

TOYOTA

AUDIO COMPONENT SERVICE MANUAL



CN-TS0371A

CN-TS0371A CN-TS0373A DISPLAY UNIT

PART No. (CN-TS0371A) : 86110-52140

(CN-TS0373A) : 86110-52130

ID CODE (CN-TS0371A) : 58502

(CN-TS0373A) : 58503

VEHICLE : Yaris

DESTINATION : Europe

PRODUCED AFTER : Nov., 2002

Specifications*

General

Power Supply DC 12V (11V - 16V),
Test Voltage 13.2V
Negative Ground

Current Consumption Less than 0.5A

Display Block

Display Type Positive Pattern LCD Display
CN-TS0371A Dot-Matrix
CN-TS0373A 7-Segment

Display Size

CN-TS0371A 68×33mm
CN-TS0373A 66×25mm

Display Illumination

Back-Light Type

Dimensions**(W×H×D)

180.0×68.4×129.2mm

Weight**

590g

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

PUB. No. 80645

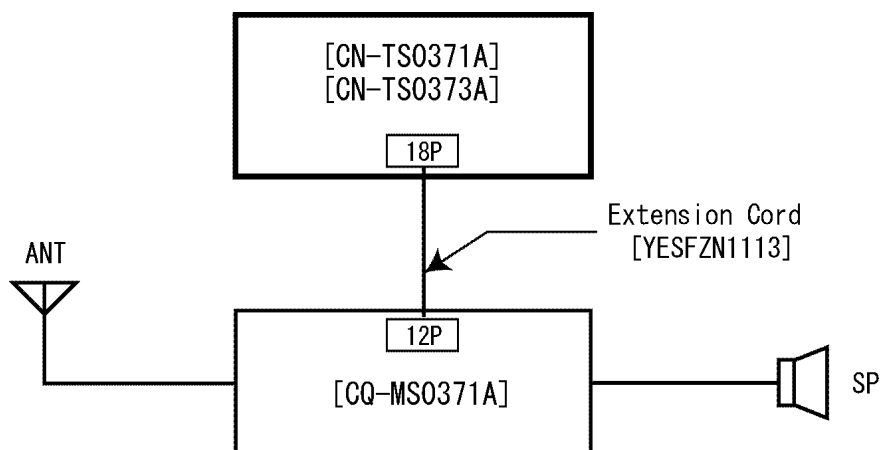
CONTENTS

	Page		Page
1 FEATUERS	2	9 IC BLOCK DIAGRAM	10
2 SYSTEM BLOCK DIAGRAM	2	10 REPLACEMENT PARTS LIST [CN-TS0371A]	11
3 NAME OF EACH PARTS AND CONNECTORS	3	11 EXPLODED VIEW <CN-TS0371A>	14
4 WIRING CONNECTION	5	12 REPLACEMENT PARTS LIST [CN-TS0373A]	15
5 BLOCK DIAGRAM <CN-TS0371A>	6	13 EXPLODED VIEW <CN-TS0373A>	18
6 BLOCK DIAGRAM <CN-TS0373A>	7	14 WIRING DIAGRAM	19
7 TERMINALS DESCRIPTION <CN-TS0371A>	8	15 SCHEMATIC DIAGRAM -1	23
8 TERMINALS DESCRIPTION <CN-TS0373A>	9	16 SCHEMATIC DIAGRAM -2	25

1 FEATUERS

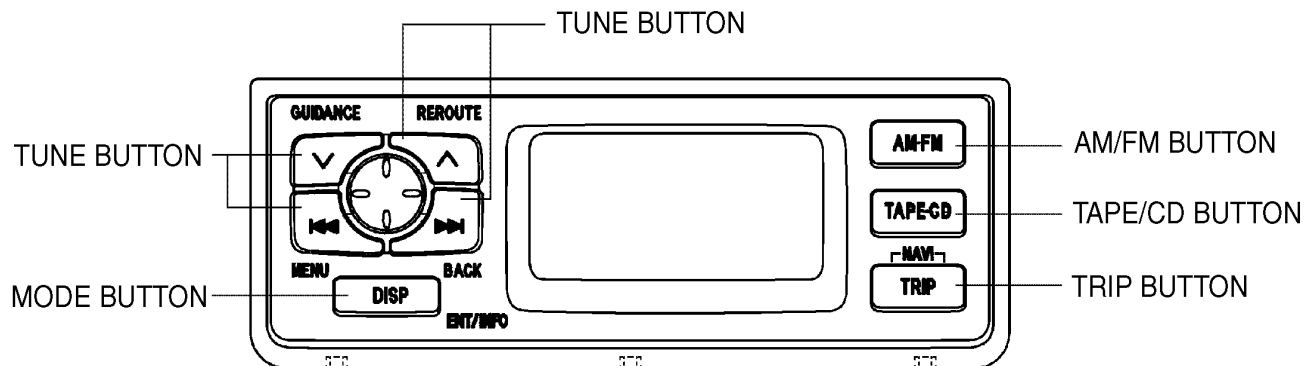
- Using HIT64 Serial Communication System for Car Navigation (Only for High Grade Type).
- Wide size LCD Display.
- Car Informations Display (Outside Temperature, Instantaneous Fule Consumption, Average Fule Cpnsumption, Average Car Speed).

