.010UF K	
C151,152			C93-1228-05	CHIP C 1UF M		C485			CC73HCH1H151J	CHIP C 150PF J	
C153,154			CK73HB1A104K	CHIP C 0.10UF K		C486			CC73HCH1H471J	CHIP C 470PF J	
C158			CK73HB1A104K	CHIP C 0.10UF K		C487			CC73HCH1H102J	CHIP C 1000PF J	
C162			CK73HB1A104K	CHIP C 0.10UF K		C488			CK73HB1E103K	CHIP C 0.010UF K	
C164-169			CK73GB0J106M	CHIP C 10UF M		C489			CC73HCH1H151J	CHIP C 150PF J	
C200-203			CK73GB0J106M	CHIP C 10UF M		C490			CC73HCH1H471J	CHIP C 470PF J	
C207,208			CK73HB1A104K	CHIP C 0.10UF K		C491			CC73HCH1H102J	CHIP C 1000PF J	
C220-223			CK73HB0J105K	CHIP C 1.0UF K		C492			CK73HB1E103K	CHIP C 0.010UF K	
C224			CK73HB1E103K	CHIP C 0.010UF K		C493			CC73HCH1H151J	CHIP C 150PF J	
C226			CK73FB0J226M	CHIP C 22UF M		C494			CC73HCH1H471J	CHIP C 470PF J	
C229,230			CK73HB1E103K	CHIP C 0.010UF K		C495			CC73HCH1H102J	CHIP C 1000PF J	
C231			CC73HCH1H102J	CHIP C 1000PF J		C496			CK73HB1E103K	CHIP C 0.010UF K	
C250			CC73HCH1H102J	CHIP C 1000PF J		C497,498			CK73FB0J226M	CHIP C 22UF M	
C251,252			CC73HCH1H221J	CHIP C 220PF J		C504,505			CK73HB1H472K	CHIP C 4700PF K	
C253			CC73HCH1H102J	CHIP C 1000PF J		C506,507			CC73HCH1H102J	CHIP C 1000PF J	
C254,255			CC73HCH1H221J	CHIP C 220PF J		C510			CC73HCH1H102J	CHIP C 1000PF J	
C256			CK73HB1A104K	CHIP C 0.10UF K		C511			CK73GB0J106M	CHIP C 10UF M	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

## PARTS LIST

## DVD UNIT (X37-1120-06) IN DVD MECHA.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C512 C513-515 C516 C517 C518,519			CK73HB0J105K CK73HB1A104K CK73HB1C333K CK73HB1E103K CC73HCH1H470J	CHIP C 1.0UF K CHIP C 0.10UF K CHIP C 0.033UF K CHIP C 0.010UF K CHIP C 47PF J	
C520 C521 C522 C523 C524			CC73HCH1H102J CK73HB0J105K CC73HCH1H151J CC73HCH1H471J CC73HCH1H102J	CHIP C 1000PF J CHIP C 1.0UF K CHIP C 150PF J CHIP C 470PF J CHIP C 1000PF J	
C525 C526 C527 C528 C529			CK73HB1E103K CC73HCH1H151J CC73HCH1H471J CC73HCH1H102J CK73HB1E103K	CHIP C 0.010UF K CHIP C 150PF J CHIP C 470PF J CHIP C 1000PF J CHIP C 0.010UF K	
C530			CK73HB0J105K	CHIP C 1.0UF K	
CN1 CN3 CN6 CN10			E41-2594-05 E41-2596-05 E41-2603-05 E41-2602-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR	
L1 L2-4 L5,6 L7,8 L10			L92-0365-05 L92-0612-05 L92-0611-05 L92-0612-05 L33-2281-05	CHIP FERRITE CHIP FERRITE CHIP FERRITE CHIP FERRITE SMALL FIXED INDUCTOR	
L11 L12-14 L15 L20 L21			L33-2280-05 L92-0365-05 L92-0612-05 L92-0617-05 L92-0612-05	SMALL FIXED INDUCTOR CHIP FERRITE CHIP FERRITE CHIP FERRITE CHIP FERRITE	
L22 X1			L92-0838-05 L77-2924-05	CHIP FERRITE CRYSTAL RESONATOR (27MHZ,30PPM)	
CP1-9 CP36,37 CP44,45 CP54-56 CP57			RK74HB1J470J RK74HB1J103J RK74HB1J330J RK74HB1J330J RK74HB1J820J	CHIP-COM 47 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 33 J 1/16W CHIP-COM 33 J 1/16W CHIP-COM 82 J 1/16W	
CP58 CP59-68 CP69 CP70-73 R1-4			RK74HB1J330J RK74HB1J103J RK74HB1J220J RK74HB1J103J RK73HB1J103J	CHIP-COM 33 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 22 J 1/16W CHIP-COM 10K J 1/16W CHIP R 10K J 1/16W	
R5,6 R10 R16 R17 R19			RK73HH1J123D RK73HB1J163J RK73HB1J103J RK73HB1J271J RK73HB1J301J	CHIP R 12K D 1/16W CHIP R 16K J 1/16W CHIP R 10K J 1/16W CHIP R 270 J 1/16W CHIP R 300 J 1/16W	
R21,22 R24 R79 R80 R81			RK73HH1J103D RK73HB1J4R7J RK73HB1J102J RK73HB1J220J RK73HB1J470J	CHIP R 10K D 1/16W CHIP R 4.7 J 1/16W CHIP R 1.0K J 1/16W CHIP R 22 J 1/16W CHIP R 47 J 1/16W	
R84,85			RK73HB1J202J	CHIP R 2.0K J 1/16W	
R86 R87 R89 R90 R91			RK73HB1J105J RK73HB1J102J RK73HH1J303D RK73HB1J223J RK73HB1J470J	CHIP R 1.0M J 1/16W CHIP R 1.0K J 1/16W CHIP R 30K D 1/16W CHIP R 22K J 1/16W CHIP R 47 J 1/16W	
R92 R94 R111 R112,113 R116			RK73HH1J123D RK73HH1J512D RK73HB1J220J RK73HB1J101J RK73HB1J103J	CHIP R 12K D 1/16W CHIP R 5.1K D 1/16W CHIP R 22 J 1/16W CHIP R 100 J 1/16W CHIP R 10K J 1/16W	
R119 R121 R122 R131 R150,151			RK73HB1J103J RK73HB1J182J RK73HB1J472J RK73HB1J220J RK73HB1J100J	CHIP R 10K J 1/16W CHIP R 1.8K J 1/16W CHIP R 4.7K J 1/16W CHIP R 22 J 1/16W CHIP R 10 J 1/16W	
R152,153 R154,155 R156,157 R158,159 R162,163			RK73HB1J471J RK73HB1J751J RK73HB1J560J RK73HB1J2R2J RK73HB1J104J	CHIP R 470 J 1/16W CHIP R 750 J 1/16W CHIP R 56 J 1/16W CHIP R 2.2 J 1/16W CHIP R 100K J 1/16W	
R164,165 R200-203 R204-207 R208 R251			RK73HH1J101D RK73HH1J201D RK73HH1J151D RK73HB1J4R7J RK73HB1J1R0J	CHIP R 100 D 1/16W CHIP R 200 D 1/16W CHIP R 150 D 1/16W CHIP R 4.7 J 1/16W CHIP R 1.0 J 1/16W	
R254 R255 R256 R257 R258			RK73HH1J912D RK73HH1J752D RK73HH1J331D RK73HH1J912D RK73HH1J752D	CHIP R 9.1K D 1/16W CHIP R 7.5K D 1/16W CHIP R 330 D 1/16W CHIP R 9.1K D 1/16W CHIP R 7.5K D 1/16W	
R259 R260 R261 R262 R263			RK73HH1J331D RK73HH1J912D RK73HH1J752D RK73HH1J331D RK73HH1J912D	CHIP R 330 D 1/16W CHIP R 9.1K D 1/16W CHIP R 7.5K D 1/16W CHIP R 330 D 1/16W CHIP R 9.1K D 1/16W	
R264 R265 R266,267 R269 R275,276			RK73HH1J752D RK73HH1J331D RK73HH1J101D RK73HB1J100J RK73HB1J472J	CHIP R 7.5K D 1/16W CHIP R 330 D 1/16W CHIP R 100 D 1/16W CHIP R 10 J 1/16W CHIP R 4.7K J 1/16W	
R300,301 R302,303 R304 R305 R350,351			RK73HH1J472D RK73HH1J183D RK73HH1J202D RK73HB1J163J RK73HB1J4R7J	CHIP R 4.7K D 1/16W CHIP R 18K D 1/16W CHIP R 2.0K D 1/16W CHIP R 16K J 1/16W CHIP R 4.7 J 1/16W	
R400-402 R409 R410,411 R450 R458			RK73HB1J470J RK73HB1J470J RK73HB1J102J RK73HB1J202J RK73HB1J220J	CHIP R 47 J 1/16W CHIP R 47 J 1/16W CHIP R 1.0K J 1/16W CHIP R 2.0K J 1/16W CHIP R 22 J 1/16W	
R464,465 R467 R468-470 R471 R472,473			RK73HH1J101D RK73HB1J470J RK73HB1J103J RK73HB1J820J RK73HB1J330J	CHIP R 100 D 1/16W CHIP R 47 J 1/16W CHIP R 10K J 1/16W CHIP R 82 J 1/16W CHIP R 33 J 1/16W	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## DVD UNIT (X37-1120-06) IN DVD MECHA.