2 SYSTEM BLOCK DIAGRAM

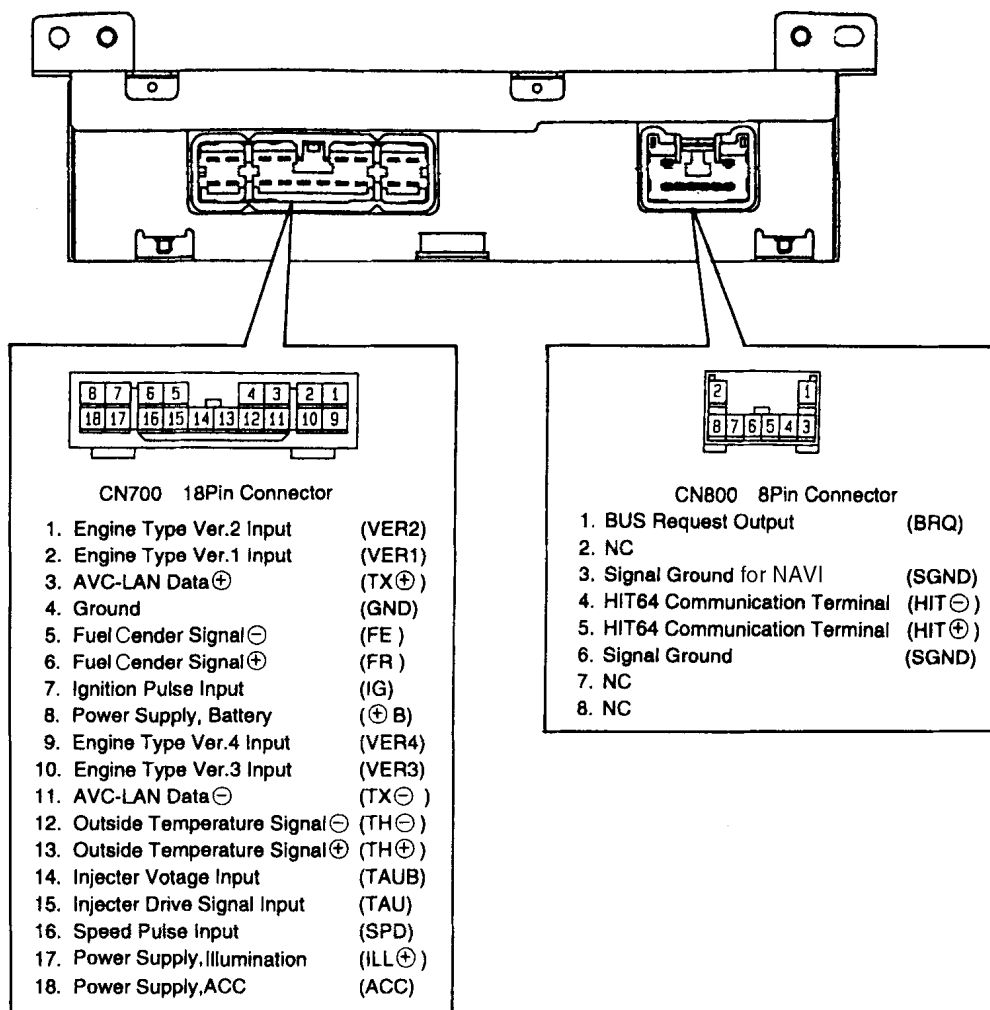


3 NAME OF EACH PARTS AND CONNECTORS

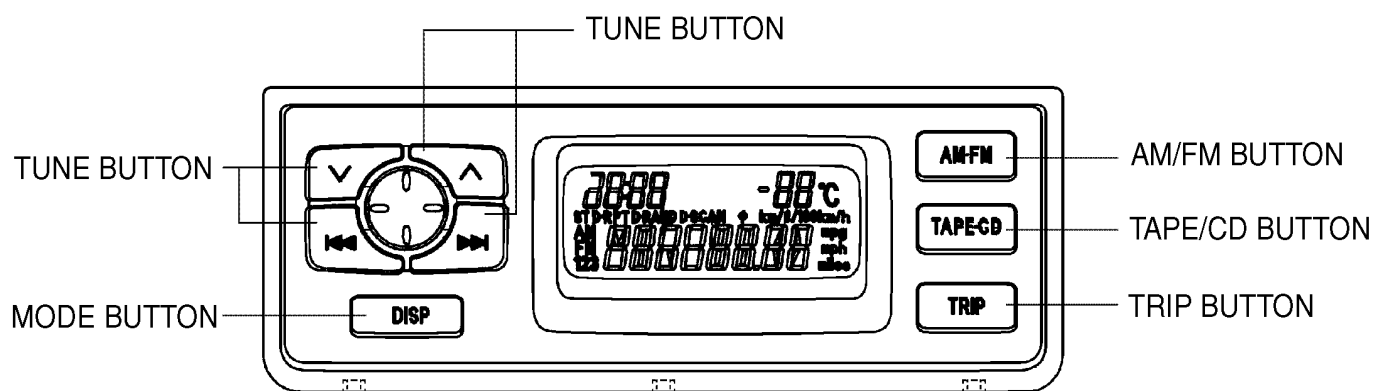
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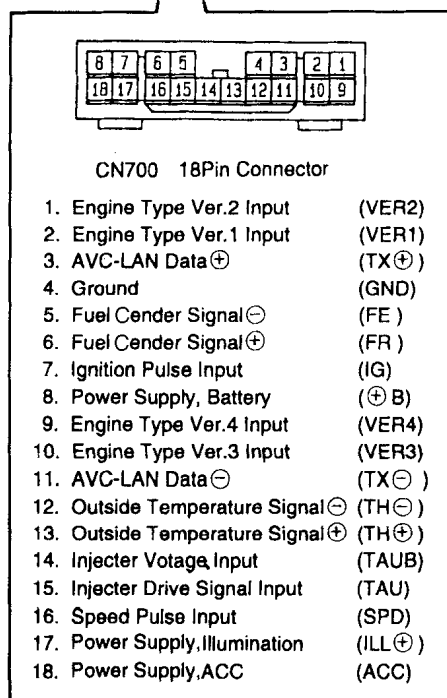
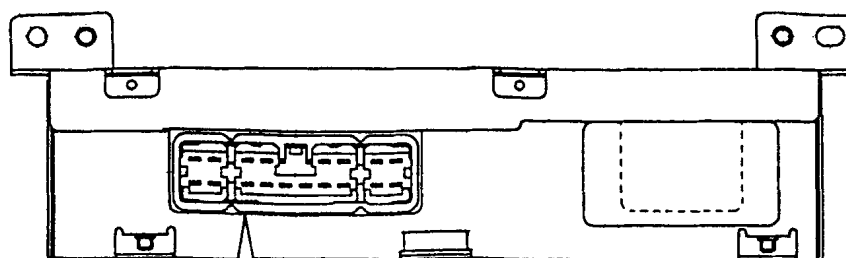
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3.3. CN-TS0373A<FRONT>

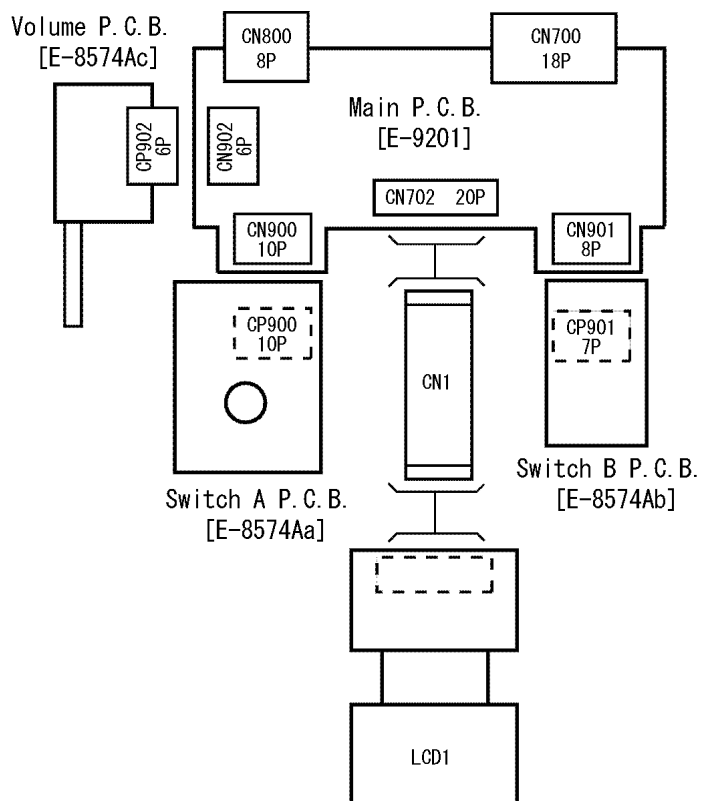


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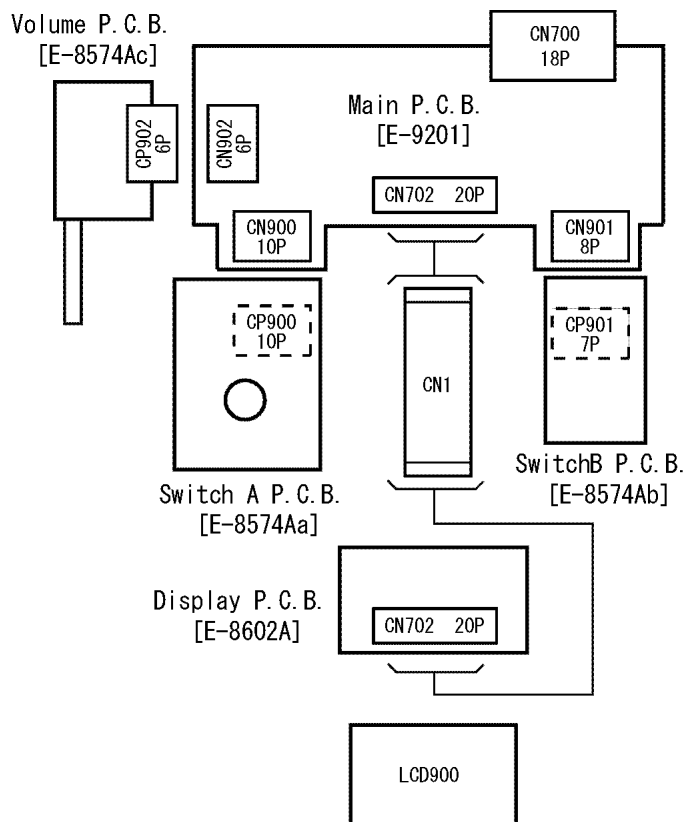


4 WIRING CONNECTION

4.1. CN-TS0371A



4.2. CN-TS0373A







7 TERMINALS DESCRIPTION <CN-TS0371A>

7.1. Main Block

IC600 : C2CBJG000300

Pin No.	Port	Descriptions	I/O	Vol. (V)
1	D/A1 (NC)	-	-	-
2	D/A2 (NC)	-	-	-
3	NC	-	-	-
4	NC	-	-	-
5	TAU	Injector Pulse Input	I	0
6	GND	GND	-	0
7	CNVSS	GND	-	0
8	XCIN	Crystal Oscillator Input (32.768kHz)	I	1.5
9	XCOU	Crystal Oscillator Output (32.768kHz)	O	1.3
10	RESET	Reset Input	I	5.1
11	XOUT	Crystal Oscillator Output (10MHz)	O	2.5
12	VSS	GND	-	0
13	XIN	Crystal Oscillator Input (10MHz)	I	2.3
14	VCC	+5V Power Supply	-	5.1
15	BYTE	+5V Power Supply	-	5.1
16	+B DET	Power Supply Level Detection(+B)	I	5.1
17	ACC DET	Power Supply Level Detection(ACC)	I	5.0
18	SPD	Speed Pulse Input	I	0
19	AVC TM	AVC-LAN Start/Stop Detection	I	0
20	DRV P	Internal Power Supply Control	O	5.1
21	NC	-	-	-
22	NC	-	-	-
23	VOL B	Volume Pulse Counter Input	I	0.5
24	VOL A	Volume Pulse Counter Input	I	0.5
25	DE (NC)	-	-	-
26	HBRQ (NC)	-	-	-
27	AVC RX	AVC-LAN Data Input	I	0
28	AVC TX	AVC-LAN Data Output	O	0
29	SI (NC)	Serial Data Output for LCD Driver	O	0
30	NC	-	-	-
31	SCL	Serial Clock Output for LCD Driver	O	5.1
32	CS2	Chip Select Output for LCD Driver	O	5.1
33	SOUT (NC)	-	-	-
34	SIN (NC)	-	-	-
35	CS1	Chip Select Output for LCD Driver	O	4.9
36	A0 (NC)	-	-	-
37	NC	-	-	-
38	NC	-	-	-
39	NC	-	-	-
40	LCD-P (NC)	-	-	-
41	THM-P (NC)	-	-	-
42	B/L-P	LCD Back Light Control	O	5.1
43	RES (NC)	-	-	-
44	HPM (NC)	-	-	-
45	MODE2	Back Light Dimmer Control Output	O	5.1
46	MODE1	-	-	-
47	MODE0	Illumination Control Output	O	5.1
48	CS1 (NC)	-	-	-
49	KEY S3	Key Scan Source Output 3	O	0
50	KEY S2	Key Scan Source Output 2	O	4.9
51	KEY S1	Key Scan Source Output 1	O	5.0
52	KEY S0	Key Scan Source Output 0	O	4.9
53	KEY D7	Key Scan Input 7	I	5.1
54	KEY D6	Key Scan Input 6	I	5.1
55	KEY D5	Key Scan Input 5	I	5.1
56	KEY D4	Key Scan Input 4	I	5.1
57	KEY D3	Key Scan Input 3	I	5.1
59	KEY D2	Key Scan Input 2	I	5.1

Pin No.	Port	Descriptions	I/O	Vol. (V)
59	KEY D1	Key Scan Input 1	I	5.1
60	VCC	+5V Power Supply	-	5.1
61	KEY D0	Key Scan Input 0	I	5.1
62	VSS	GND	-	0
63	MODEL3	Model Selector Signal 3	I	5.1
64	MODEL2	Model Selector Signal 2	I	5.1
65	MODEL1	Model Selector Signal 1	I	5.1
66	MODEL0	Model Selector Signal 0	I	5.1
67	VER4	Engine Type Signal 4	I	0
68	VER3	Engine Type Signal 3	I	0
69	VER2	Engine Type Signal 2	I	0
70	VER1	Engine Type Signal 1	I	0
71	VREF-D9 (NC)	-	-	-
72	VREF-D8 (NC)	-	-	-
73	VREF-D7 (NC)	-	-	-
74	VREF-D6 (NC)	-	-	-
75	VREF-D5	Reset Detection for LCD Driver	I	5.1
76	TEST MODE (NC)	-	-	-
77	VREF-D3 (NC)	-	-	-
78	VREF-D2 (NC)	-	-	-
79	DM-D9	-	-	-
80	DM-D8	-	-	-
81	DM-D7	-	-	-
82	DM-D6	-	-	-
83	DM-D5	-	-	-
84	DM-D4	-	-	-
85	DM-D3	-	-	-
86	DM-D2	-	-	-
87	NC	-	-	-
88	NC	-	-	-
89	NC	-	-	-
90	LCD TEMP	LCD Temperature Detection Thermister Input	I	3.2
91	IG	Ignition Voltage Input	I	0
92	FUEL	Fuel Meter Detection Signal	I	5.1
93	TEMP	Open Air Temperature Sensor Input	I	0
94	AVSS	GND	-	0
95	TAUB	Injector Drive Voltage Input	I	0
96	VREF	+5V Power Supply	-	5.1
97	AVCC	+5V Power Supply	-	5.1
98	L (NC)	-	-	-
99	NC	-	-	-
100	ILL+	Illumination Detect	I	0

Note :

Voltage measuerments are with respect to ground, with a voltmeter (Internal resistance : 10M ohms.)