Ref. No.	Add	New	Parts No.	Description	Destination
R475			R92-3350-05	CHIP R 2.2 F 1/10W	
R476			R92-5112-05	CHIP R 4.7 F 1/10W	
R477			RK73GH2A111D	CHIP R 110 D 1/10W	
R478			RK73HH1J472D	CHIP R 4.7K D 1/16W	
R480			RK73HH1J202D	CHIP R 2.0K D 1/16W	
R481			RK73HH1J203D	CHIP R 20K D 1/16W	
R482-484			RK73HB1J820J	CHIP R 82 J 1/16W	
R485			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R486,487			RK73HB1J103J	CHIP R 10K J 1/16W	
R489			RK73HB1J220J	CHIP R 22 J 1/16W	
R491-493			RK73HB1J751J	CHIP R 750 J 1/16W	
R496,497			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R498			RK73HB1J101J	CHIP R 100 J 1/16W	
R501			RK73HH1J132D	CHIP R 1.3K D 1/16W	
R502			RK73HH1J333D	CHIP R 33K D 1/16W	
R503			RK73HH1J203D	CHIP R 20K D 1/16W	
R504			RK73HB1J242J	CHIP R 2.4K J 1/16W	
R505			RK73HB1J821J	CHIP R 820 J 1/16W	
R507			RK73HB1J103J	CHIP R 10K J 1/16W	
R508			RK73HB1J225J	CHIP R 2.2M J 1/16W	
R509			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R510			RK73HB1J103J	CHIP R 10K J 1/16W	
R511			RK73HB1J473J	CHIP R 47K J 1/16W	
R512,513			RK73HB1J103J	CHIP R 10K J 1/16W	
R514-517			RK73HB1J220J	CHIP R 22 J 1/16W	
R518-522			RK73HB1J103J	CHIP R 10K J 1/16W	
R523,524			RK73HB1J4R7J	CHIP R 4.7 J 1/16W	
R525			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R530			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R531			RK73HB1J471J	CHIP R 470 J 1/16W	
R532			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R533			RK73HH1J683D	CHIP R 68K D 1/16W	
R535-538			RK73HH1J821D	CHIP R 820 D 1/16W	
R539			RK73HB1J4R7J	CHIP R 4.7 J 1/16W	
R541			RK73HH1J122D	CHIP R 1.2K D 1/16W	
R544-559			RK73HB1J2R2J	CHIP R 2.2 J 1/16W	
R560			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R561,562			RK73HH1J682D	CHIP R 6.8K D 1/16W	
R563			RK73HH1J122D	CHIP R 1.2K D 1/16W	
R564			RK73HB1J4R7J	CHIP R 4.7 J 1/16W	
R574-576			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R583,584			RK73HH1J391D	CHIP R 390 D 1/16W	
R588			R92-5112-05	CHIP R 4.7 F 1/10W	
R591			RK73HB1J820J	CHIP R 82 J 1/16W	
R599,600			RK73HB1J103J	CHIP R 10K J 1/16W	
R601-604			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R605,606			RK73HB1J103J	CHIP R 10K J 1/16W	
R614			RK73HH1J102D	CHIP R 1.0K D 1/16W	
R615			RK73HB1J1R0J	CHIP R 1.0 J 1/16W	
R617			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R619			RK73HB1J513J	CHIP R 51K J 1/16W	
R620			RK73HB1J333J	CHIP R 33K J 1/16W	
R621			RK73HB1J103J	CHIP R 10K J 1/16W	
R622			RK73HB1J333J	CHIP R 33K J 1/16W	
R623			RK73HB1J220J	CHIP R 22 J 1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
R624-626			RK73HH1J332D	CHIP R 3.3K D 1/16W	
R627			RK73HB1J103J	CHIP R 10K J 1/16W	
R628,629			R92-5147-05	CHIP R 1.2 D 1/4W	
R630,631			R92-5146-05	CHIP R 1.0 D 1/4W	
R632			RK73HH1J270D	CHIP R 27 D 1/16W	
R633			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R634			RK73HB1J103J	CHIP R 10K J 1/16W	
R636			RK73HB1J220J	CHIP R 22 J 1/16W	
R638-645			RK73HB1J2R2J	CHIP R 2.2 J 1/16W	
S1			S68-0911-15	PUSH SWITCH	
S2			S68-0914-05	PUSH SWITCH	
D5,6			015AZ5.1-F(Y)	ZENER DIODE	
D7			1SS402-F	DIODE	
IC1			MN2DS0016AAUB	MOS-IC	
IC5			-	ROM IC	
IC9			-	ROM IC	
IC10			AN41250A-VB	ANALOGUE IC	
IC12			MM1671XNRE	ANALOGUE IC	
IC15			AK4396VF	MOS-IC	
IC21			-	MOS-IC	
IC39			NJU7042	ANALOGUE IC	
IC42			TC74VHC273FT	MOS-IC	
IC49			TC7SG04FU-F	MOS-IC	
IC50,51			NJM4580V-ZB	ANALOGUE IC	
IC54	*		HYI39S12816F7	DRAM IC	
IC55			TC7WH32FU-F	MOS-IC	
IC56			HD74LV1GW57AE	MOS-IC	
IC57			NJM2573V-ZB	ANALOGUE IC	
IC60			-	ANALOGUE IC	
Q1-4			DTA143XE	DIGITAL TRANSISTOR	
Q10,11			2SC4617	TRANSISTOR	
Q12,13			2SB1709	TRANSISTOR	
Q14,15			2SK3019	FET	
Q20,21			2SK3019	FET	
Q24			SSM3J15FU-F	FET	
Q25			DTA143XE	DIGITAL TRANSISTOR	
Q27			DTA143ZE	DIGITAL TRANSISTOR	
Q28,29			2SA1774	TRANSISTOR	
<b>DIGITAL I/O UNIT (X88-2030-10)</b>					
C100,101			CC73HCH1H101J	CHIP C 100PF J	
C102-105			CK73HB1A104K	CHIP C 0.10UF K	
C106			CK73FB0J106K	CHIP C 10UF K	
C107-110			CK73HB1A104K	CHIP C 0.10UF K	
C112			CK73EB0J226K	CHIP C 22UF K	
C113			C92-1983-05	ELECTRO 100UF 4WV	
C114-124			CK73HB1A104K	CHIP C 0.10UF K	
C126-130			CK73HB1A104K	CHIP C 0.10UF K	
C133,134			CK73FB0J106K	CHIP C 10UF K	
C135			CK73HB1A104K	CHIP C 0.10UF K	
C138,139			CC73HCH1H100D	CHIP C 10PF D	
C140			CK73HB0J105K	CHIP C 1.0UF K	
C142			CE32BNQJ221M	CHIP EL 220UF 6.3WV	
C143			CK73HB0J105K	CHIP C 1.0UF K	
C144			CK73HB1A104K	CHIP C 0.10UF K	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△ Indicates safety critical components.