8 TERMINALS DESCRIPTION <CN-TS0373A>

8.1. Main/Display Block

IC600 : C2CBHG000114

Pin No.	Port	Descriptions	I/O	Vol. (V)
1	D/A1 (NC)	-	-	-
2	D/A0 (NC)	-	-	-
3	NC	-	-	-
4	NC	-	-	-
5	TAU	Injector Pulse Input	I	0
6	GND	GND	-	0
7	CNVSS	GND	-	0
8	XCIN	Crystal Oscillator Input (32.768kHz)	I	1.5
9	XCOUT	Crystal Oscillator Output (32.768kHz)	O	1.3
10	RESET	Reset Input	I	5.1
11	XOUT	Crystal Oscillator Output (10MHz)	O	2.5
12	VSS	GND	-	0
13	XIN	Crystal Oscillator Input (10MHz)	I	2.3
14	VCC	+5V Power Supply	-	5.1
15	BYTE	+5V Power Supply	-	5.1
16	+B DET	Power Supply Level Detection(+B)	I	5.1
17	ACC DET	Power Supply Level Detection(ACC)	I	5.0
18	SPD	Speed Pulse Input	I	0
19	AVC TM	AVC-LAN Start/Stop Detection	I	0
20	DRV P	Internal Power Supply Control	O	5.1
21	NC	-	-	-
22	NC	-	-	-
23	VOL B	Volume Pulse Counter Input	I	0.5
24	VOL A	Volume Pulse Counter Input	I	0.5
25	DE	Enable Signal Output for HIT64	O	0
26	HBRQ	Bus Request Signal Output for HIT64	O	0
27	AVC RX	AVC-LAN Data Input	I	0
28	AVC TX	AVC-LAN Data Output	O	0
29	SI	Serial Data Output for LCD Driver	O	0
30	NC	-	-	-
31	SCL	Serial Clock Output for LCD Driver	O	5.1
32	CS2	Chip Select Output for LCD Driver	O	5.1
33	SOUT	Serial Data Output for HIT64	O	0
34	SIN	Serial Data Input for HIT64	I	2.3
35	CS1	Chip Select Output for LCD Driver	O	4.9
36	A0	Data/Command Selector for LCD Driver	O	0
37	NC	-	-	-
38	NC	-	-	-
39	NC	-	-	-
40	LCD-P (NC)	-	-	-
41	THM-P (NC)	-	-	-
42	BL-P	LCD Back Light Control	O	5.1
43	RES	Reset Output for LCD Driver	O	0
44	HPM (NC)	-	-	-
45	MODE2	Back Light Dimmer Control Output	O	5.1
46	MODE1	-	-	-
47	MODE0	Illumination Control Output	O	5.1
48	CS1 (NC)	-	-	-
49	KEY S3	Key Scan Source Output 3	O	0
50	KEY S2	Key Scan Source Output 2	O	4.9
51	KEY S1	Key Scan Source Output 1	O	5
52	KEY S0	Key Scan Source Output 0	O	4.9
53	KEY D7	Key Scan Input 7	I	5.1
54	KEY D6	Key Scan Input 6	I	5.1
55	KEY D5	Key Scan Input 5	I	5.1
56	KEY D4	Key Scan Input 4	I	5.1

Pin No.	Port	Descriptions	I/O	Vol. (V)
57	KEY D3	Key Scan Input 3	I	5.1
59	KEY D2	Key Scan Input 2	I	5.1
59	KEY D1	Key Scan Input 1	I	5.1
60	VCC	+5V Power Supply	-	5.1
61	KEY D0	Key Scan Input 0	I	5.1
62	VSS	GND	-	0
63	MODEL3	Model Selector Signal 3	I	5.1
64	MODEL2	Model Selector Signal 2	I	5.1
65	MODEL1	Model Selector Signal 1	I	5.1
66	MODEL0	Model Selector Signal 0	I	5.1
67	VER4	Engine Type Signal 4	I	0
68	VER3	Engine Type Signal 3	I	0
69	VER2	Engine Type Signal 2	I	0
70	VER1	Engine Type Signal 1	I	0
71	VREF-D9 (NC)	-	-	-
72	VREF-D8 (NC)	-	-	-
73	VREF-D7 (NC)	-	-	-
74	VREF-D6 (NC)	-	-	-
75	VREF-D5	Reset Detection for LCD Driver	I	5.1
76	TEST MODE (NC)	-	-	-
77	VREF-D3 (NC)	-	-	-
78	VREF-D2 (NC)	-	-	-
79-86	DM-D9 - D2	-	-	-
87-89	NC	-	-	-
90	LCD TEMP	LCD Temperature Detection Thermister Input	I	3.2
91	IG	Ignition Voltage Input	I	0
92	FUEL	Fuel Meter Detection Signal	I	5.1
93	TEMP	Open Air Temperature Sensor Input	I	0
94	AVSS	GND	-	0
95	TAUB	Injector Drive Voltage Input	I	0
96	VREF	+5V Power Supply	-	5.1
97	AVCC	+5V Power Supply	-	5.1
98	L (NC)	-	-	-
99	NC	-	-	-
100	ILL+	Illumination Detect	I	0

Note :

Voltage measurements are with respect to ground, with a voltmeter (Internal resistance : 10M ohms.)

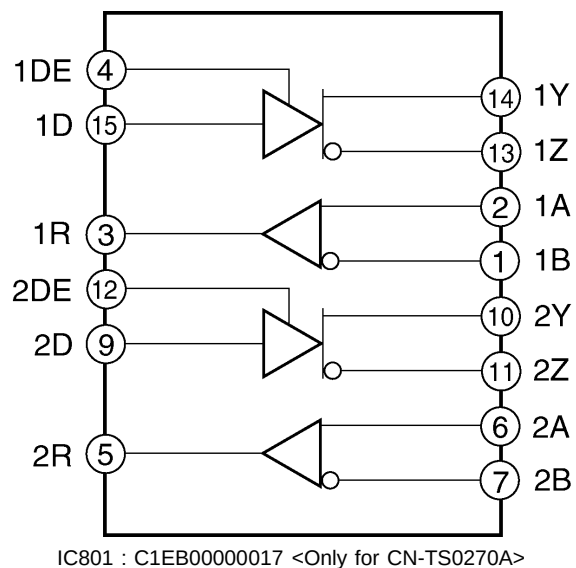
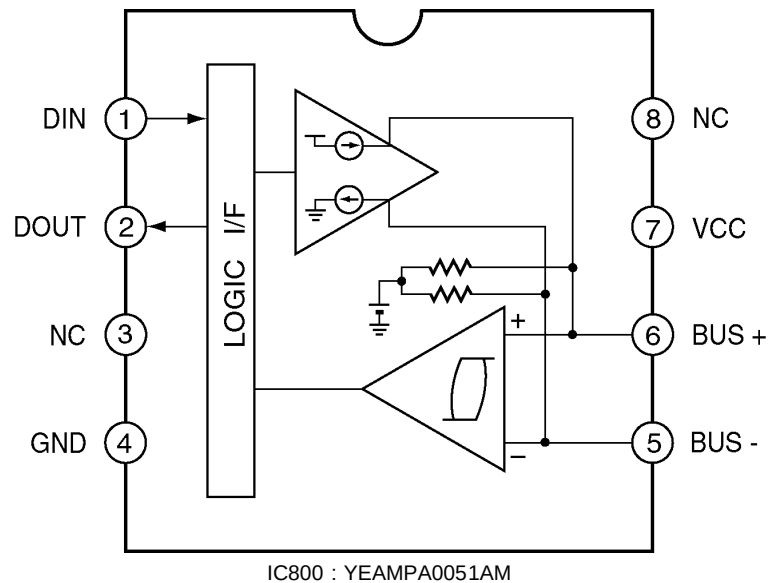
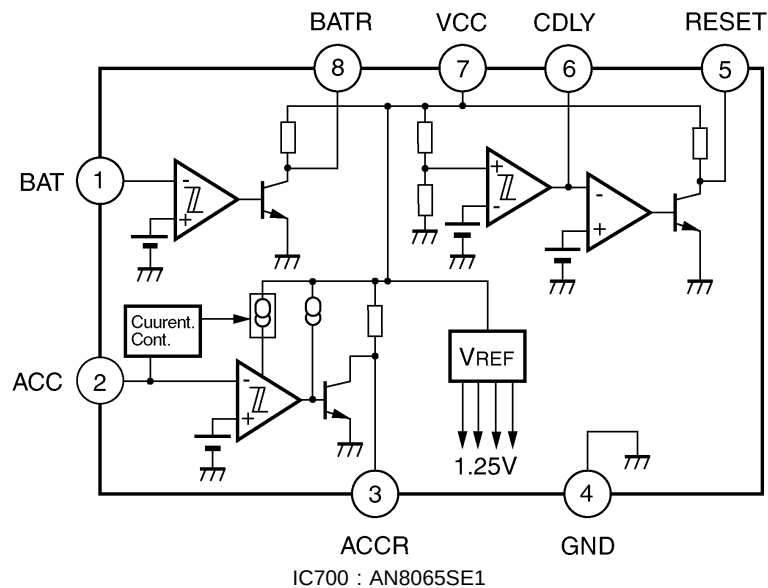
8.2. Display Block