The IC5,9,21 and IC60 in the DVD unit (X37-1120-06) are not replaceable components. When these ICs are defective, replace the whole DVD mechanism assembly (X92-6180-01).

## PARTS LIST

## DIGITAL I/O UNIT (X88-2030-10)

Ref. No.	Ad	New	Parts No.	Description	Destination
C148 C149 C153 C154 C200			CE32BN0J221M CK73HB1A104K CK73HB0J105K CK73HB1A104K CC73HCH1H220J	CHIP EL 220UF 6.3WV CHIP C 0.10UF K CHIP C 1.0UF K CHIP C 0.10UF K CHIP C 22PF J	
C201 C202 C217-226 C227,228 C233-236			CK73HB1A104K CC73HCH1H220J CK73HB1A104K CK73FB0J106K CK73HB1A104K	CHIP C 0.10UF K CHIP C 22PF J CHIP C 0.10UF K CHIP C 10UF K CHIP C 0.10UF K	
C244 C264 C275 C309-312 C318			CK73FB0J106K CK73HB1A104K CK73FB0J106K CK73HB1A104K CK73HB1A104K	CHIP C 10UF K CHIP C 0.10UF K CHIP C 10UF K CHIP C 0.10UF K CHIP C 0.10UF K	
C322 C329 C331 C332 C336			CK73HB1A104K CC73HCH1H270J CK73FB0J106K CK73HB1A104K CK73FB0J106K	CHIP C 0.10UF K CHIP C 27PF J CHIP C 10UF K CHIP C 0.10UF K CHIP C 10UF K	
C337,338 C340,341 C342 C456 C460			CK73HB1H152K CC73HCH1H331J CK73HB1E103K CK73EB1A106K CK73HB1A104K	CHIP C 1500PF K CHIP C 330PF J CHIP C 0.010UF K CHIP C 10UF K CHIP C 0.10UF K	
C468 C482 C601,602 C700-713 C715			CK73FB0J106K CK73GB1H222K CC73HCH1H470J CK73HB1H222K CK73HB1A104K	CHIP C 10UF K CHIP C 2200PF K CHIP C 47PF J CHIP C 2200PF K CHIP C 0.10UF K	
C900 C901,902 C903,904 C905 C906			CK73HB1H222K CK73HB1H102K CK73HB1H222K CK73HB1H102K CK73FB0J106K	CHIP C 2200PF K CHIP C 1000PF K CHIP C 2200PF K CHIP C 1000PF K CHIP C 10UF K	
C907,908 C909 C910 C912			CK73HB1A104K CK73FB0J106K CK73HB1C473K CK73HB1A104K	CHIP C 0.10UF K CHIP C 10UF K CHIP C 0.047UF K CHIP C 0.10UF K	
CN101 CN210 CN328			E41-2839-05 E41-2195-05 E41-2237-05	PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR	
L900-903 X100 X202			L92-0321-05 L77-2941-05 L77-2917-15	CHIP FERRITE CRYSTAL RESONATOR (14.7456MHZ) CRYSTAL RESONATOR (32.768KHZ)	
CP104-109 CP117-127 CP128-134 CP135-138 CP139-142			RK74HB1J220J RK74HB1J220J RK74HB1J103J RK74HB1J220J RK74HB1J330J	CHIP-COM 22 J 1/16W CHIP-COM 22 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 22 J 1/16W CHIP-COM 33 J 1/16W	
CP143-146 CP147-154 CP155-160 R1,2			RK74HB1J680J RK74HB1J103J RK74HB1J220J RK73HB1J473J	CHIP-COM 68 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 22 J 1/16W CHIP R 47K J 1/16W	