IC900 : C0HBA0000030

Pin No.	Port	Descriptions	I/O	Vol. (V)
1-49	SEG1-49	LCD segment data	O	2.5
50-52	SEG50-52	-	-	-
53-55	COM1-3	LCD common	O	2.5
56	VDD	+5V power supply	-	5.1
57	INH	LCD Inhibit	I	5.1
58	VDD1	Power Supply for LCD Bias	-	2.7
59	VDD2	Power Supply for LCD Bias	-	2.4
60	Vss	Ground	-	0
61	OSC	CR oscillator terminal	-	3.9
62	CE	LCD driver chip enable	I	4.9
63	CL	Clock for LCD	I	5.1
64	DI	LCD data	I	1.5

9 IC BLOCK DIAGRAM

9.1. Main Block



10 REPLACEMENT PARTS LIST [CN-TS0371A]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
[E9201] Main Block			
IC's and TRANSISTORS			
IC560	C0JBAS000051	IC	
IC600	C2CBJG000300	IC	
IC700	AN8065SE1	IC	
IC800	YEAMPA0051AM	IC	
IC801	C1EB00000017	IC	
Q500	B1ABCF000042	Transistor	
Q501	B1GDCFJJ0002	Transistor	
Q502	B1GDCFJJ0002	Transistor	
Q503	B1GDCFJJ0002	Transistor	
Q504	B1GDCFJJ0002	Transistor	
Q505	B1ABCF000042	Transistor	
Q530	B1GBCFNN0004	Transistor	
Q560	B1GBCFNN0004	Transistor	
Q700	2SD2139TA	Transistor	
Q701	YEANHQ1F3PT1	Transistor	
Q702	B1GBCFNN0004	Transistor	
Q703	2SD1265A	Transistor	
Q704	B1GBCFNN0004	Transistor	
Q705	YEANFP1F3PT1	Transistor	
Q706	B1GBCFNN0004	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q708	B1GBCFNN0004	Transistor	
Q709	YEANFP1F3PT1	Transistor	
Q710	B1GBCFNN0004	Transistor	
Q713	2SD1119TX	Transistor	
Q800	B1GBCFNN0004	Transistor	
DIODES			
D500	B0ACCK000005	Diode	
D501	B0ACCK000005	Diode	
D502	B0ACCK000005	Diode	
D503	B0ACCK000005	Diode	
D504	B0ACCK000005	Diode	
D506	MA8056LMHTX	Diode	
D507	MA8056LMHTX	Diode	
D508	MA8056LMHTX	Diode	
D509	MA8056LMHTX	Diode	
D512	MA153TX	Diode	
D520	MA153TX	Diode	
D521	MA153TX	Diode	
D530	MA8068MTX	Diode	
D534	YEADSR1544TL	Diode	
D535	MA153TX	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D536	MA153TX	Diode	
D550	MA153TX	Diode	
D551	MA153TX	Diode	
D561	MA153TX	Diode	
D649	B0ACCK000005	Diode	
D650	B0ACCK000005	Diode	
D651	B0ACCK000005	Diode	
D652	B0ACCK000005	Diode	
D700	YEAD30D2FC6	Diode	
D701	YEAD30D2FC6	Diode	
D702	MA8051MTX	Diode	
D703	B0ACCK000005	Diode	
D704	B0ACCK000005	Diode	
D705	MA8091-HTX	Diode	
D706	B0ACCK000005	Diode	
D707	MA8068MTX	Diode	
D708	B0ACCK000005	Diode	
D709	B0ACCK000005	Diode	
D800	YEADRD18M2T1	Diode	
D801	YEADRD13P2T1	Diode	
D802	YEADRD13P2T1	Diode	
D803	B0ACCK000005	Diode	
D808	YEADRD18M2T1	Diode	
CAPACITORS			
C500	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C501	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C502	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C503	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C504	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C505	YECUS1H473KX	Ceramic, 0.047 μ F 50WV	
C511	YECUV2A102KX	Ceramic, 1000PF 100WV	
C513	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C514	YECUS1H471JC	Ceramic, 470PF 50WV	
C515	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C520	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C521	YECUS1H471JC	Ceramic, 470PF 50WV	
C522	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C523	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C524	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C530	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C531	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C532	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C533	YECUS1H471JC	Ceramic, 470PF 50WV	
C534	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C536	YECUS1H471JC	Ceramic, 470PF 50WV	
C537	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C550	F1J1H104A396	Ceramic, 0.1 μ F 50WV	
C551	F1J1H104A396	Ceramic, 0.1 μ F 50WV	
C560	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C608	YECUS1H150JC	Ceramic, 15PF 50WV	
C609	YECUS1H150JC	Ceramic, 15PF 50WV	
C610	YECUS1H100CC	Ceramic, 10PF 50WV	
C611	YECUS1H220JC	Ceramic, 22PF 50WV	
C613	YECUS1H220JC	Ceramic, 22PF 50WV	
C631	YECUS1H100CC	Ceramic, 10PF 50WV	
C660	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C690	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C691	YECUS1H473KX	Ceramic, 0.047 μ F 50WV	
C700	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C701	ECA1CM102B	Electrolytic, 1000 μ F 16WV	
C702	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C703	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C704	ECA1CM221B	Electrolytic, 220 μ F 16WV	
C705	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C707	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C708	ECA1CM221B	Electrolytic, 220 μ F 16WV	
C709	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C710	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C711	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C712	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C714	ECA1CM101B	Electrolytic, 100 μ F 16WV	

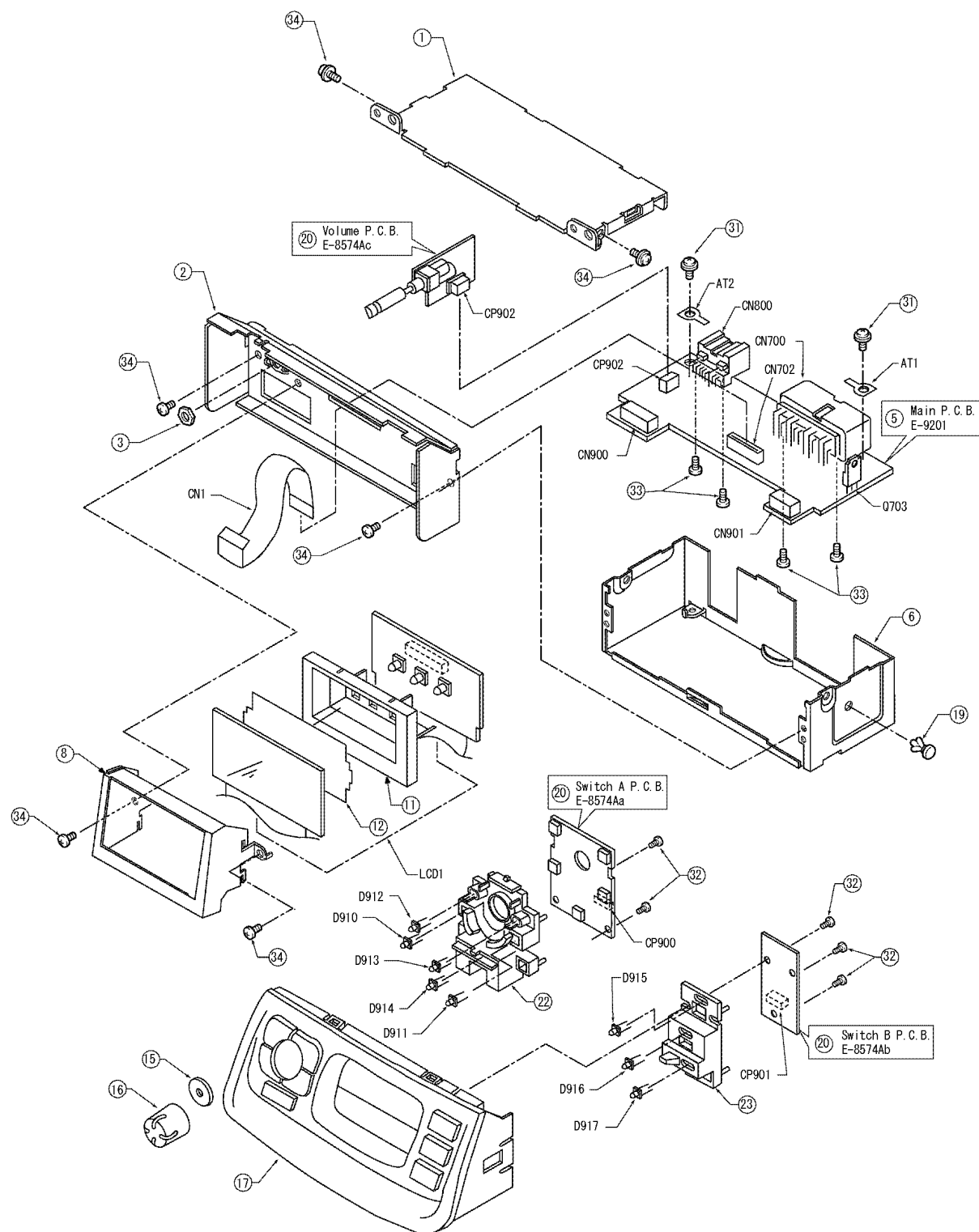
Ref. No.	Part No.	Part Name & Description	Remarks
C715	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C719	ECA1CM221B	Electrolytic, 220μF 16WV	
C720	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C723	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C724	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C725	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C800	YECUS1H221JC	Ceramic, 220PF 50WV	
C801	YECUS1H221JC	Ceramic, 220PF 50WV	
C802	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C803	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C804	YECUS1H221JC	Ceramic, 220PF 50WV	
RESISTORS			
J503	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J600	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J663	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
J665	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
J700	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
J701	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
J716	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J717	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R500	ERJ6GEYJ432	Chip, 4.3kΩ 1/8W	
R501	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R502	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R503	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R504	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R505	ERJ6GEYJ512	Chip, 5.1kΩ 1/10W	
R506	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R510	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R511	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R515	ERA6YED303V	Metal Film, 30kΩ 1/10W	
R516	ERA6YED103V	Metal Film, 10kΩ 1/10W	
R517	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R520	D1BD82010001	Metal Film, 8.2kΩ 1/10W	
R521	ERA6YED123V	Metal Film, 12kΩ 1/10W	
R522	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R523	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R525	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R526	D1BD82010001	Metal Film, 8.2kΩ 1/10W	
R527	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R530	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R531	ERA6YED303V	Metal Film, 30kΩ 1/10W	
R532	ERA6YED103V	Metal Film, 10kΩ 1/10W	
R533	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R534	D1BD12030001	Metal Film, 120kΩ 1/10W	
R535	ERA6YED393V	Metal Film, 39kΩ 1/10W	
R536	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R537	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R538	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R550	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R551	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R552	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R553	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R560	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R561	D1BD56000001	Metal Film, 560Ω 1/10W	
R605	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R607	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R608	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R610	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R611	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R616	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R617	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R618	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R620	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R621	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R622	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R623	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R624	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R628	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R629	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R630	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R631	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R632	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R633	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R634	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R635	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R636	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R637	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R638	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R639	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R643	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R653	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R654	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R655	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R656	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R657	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R658	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R659	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R660	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R661	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R662	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R664	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R666	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R670	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R676	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R688	ERA6YKD274V	Metal Film, 270kΩ 1/10W	
R689	ERJ6RBD473V	Metal Film, 47kΩ 1/10W	
R690	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R691	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R692	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R693	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R695	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R700	ERJ14YJ2R2H	Chip, 2.2Ω 1/4W	
R701	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R702	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R703	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R705	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R706	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R713	ERJ6RED274V	Metal Film, 270kΩ 1/10W	
R714	ERJ6RBD433V	Metal Film, 43kΩ 1/10W	
R715	ERJ6RBD273V	Metal Film, 27kΩ 1/10W	
R716	ERJ6RBD472V	Metal Film, 4.7kΩ 1/10W	
R717	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R800	ERJ14YJ101H	Chip, 100Ω 1/4W	
R801	ERJ14YJ101H	Chip, 100Ω 1/4W	
R803	ERG1SJ101E	Metal Oxid, 100Ω 1W	
R804	ERG1SJ101E	Metal Oxid, 100Ω 1W	
R805	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R806	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R807	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R810	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R811	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R812	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
CONNECTORS			
CN700	K1FA118B0002	Connector, 18P	
CN702	YEAFFH2120S1	Connector, 20P	
CN800	YEA012345	Connector, 8P	
CN900	K1KA10B00162	Connector, 10P	
CN901	K1KA08B00189	Connector, 8P	
CN902	YEAETKCF06QS	Connector, 6P	
COILS			
L500	YELTBLM21A10	Coil	
L501	YELTBLM21A10	Coil	
L502	YELTBLM21A10	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L503	YELTBLM21A10	Coil	
L504	YELTBLM21A10	Coil	
L530	YELTBLM21A10	Coil	
L691	YELT03N100KT	Coil	
L700	YETQ012G157	Coil	
L701	YELT03N100KT	Coil	
L702	YELT03N100KT	Coil	
L703	YELT03N100KT	Coil	
L704	YELT03N100KT	Coil	
L705	YELT03N100KT	Coil	
CRYSTALS			
XL600	YEXLMC60327	Crystal	
XL601	YEXL5F10000T	Crystal	
NETWORK RESISTORS			
RA550	D1H415220001	Network Resistor	
RA649	EXBV8V102JV	Network Resistor	
RA657	EXBV8V472JV	Network Resistor	
RA667	EXBV8V102JV	Network Resistor	
FILTERS			
ZL800	YECCL51R206T	Filter	
ZL801	YECCL51R206T	Filter	
[E8574A] Switchn/Volume Block			
DIODES			
D910	YEADSEL6414E	Diode	
D911	YEADSEL6414E	Diode	
D912	YEADSEL6414E	Diode	
D913	YEADSEL6414E	Diode	
D914	YEADSEL6414E	Diode	
D915	YEADSEL6414E	Diode	
D916	YEADSEL6414E	Diode	
D917	YEADSEL6414E	Diode	
CAPACITORS			
C923	YECUS1H473KX	Ceramic, 0.047μF 50WV	
C924	YECUS1H473KX	Ceramic, 0.047μF 50WV	
RESISTORS			
R906	ERJ8GEYJ221V	Chip, 220Ω 1/8W	
R907	ERJ8GEYJ151V	Chip, 150Ω 1/8W	
R908	ERJ8GEYJ151V	Chip, 150Ω 1/8W	
R923	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R924	ERJ6GEYJ331	Chip, 330Ω 1/10W	
CONNECTORS			
CP900	YEAETKCF10XS	Connector, 10P	
CP901	YEAETKCF08XS	Connector, 8P	
CP902	K1KA06B00133	Connector, 6P	
SWITCHES			
SW910	EVQ21G04K	Switch	
SW911	EVQ21G04K	Switch	
SW912	EVQ21G04K	Switch	
SW913	EVQ21G04K	Switch	
SW914	EVQ21G04K	Switch	
SW915	EVQ21G04K	Switch	
SW916	EVQ21G04K	Switch	
SW917	EVQ21G04K	Switch	
VARIABLE RESISTOR			