Ref. No.	Ad	New	Parts No.	Description	Destination
R9,10 R12 R13 R14 R15,16			RK73HB1J220J RK73HB1J000J RK73HB1J473J RK73HB1J561J RK73EB2E000J	CHIP R 22 J 1/16W CHIP R 0.0 J 1/16W CHIP R 47K J 1/16W CHIP R 560 J 1/16W CHIP R 0.0 J 1/4W	
R17,18 R24 R29 R30 R32			RK73HB1J153J RK73HB1J220J RK73HB1J473J RK73HB1J472J RK73HB1J472J	CHIP R 15K J 1/16W CHIP R 22 J 1/16W CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W	
R33 R34-37 R104 R105 R107-109			RK73HB1J473J RK73FB2B330J RK73HB1J330J RK73HB1J103J RK73HB1J103J	CHIP R 47K J 1/16W CHIP R 33 J 1/8W CHIP R 33 J 1/16W CHIP R 10K J 1/16W CHIP R 10K J 1/16W	
R112 R115 R116 R118 R121			RK73HB1J222J RK73HB1J222J RK73HB1J103J RK73HB1J103J RK73HB1J222J	CHIP R 2.2K J 1/16W CHIP R 2.2K J 1/16W CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 2.2K J 1/16W	
R123 R124 R126 R129 R130,131			RK73HB1J222J RK73HB1J473J RK73HB1J473J RK73HB1J222J RK73HB1J220J	CHIP R 2.2K J 1/16W CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 2.2K J 1/16W CHIP R 22 J 1/16W	
R134 R139 R140 R141,142 R145,146			RK73HB1J220J RK73HB1J105J RK73HB1J222J RK73EB2E000J RK73HB1J153J	CHIP R 22 J 1/16W CHIP R 1.0M J 1/16W CHIP R 2.2K J 1/16W CHIP R 0.0 J 1/4W CHIP R 15K J 1/16W	
R147 R148 R149 R150 R153			RK73HB1J220J RK73HB1J473J RK73HB1J472J RK73HB1J220J RK73HB1J000J	CHIP R 22 J 1/16W CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W CHIP R 22 J 1/16W CHIP R 0.0 J 1/16W	
R157-159 R163 R164,165 R166-169 R170,171			RK73HB1J220J RK73HB1J220J RK73HB1J470J RK73HB1J220J RK73HB1J330J	CHIP R 22 J 1/16W CHIP R 22 J 1/16W CHIP R 47 J 1/16W CHIP R 22 J 1/16W CHIP R 33 J 1/16W	
R172,173 R174,175 R176 R177-192 R193-198			RK73HB1J680J RK73HB1J470J RK73HB1J220J RK73HB1J473J RK73HB1J220J	CHIP R 68 J 1/16W CHIP R 47 J 1/16W CHIP R 22 J 1/16W CHIP R 47K J 1/16W CHIP R 22 J 1/16W	
R199 R200 R202 R203 R219-221			RK73HB1J473J RK73HB1J330J RK73HB1J106J RK73HB1J334J RK73HB1J472J	CHIP R 47K J 1/16W CHIP R 33 J 1/16W CHIP R 10M J 1/16W CHIP R 330K J 1/16W CHIP R 4.7K J 1/16W	
R223 R248-250 R255 R258-260 R265-270			RK73HB1J473J RK73HB1J473J RK73HH1J104D RK73HB1J473J RK73HB1J472J	CHIP R 47K J 1/16W CHIP R 47K J 1/16W CHIP R 100K D 1/16W CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W	

**E1** : DDX8022BT   **E2** : DDX8022BTY   **E3** : DNX8220BT (Europe)  
**K** : DDX812   **K1** : DNX8120 (North America)  
**X1** : DDX8032BT (Australia)   **R1** : DDX8032BT (Latin America)  
**M1** : DDX8032BT   **M3** : DDX8032BTM (Other Areas)

△Indicates safety critical components.



## PARTS LIST

## DIGITAL I/O UNIT (X88-2030-10)

Ref. No.	Ad d	New	Parts No.	Description	Desti- nation
R273			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R284-287			RK73HB1J473J	CHIP R 47K J 1/16W	
R291			RK73HB1J330J	CHIP R 33 J 1/16W	
R292-295			RK73HB1J473J	CHIP R 47K J 1/16W	
R297			RK73HB1J103J	CHIP R 10K J 1/16W	
R304,305			RK73HB1J103J	CHIP R 10K J 1/16W	
R308			RK73HB1J103J	CHIP R 10K J 1/16W	
R310			RK73HB1J103J	CHIP R 10K J 1/16W	
R320-322			RK73HB1J103J	CHIP R 10K J 1/16W	
R324,325			RK73HB1J123J	CHIP R 12K J 1/16W	
R326,327			RK73HB1J752J	CHIP R 7.5K J 1/16W	
R328,329			RK73HB1J392J	CHIP R 3.9K J 1/16W	
R332,333			RK73HB1J151J	CHIP R 150 J 1/16W	
R438			RK73HB1J103J	CHIP R 10K J 1/16W	
R440			RK73HB1J103J	CHIP R 10K J 1/16W	
R481,482			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R485-487			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R506,507			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R522			RK73HB1J680J	CHIP R 68 J 1/16W	
R523			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R600,601			RK73HB1J220J	CHIP R 22 J 1/16W	
R602,603			RK73HB1J153J	CHIP R 15K J 1/16W	
R604,605			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R701			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R703			RK73GB2A106J	CHIP R 10M J 1/10W	
R705			RK73HB1J331J	CHIP R 330 J 1/16W	
R707,708			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R710			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R713-715			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R903			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R910-912			RK73HB1J473J	CHIP R 47K J 1/16W	
R917			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R918			RK73HB1J222J	CHIP R 2.2K J 1/16W	
R919			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R923			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R926			RK73GB2A106J	CHIP R 10M J 1/10W	
R927,928			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R929			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R930			RK73EB2E000J	CHIP R 0.0 J 1/4W	
R931			RK73HB1J000J	CHIP R 0.0 J 1/16W	
R933,934			RK73HB1J103J	CHIP R 10K J 1/16W	
D102,103			AVRL1613R3FTA	VARISTOR	
D106,107			AVRL1613R3FTA	VARISTOR	
IC100,101			MIC2005-08YM6	MOS-IC	
IC104		*	74HC1G86GW	MOS-IC	
IC105			SI-3018KM	ANALOGUE IC	
IC106			-	MICROPROCESSOR IC	
IC108			74AHC1G04GW	MOS-IC	
IC200			TC7WHU04FU-F	MOS-IC	
IC202,203			MT48LC16M16P75	DRAM IC	
IC207			341S2094	MICROPROCESSOR IC	
IC211		*	GL256N10TF0A3	ROM IC	
IC302			BH7240AKV	MOS-IC	
IC305			NJM2100V-ZB	ANALOGUE IC	