Ref. No.	Part No.	Part Name & Description	Remarks
VR900	K9AA015B0027	Variabl r resistor	
LCD			
LCD1	L5ADAJF00003	LCD	
Mechanical Parts			
MISCELLANEOUS			
AT1	YEAT03346A	Terminal	
AT2	YEAT03346A	Terminal	
CN1	YEAES20B070A	Connector, 20P	
1	YEFA031625	Upper Cover	
2	YEFA07643	Front Plate	
3	YEJN01076	Nut, 7mm	
5	YEP0PT9201C0	PCB w/Component	RTL
6	YEFA011767	Chassis	
8	YEFA131389	Case, LCD	
11	YEFK06823A	Holder, Rubber	
12	YEFV021579	Optical Shade	
15	YEF011601	Pad, Knob	
16	YEF02428A	Knob, VOL	
17	YEF027615C	Escutcheon Ass'y	
19	YEFJ05040	Color Rivet	
20	YEP0PT8574B0	PCB w/Component	RTL
22	YEFK06821	Holder, Rubber	
23	YEFK06822	Holder, Rubber	
31	YEJT03015	Tapping Screw	
32	XTB2+6GFX	Tapping Screw, 2mm * 6mm	
33	YEJT01089	Tapping Screw	
34	XTB3+6FFX	Tapping Screw, 3mm * 6mm	

11 EXPLODED VIEW <CN-TS0371A>



CN-TS0371A

12 REPLACEMENT PARTS LIST [CN-TS0373A]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
[E9201] Main Block			
IC's and TRANSISTORS			
IC560	C0JBAS000051	IC	
IC600	C2CBHG000114	IC	
IC700	AN8065SE1	IC	
IC800	YEAMPA0051AM	IC	
Q500	B1ABCF000042	Transistor	
Q501	B1GDCFJJ0002	Transistor	
Q502	B1GDCFJJ0002	Transistor	
Q503	B1GDCFJJ0002	Transistor	
Q504	B1GDCFJJ0002	Transistor	
Q505	B1ABCF000042	Transistor	
Q530	B1GBCFNN0004	Transistor	
Q560	B1GBCFNN0004	Transistor	
Q700	2SD2139TA	Transistor	
Q701	YEANHQ1F3PT1	Transistor	
Q702	B1GBCFNN0004	Transistor	
Q703	2SD1265A	Transistor	
Q704	B1GBCFNN0004	Transistor	
Q705	YEANFP1F3PT1	Transistor	
Q706	B1GBCFNN0004	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q708	B1GBCFNN0004	Transistor	
Q709	YEANFP1F3PT1	Transistor	
Q710	B1GBCFNN0004	Transistor	
Q713	2SD1119TX	Transistor	
DIODES			
D500	B0ACCK000005	Diode	
D501	B0ACCK000005	Diode	
D502	B0ACCK000005	Diode	
D503	B0ACCK000005	Diode	
D504	B0ACCK000005	Diode	
D506	MA8056LMHTX	Diode	
D507	MA8056LMHTX	Diode	
D508	MA8056LMHTX	Diode	
D509	MA8056LMHTX	Diode	
D512	MA153TX	Diode	
D520	MA153TX	Diode	
D521	MA153TX	Diode	
D530	MA8068MTX	Diode	
D534	YEADSR1544TL	Diode	
D535	MA153TX	Diode	
D536	MA153TX	Diode	
D561	MA153TX	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D649	B0ACCK000005	Diode	
D650	B0ACCK000005	Diode	
D651	B0ACCK000005	Diode	
D652	B0ACCK000005	Diode	
D700	YEAD30D2FC6	Diode	
D701	YEAD30D2FC6	Diode	
D702	MA8051MTX	Diode	
D703	B0ACCK000005	Diode	
D704	B0ACCK000005	Diode	
D705	MA8091-HTX	Diode	
D706	B0ACCK000005	Diode	
D707	MAZ80620HL	Diode	
D708	B0ACCK000005	Diode	
D709	B0ACCK000005	Diode	
D800	YEADRD18M2T1	Diode	
D808	YEADRD18M2T1	Diode	
CAPACITORS			
C500	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C501	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C502	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C503	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C504	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C505	YECUS1H473KX	Ceramic, 0.047 μ F 50WV	
C511	YECUV2A102KX	Ceramic, 1000PF 100WV	
C513	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C514	YECUS1H471JC	Ceramic, 470PF 50WV	
C515	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C520	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C521	YECUS1H471JC	Ceramic, 470PF 50WV	
C522	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C523	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C524	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C530	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C531	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C532	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C533	YECUS1H471JC	Ceramic, 470PF 50WV	
C534	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C536	YECUS1H471JC	Ceramic, 470PF 50WV	
C537	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C560	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C608	YECUS1H150JC	Ceramic, 15PF 50WV	
C609	YECUS1H150JC	Ceramic, 15PF 50WV	
C610	YECUS1H100CC	Ceramic, 10PF 50WV	
C611	YECUS1H220JC	Ceramic, 22PF 50WV	
C613	YECUS1H220JC	Ceramic, 22PF 50WV	
C631	YECUS1H100CC	Ceramic, 10PF 50WV	
C660	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C700	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C701	ECA1CM102B	Electrolytic, 1000 μ F 16WV	
C702	YECUV2A103KX	Ceramic, 0.01 μ F 100WV	
C703	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C704	ECA1CM221B	Electrolytic, 220 μ F 16WV	
C705	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C707	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C708	ECA1CM221B	Electrolytic, 220 μ F 16WV	
C709	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C710	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C711	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C712	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C714	ECA1CM101B	Electrolytic, 100 μ F 16WV	
C715	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	ECA1CM221B	Electrolytic, 220 μ F 16WV	
C720	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C723	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C724	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C725	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C800	YECUS1H221JC	Ceramic, 220PF 50WV	
C801	YECUS1H221JC	Ceramic, 220PF 50WV	
C802	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