E1 : DDX8022BT E2 : DDX8022BTY E3 : DNX8220BT (Europe)  
K : DDX812 K1 : DNX8120 (North America)  
X1 : DDX8032BT (Australia) R1 : DDX8032BT (Latin America)  
M1 : DDX8032BT M3 : DDX8032BTM (Other Areas)

Ref. No.	Ad d	New	Parts No.	Description	Desti- nation
IC901			PCM1754DB	MOS-IC	
IC902			TAR5S50-F	ANALOGUE IC	
IC903			TC7WH08FK-F	MOS-IC	
<b>DAUGHTER UNIT (X89-3062-71)</b>					
C1			CC73GCH1H180J	CHIP C 18PF J	E3
C2			CC73GCH1H070D	CHIP C 7.0PF D	E3
C3			CC73GCH1H150J	CHIP C 15PF J	E3
C4			CC73GCH1H180J	CHIP C 18PF J	E3
C5			CC73GCH1H390J	CHIP C 39PF J	E3
C6			CC73GCH1H020C	CHIP C 2.0PF C	E3
C7			CC73GCH1H120J	CHIP C 12PF J	E3
C8			CK73FB1C105K	CHIP C 1.0UF K	E3
C10-12			CC73GCH1H102J	CHIP C 1000PF J	E3
C13			CC73GCH1H221J	CHIP C 220PF J	E3
C14			CC73GCH1H030C	CHIP C 3.0PF C	E3
C15,16			CC73GCH1H560J	CHIP C 56PF J	E3
C17			CC73GCH1H102J	CHIP C 1000PF J	E3
CN2		*	E41-3009-05	PIN ASSY	E3
W1		*	E30-6804-05	CORD WITH PLUG (JASO)	E3
W2		*	E30-6805-05	CORD WITH PLUG (PIN)	E3
L1			L41-2705-33	SMALL FIXED INDUCTOR (27U)	E3
L2			L41-1588-18	SMALL FIXED INDUCTOR	E3
L3			L41-1805-33	SMALL FIXED INDUCTOR (18U)	E3
L4,5			L41-1588-18	SMALL FIXED INDUCTOR	E3
L6		*	L19-0825-05	BALUN TRANSFORMER	E3
L8		*	L41-1888-18	SMALL FIXED INDUCTOR (0.18U)	E3
R1			RK73GB2A104J	CHIP R 100K J 1/10W	E3
R3			RK73GB2A562J	CHIP R 5.6K J 1/10W	E3
R4			RK73GB2A332J	CHIP R 3.3K J 1/10W	E3
R5			RK73GB2A331J	CHIP R 330 J 1/10W	E3
R6			RK73GB2A391J	CHIP R 390 J 1/10W	E3
R7,8			RK73GB2A330J	CHIP R 33 J 1/10W	E3
R10			RK73GB2A431J	CHIP R 430 J 1/10W	E3
R11			RK73GB2A270J	CHIP R 27 J 1/10W	E3
R12			RK73GB2A431J	CHIP R 430 J 1/10W	E3
R13			RK73GB2A151J	CHIP R 150 J 1/10W	E3
R14			RK73GB2A431J	CHIP R 430 J 1/10W	E3
R15			RK73GB2A270J	CHIP R 27 J 1/10W	E3
R17			RK73GB2A431J	CHIP R 430 J 1/10W	E3
D1			IMSA-6801-E	SURGE ABSORBER	E3
Q1			2SC3357-A	TRANSISTOR	E3
<b>DVD MECHANISM ASSY (X92-6180-01) (DVS-8561V)</b>					
1	1A	*	A10-5331-61	CHASSIS	
2	2B		A10-5332-51	CHASSIS	
3	1A		A10-5333-31	CHASSIS	
4	3A		A10-5460-02	CHASSIS	
7	1B		D10-4918-22	ARM	
8	1B		D10-4919-22	ARM	
9	1B		D10-4920-02	LEVER	
10	1B		D10-4921-02	LEVER	
12	2B		D10-4922-12	SLIDER	
13	2A		D10-7011-02	ARM	

△ Indicates safety critical components.

The IC106 in the Digital I/O unit (X88-2030-10) are not replaceable components. When this IC are defective, replace the whole Digital I/O unit (X88-2030-10).

PARTS LIST

DVD MECHANISM ASSY (X92-6180-01) (DVS-8561V)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
14	2B		D10-4924-13	ARM							
15	2B		D10-4925-12	ARM							
25	2B		D10-4973-04	SLIDER ASSY							
27	2A		D10-4945-04	LEVER							
28	2B		D12-0639-02	CAM							
31	2B		D13-2402-04	GEAR							
32	2B		D13-2403-04	GEAR							
33	2B		D13-2404-04	GEAR							
34	2B		D13-2405-04	GEAR							
35	2B		D13-2406-04	GEAR							
36	2B		D13-2407-04	GEAR							
40	2A		D13-2413-04	GEAR							
41	2A		D13-2415-04	GEAR							
42	2A		D13-2416-04	GEAR							
43	1B		D14-1013-14	ROLLER							
53	1B		D21-2487-24	SHAFT							
54	2A		D39-0275-05	DAMPER							
55	2A		D39-0276-05	DAMPER							
60	3A		F09-2825-23	SHEET							
65	2B		G01-3298-04	EXTENSION SPRING							
66	1B		G01-3299-04	EXTENSION SPRING							
67	2A		G01-3300-14	TORSION COIL SPRING							
68	2B		G01-4601-04	EXTENSION SPRING							
69	1B		G01-4602-04	EXTENSION SPRING							
70	1B		G01-4604-04	TORSION COIL SPRING							
74	2B		G01-4609-14	TORSION COIL SPRING							
75	1B		G02-1564-03	FLAT SPRING							
79	2A		J22-0475-21	MOUNTING HARDWARE							
80	3B		J22-0636-01	MOUNTING HARDWARE							
A	1A		N09-6382-05	MACHINE SCREW (M1.7X2.0)							
B	3B		N09-6408-15	TAPTITE SCREW (1.7X4 P-TITE)							
C	1B		N09-6426-15	MACHINE SCREW (LOAD ARM SCREW)							
D	3A		N09-6104-05	MACHINE SCREW (2X10 S-TITE)							
93	2A		T99-0471-05	MAGNET							
96	1B		X94-2080-00	ROLLER ASSY							
98	2A		X94-2060-00	TRAVERSE ASSY (PICKUP,SPINDLE)							
VM1	2A		X94-2070-00	MOTOR ASSY (LOADING)							

# SPECIFICATIONS (K/R TYPE)

## Monitor section

Picture Size .....	6.95 inches (diagonal) wide 156.2 mm (W) x 82.4 mm (H)
Display System.....	Transparent TN LCD panel
Drive System .....	TFT active matrix system
Number of Pixels .....	336,960 (480H x 234V x RGB)
Effective Pixels .....	99.99 %
Pixel Arrangement .....	RGB striped arrangement
Back Lighting .....	Cold Cathode Fluorescent Tube

## DVD player section

D/A Converter.....	24 bit
Audio Decoder .....	Linear PCM/ Dolby Prologic II/ Dolby Digital/ dts/MLP/ MP3/ WMA/ AAC
Video Decoder.....	MPEG1/ MPEG2/ MPEG4 (DivX)
Wow & Flutter .....	Below Measurable Limit
Frequency Response	
Sampling frequency; 192 kHz.....	20 – 88,000 Hz
Sampling frequency; 176.4 kHz.....	20 – 80,000 Hz
Sampling frequency; 96 kHz.....	20 – 44,000 Hz
Sampling frequency; 88.2 kHz.....	20 – 40,000 Hz
Sampling frequency; 48 kHz.....	20 – 22,000 Hz
Sampling frequency; 44.1 kHz.....	20 – 20,000 Hz
Total Harmonic Distortion.....	0.008 % (1 kHz)
S/N Ratio (dB).....	98 dB (DVD-Audio 192 kHz)
Dynamic Range .....	98 dB (DVD-Audio 192 kHz)
Disc Format .....	DVD-Audio/Video/ VIDEO-CD/ CD-DA
Sampling Frequency .....	44.1/ 48/ 88.2/ 96/ 176.4/ 192 kHz
Quantifying Bit Number .....	16/ 20/ 24 bit

## USB interface section

USB Standard .....	USB 1.1/ 2.0
File System .....	FAT 16/ 32
Maximum Power Supply Current .....	500 mA
D/A Converter.....	24 Bit
Audio Decoder .....	MP3/ WMA/ AAC

## FM tuner section

Frequency Range (200 kHz) .....	87.9 MHz – 107.9 MHz
Usable Sensitivity (S/N : 30 dB) .....	9.3 dBf (0.8 $\mu$ V/ 75 $\Omega$ )
Quieting Sensitivity (S/N : 50 dB) .....	15.2 dBf (1.6 $\mu$ V/ 75 $\Omega$ )
Frequency Response ( $\pm$ 3.0 dB).....	30 Hz – 15 kHz
S/N Ratio (dB).....	70 dB (MONO)
Selectivity ( $\pm$ 400 kHz) .....	$\geq$ 80 dB
Stereo Separation.....	40 dB (1 kHz)

## AM tuner section

Frequency Range (10 kHz) .....	530 kHz – 1700 kHz
Usable Sensitivity .....	28 dB $\mu$

## Video section

Color System of External Video Input .....	NTSC
External Video Input Level (mini jack).....	1 Vp-p/ 75 $\Omega$
External Audio Max Input Level (mini jack) .....	2 V/ 25 k $\Omega$
Video Output Level (RCA jacks) .....	1 Vp-p/ 75 $\Omega$

Audio Output Level (RCA jacks).....	1.2 V/ 10 k $\Omega$
Analog RGB input (DDX812/DDX8032BT only) .....	0.7 Vp-p/ 75 $\Omega$

## Audio section

Maximum Power (Front & Rear) .....	50 W x 4
Full Bandwidth Power (Front & Rear) (4 $\Omega$ , 14.4 V, 1 % THD) .....	22 W x 4
Preout Level (V) .....	5 V/ 10 k $\Omega$
Preout Impedance .....	80 $\Omega$
Speaker Impedance .....	4 – 8 $\Omega$

## External SW

Maximum Power Supply Current .....	500 mA
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## Bluetooth section

Technology .....	Bluetooth Ver.1.2 Certified
Frequency.....	2.402 – 2.480 GHz
Output Power .....	+4dBm (MAX), 0dBm (AVE), Power Class2
Maximum Communication range .....	Line of sight approx. 10m (32.8 ft)
Profile	
HFP (Hands Free Profile), SPP (Serial Port Profile), HSP (Headset Profile), A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile), OPP (Object Push Profile), PBAP (Phonebook Access Profile), SYNC (Synchronization Profile)	

## DSP Section

Graphics equalizer	
Band .....	13 Band
Frequency (BAND1 – 13) .....	62.5/100/160/250/400/ 630/1k/1.6k/2.5k/4k/6.3k/10k/16k Hz
Front/ Rear/ Center	
Gain .....	-9/-7/-5/-3/-2/-1/0/1/2/3/5/7/9dB
X'over	
High pass filter:	
Frequency .....	Through, 30/40/50/60/70/80/90/ 100/120/150/180/220/250Hz
Slope.....	12/18/24dB/Oct
Low pass filter:	
Frequency .....	30/40/50/60/70/80/90/100/120/150/180/220/250Hz
Slope.....	12/18/24dB/Oct
Time alignment	
Front/ Rear/ Sub Woofer.....	0~6.1m (5cm Step) 0~20.3ft (0.17ft Step)
Center .....	0~3.4m (5cm Step) 0~11.3ft (0.17ft Step)
Channel level .....	$\pm$ 10dB

## Navigation section (DNX8120 only)

Receiver.....	High-sensitivity GPS receiver
Reception Frequency .....	1575.42 MHz (C/A code)
Acquisition Times	

## SPECIFICATIONS (K/R TYPE)

Cold .....	< 38 seconds
Factory Reset.....	< 45 seconds
(On average for a stationary receiver with a clear view of the sky)	
Accuracy .....	
Position .....	< 10 meters typical
Velocity.....	0.05 m/sec. RMS
Position Method .....	GPS
Antenna .....	External GPS antenna

### General

Operating voltage.....	14.4 V (10.5 – 16 V allowable)
Maximum Current Consumption .....	15 A
Dimensions (W × H × D).....	182 × 112 × 163 mm
.....	7-3/16 x 4-7/16 x 6-7/16 inch
Operational Temperature Range .....	-10 °C – +60 °C
Storage Temperature Range .....	-20 °C – +85 °C
Weight (DNX8120) .....	2.6 kg (5.7 lbs)
Weight (DDX812/DDX8032BT) .....	2.55 kg (5.6 lbs)

## SPECIFICATIONS (M/X TYPE)

### Monitor section

Picture Size .....	6.95 inches (diagonal) wide
.....	156.2 mm (W) x 82.4 mm (H)
Display System.....	Transparent TN LCD panel
Drive System .....	TFT active matrix system
Number of Pixels .....	336,960 (480H x 234V x RGB)
Effective Pixels .....	99.99 %
Pixel Arrangement .....	RGB striped arrangement
Back Lighting .....	Cold Cathode Fluorescent Tube

### DVD player section

D/A Converter.....	24 bit
Audio Decoder .....	Linear PCM/ Dolby Prologic II/
.....	Dolby Digital/ dts/MLP/ MP3/ WMA/ AAC
Video Decoder.....	MPEG1/ MPEG2/ MPEG4 (DivX)
Wow & Flutter .....	Below Measurable Limit
Frequency Response .....	
Sampling frequency; 192 kHz.....	20 – 88,000 Hz
Sampling frequency; 176.4 kHz.....	20 – 80,000 Hz
Sampling frequency; 96 kHz.....	20 – 44,000 Hz
Sampling frequency; 88.2 kHz.....	20 – 40,000 Hz
Sampling frequency; 48 kHz.....	20 – 22,000 Hz
Sampling frequency; 44.1 kHz.....	20 – 20,000 Hz
Total Harmonic Distortion.....	0.008 % (1 kHz)
S/N Ratio (dB).....	98 dB (DVD-Audio 192 kHz)
Dynamic Range .....	98 dB (DVD-Audio 192 kHz)
Disc Format .....	DVD-Audio/Video/ VIDEO-CD/ CD-DA
Sampling Frequency .....	44.1/ 48/ 88.2/ 96/ 176.4/ 192 kHz
Quantifying Bit Number .....	16/ 20/ 24 bit

### USB interface section

USB Standard .....	USB 1.1/ 2.0
File System.....	FAT 16/ 32
Maximum Power Supply Current .....	500 mA
D/A Converter.....	24 Bit
Audio Decoder .....	MP3/ WMA/ AAC

### FM tuner section

Frequency Range .....	
200 kHz.....	87.9 MHz – 107.9 MHz
50 kHz.....	87.5 MHz – 108.0 MHz
Usable Sensitivity (S/N : 26 dB) .....	9.3 dBf (0.8 µV/ 75 Ω)
Quieting Sensitivity (S/N : 46 dB) .....	15.2 dBf (1.6 µV/ 75 Ω)
Frequency Response (± 3.0 dB).....	30 Hz – 15 kHz
S/N Ratio (dB).....	70 dB (MONO)
Selectivity (± 400 kHz) .....	≥ 80 dB
Stereo Separation.....	40 dB (1 kHz)

### AM tuner section

Frequency Range .....	
AM (10 kHz) .....	530 kHz – 1700 kHz
LW (9 kHz).....	153 kHz – 281 kHz
MW (9 kHz) .....	531 kHz – 1611 kHz
Usable Sensitivity .....	
AM.....	28 dBµ
LW.....	45 µV
MW.....	25 µV

### Video section

Color System of External Video Input .....	NTSC/ PAL
External Video Input Level (mini jack).....	1 Vp-p/ 75 Ω
External Audio Max Input Level (mini jack) .....	2 V/ 25 kΩ
Video Output Level (RCA jacks) .....	1 Vp-p/ 75 Ω
Audio Output Level (RCA jacks).....	1.2 V/ 10 kΩ
Analog RGB input.....	0.7 Vp-p/ 75 Ω

### Audio section

Maximum Power (Front & Rear) .....	50 W x 4
Full Bandwidth Power (Front & Rear)	
(at Less than 1 % THD) .....	22 W x 4
Preout Level (V) .....	5 V/ 10 kΩ
Preout Impedance .....	80 Ω
Speaker Impedance .....	4 – 8 Ω

## SPECIFICATIONS (M/X TYPE)

### External SW

Maximum Power Supply Current ..... 500 mA

### Bluetooth section

Technology ..... Bluetooth Ver.1.2 Certified

Frequency..... 2.402 – 2.480 GHz

Output Power ..... +4dBm (MAX), 0dBm (AVE), Power Class2

Maximum Communication range  
..... Line of sight approx. 10m (32.8 ft)

#### Profile

HFP (Hands Free Profile), SPP (Serial Port Profile), HSP (Headset Profile), A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile), OPP (Object Push Profile), PBAP (Phonebook Access Profile), SYNC (Synchronization Profile)

### DSP Section

#### Graphics equalizer

Band ..... 13 Band

Frequency (BAND1 – 13) ..... 62.5/100/160/250/400/  
630/1k/1.6k/2.5k/4k/6.3k/10k/16k Hz  
Front/ Rear/ Center

Gain ..... -9/-7/-5/-3/-2/-1/0/1/2/3/5/7/9dB

#### X'over

High pass filter:

Frequency ..... Through, 30/40/50/60/70/80/90/  
100/120/150/180/220/250Hz

Slope..... 12/18/24dB/Oct

Low pass filter:

Frequency  
..... 30/40/50/60/70/80/90/100/120/150/180/220/250Hz

Slope..... 12/18/24dB/Oct

#### Time alignment

Front/ Rear/ Sub Woofer..... 0~6.1m (5cm Step)

Center ..... 0~3.4m (5cm Step)

Channel level ..... ±10dB

### General

Operating voltage..... 14.4 V (10.5 – 16 V allowable)

Maximum Current Consumption ..... 15 A

Dimensions (W × H × D)..... 182 × 112 × 163 mm

Operational Temperature Range ..... -10 °C – +60 °C

Storage Temperature Range ..... -20 °C – +85 °C

Weight ..... 2.55 kg

## SPECIFICATIONS (E TYPE)

### Monitor section

Picture Size ..... 6.95 inches (diagonal) wide  
..... 156.2 mm (W) x 82.4 mm (H)

Display System..... Transparent TN LCD panel

Drive System ..... TFT active matrix system

Number of Pixels ..... 336,960 (480H x 234V x RGB)

Effective Pixels ..... 99.99 %

Pixel Arrangement ..... RGB striped arrangement

Back Lighting ..... Cold Cathode Fluorescent Tube

### DVD player section

D/A Converter..... 24 bit

Audio Decoder ..... Linear PCM/ Dolby Prologic II/  
Dolby Digital/ dts/MLP/ MP3/ WMA/ AAC

Video Decoder..... MPEG1/ MPEG2/ MPEG4 (DivX)

Wow &amp; Flutter ..... Below Measurable Limit

#### Frequency Response

Sampling frequency; 192 kHz..... 20 – 88,000 Hz

Sampling frequency; 176.4 kHz..... 20 – 80,000 Hz

Sampling frequency; 96 kHz..... 20 – 44,000 Hz

Sampling frequency; 88.2 kHz..... 20 – 40,000 Hz

Sampling frequency; 48 kHz..... 20 – 22,000 Hz

Sampling frequency; 44.1 kHz..... 20 – 20,000 Hz

Total Harmonic Distortion..... 0.008 % (1 kHz)

S/N Ratio (dB)..... 98 dB (DVD-Audio 192 kHz)

Dynamic Range ..... 98 dB (DVD-Audio 192 kHz)

Disc Format..... DVD-Audio/Video/ VIDEO-CD/ CD-DA

Sampling Frequency ..... 44.1/ 48/ 88.2/ 96/ 176.4/ 192 kHz

Quantifying Bit Number ..... 16/ 20/ 24 bit

### USB interface section

USB Standard ..... USB 1.1/ 2.0

File System..... FAT 16/ 32

Maximum Power Supply Current ..... 500 mA

D/A Converter..... 24 Bit

Audio Decoder ..... MP3/ WMA/ AAC

### FM tuner section

Frequency Range (50 kHz) ..... 87.5 MHz – 108.0 MHz

Usable Sensitivity (S/N : 26 dB) ..... 0.8 μV/ 75 Ω

Quieting Sensitivity (S/N : 46 dB) ..... 1.6 μV/ 75 Ω

Frequency Response (± 3.0 dB)..... 30 Hz – 15 kHz

S/N Ratio (dB)..... 65 dB (MONO)

Selectivity (± 400 kHz) ..... ≥ 80 dB

Stereo Separation..... 35 dB (1 kHz)



## SPECIFICATIONS (E TYPE)

### AM tuner section

Frequency Range (9 kHz)

LW.....153 kHz – 281 kHz

MW.....531 kHz – 1611 kHz

Usable Sensitivity

LW.....35  $\mu$ V

MW.....50  $\mu$ V

### Video section

Color System of External Video Input .....NTSC/ PAL

External Video Input Level (RCA jack).....1 Vp-p/ 75  $\Omega$

External Audio Max Input Level (RCA jack).....2 V/ 25 k $\Omega$

Video Output Level (RCA jacks) .....1 Vp-p/ 75  $\Omega$

Audio Output Level (RCA jacks) .....1.2 V/ 10 k $\Omega$

Analog RGB input (DDX8022BT only) .....0.7 Vp-p/ 75  $\Omega$

### Audio section

Maximum Power (Front & Rear) .....50 W x 4

Full Bandwidth Power (Front & Rear)

(PWR DIN45324, +B=14.4v) .....30 W x 4

Preout Level (V) .....5 V/ 10 k $\Omega$

Preout Impedance ..... $\leq 80 \Omega$

Speaker Impedance .....4 – 8  $\Omega$

Tone action

Bass .....100 Hz  $\pm$  8 dB

Middle .....1 kHz  $\pm$  8 dB

Treble .....10 kHz  $\pm$  8 dB

### External SW

Maximum Power Supply Current .....500 mA

### Bluetooth section

Technology .....Bluetooth Ver.1.2 Certified

Frequency.....2.402 – 2.480 GHz

Output Power .....+4dBm (MAX), 0dBm (AVE), Power Class2

Maximum Communication range

.....Line of sight approx. 10m (32.8 ft)

Profile

HFP (Hands Free Profile), SPP (Serial Port Profile), HSP (Headset Profile), A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile), OPP (Object Push Profile), PBAP (Phonebook Access Profile), SYNC (Synchronization Profile)

### DSP Section

Graphics equalizer

Band .....13 Band

Frequency (BAND1 – 13) .....62.5/100/160/250/400/  
630/1k/1.6k/2.5k/4k/6.3k/10k/16k Hz

Front/ Rear/ Center

Gain .....-9/-7/-5/-3/-2/-1/0/1/2/3/5/7/9dB

X'over

High pass filter:

Frequency .....Through, 30/40/50/60/70/80/90/  
100/120/150/180/220/250Hz

Slope.....12/18/24dB/Oct

Low pass filter:

Frequency  
.....30/40/50/60/70/80/90/100/120/150/180/220/250Hz

Slope.....12/18/24dB/Oct

Time alignment

Front/ Rear/ Sub Woofer.....0~6.1m (5cm Step)

Center .....0~3.4m (5cm Step)

Channel level ..... $\pm 10$ dB

### Navigation section (DNX8220BT only)

Receiver.....High-sensitivity GPS receiver

Reception Frequency .....1575.42 MHz (C/A code)

Acquisition Times

Cold .....< 38 seconds

Factory Reset.....< 45 seconds

(On average for a stationary receiver with a clear view of the sky)

Accuracy

Position .....< 10 meters typical

Velocity.....0.05 m/sec. RMS

Position Method .....GPS

Antenna .....External GPS antenna

### General

Operating voltage.....14.4 V (10.5 – 16 V allowable)

Maximum Current Consumption .....15 A

Dimensions (W x H x D).....182 x 112 x 163 mm

Operational Temperature Range .....-10  $^{\circ}$ C – +60  $^{\circ}$ C

Storage Temperature Range .....-20  $^{\circ}$ C – +85  $^{\circ}$ C

Weight (DNX8220BT).....2.6 kg

Weight (DDX8022BT).....2.55 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

US and foreign patents licensed from Dolby Laboratories. Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

#### DANGER:

Please do not look at the laser beam directly during repair or operation check.