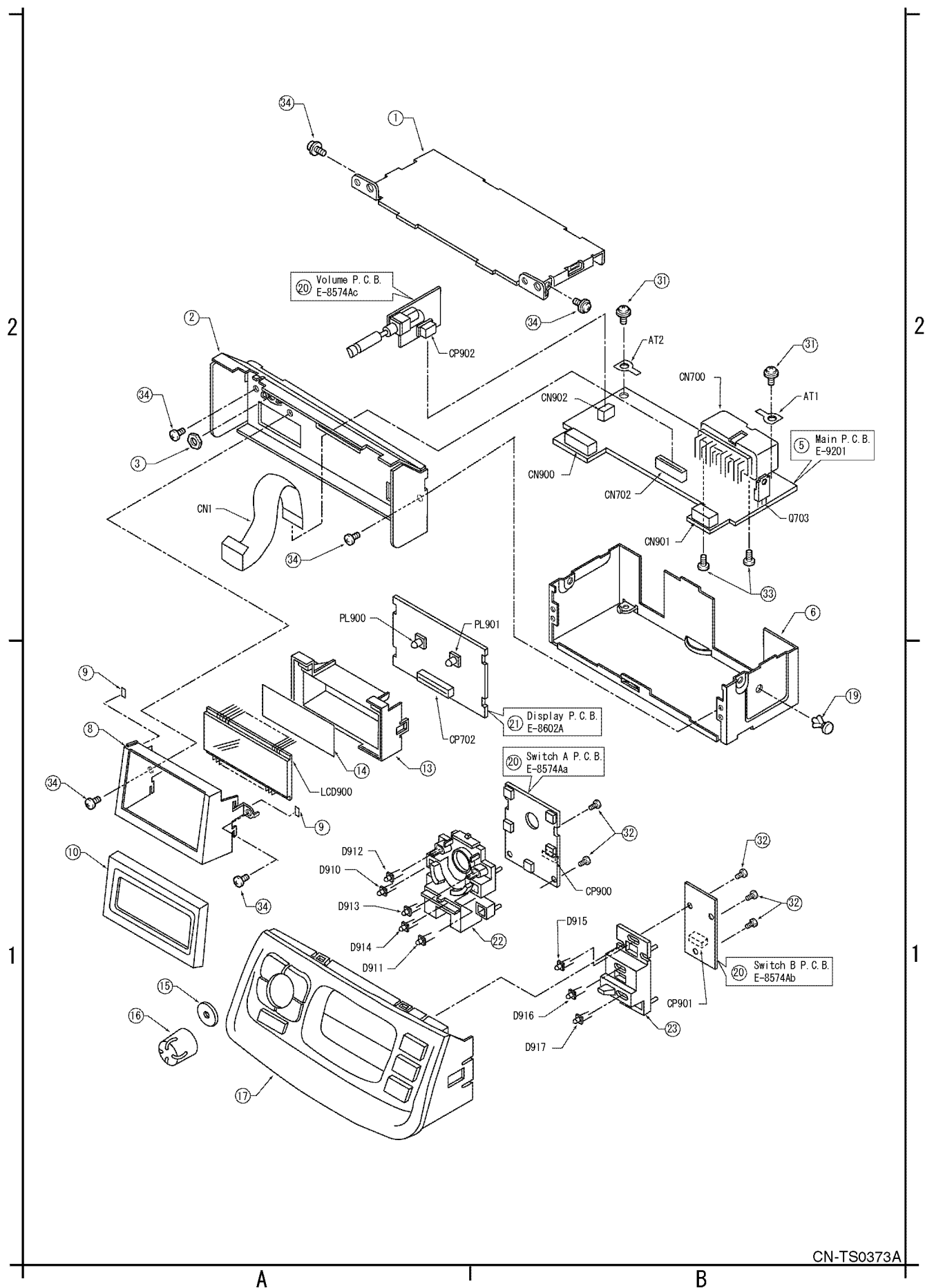
Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORS			
C691	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
J503	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J663	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
J665	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
J700	ERJ14YJ1R0H	Chip, 1 Ω 1/4W	
J701	ERJ14YJ1R0H	Chip, 1 Ω 1/4W	
J714	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J717	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
L530	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R500	ERJ6GEYJ432	Chip, 4.3k Ω 1/8W	
R501	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R502	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R503	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R504	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R505	ERJ6GEYJ512	Chip, 5.1k Ω 1/10W	
R506	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R510	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R511	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R515	ERA6YED303V	Metal Film, 30k Ω 1/10W	
R516	ERA6YED103V	Metal Film, 10k Ω 1/10W	
R517	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R520	D1BD82010001	Metal Film, 8.2k Ω 1/10W	
R521	ERA6YED123V	Metal Film, 12k Ω 1/10W	
R522	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R523	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R525	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R526	D1BD82010001	Metal Film, 8.2k Ω 1/10W	
R527	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R530	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R531	ERA6YED303V	Metal Film, 30k Ω 1/10W	
R532	ERA6YED103V	Metal Film, 10k Ω 1/10W	
R533	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R534	D1BD12030001	Metal Film, 120k Ω 1/10W	
R535	ERA6YED393V	Metal Film, 39k Ω 1/10W	
R536	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R537	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R538	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R550	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R551	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R552	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R553	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R560	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R561	D1BD56000001	Metal Film, 560 Ω 1/10W	
R605	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R607	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R608	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R610	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R611	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R616	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R624	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R627	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R628	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R629	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R630	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R631	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R632	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R635	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R637	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R638	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R639	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R642	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R645	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R647	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R653	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R654	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R655	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R656	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R657	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R658	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R659	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R660	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R661	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R662	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R664	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R666	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R670	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R676	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R691	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R692	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R693	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R695	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R700	ERJ14YJ2R2H	Chip, 2.2 Ω 1/4W	
R701	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R702	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R703	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R705	ERJ6GEYJ1R0	Chip, 1.0 Ω 1/10W	
R706	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R713	ERJ6RED274V	Metal Film, 270k Ω 1/10W	
R714	ERJ6RBD433V	Metal Film, 43k Ω 1/10W	
R715	ERJ6RBD273V	Metal Film, 27k Ω 1/10W	
R716	ERJ6RBD472V	Metal Film, 4.7k Ω 1/10W	
R717	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R800	ERJ14YJ101H	Chip, 100 Ω 1/4W	
R801	ERJ14YJ101H	Chip, 100 Ω 1/4W	
R812	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
CONNECTORS			
CN700	K1FA118B0002	Connector, 18P	
CN702	YEAEFH2120S1	Connector, 20P	
CN900	K1KA10B00162	Connector, 10P	
CN901	K1KA08B00189	Connector, 8P	
CN902	YEAETKCF06QS	Connector, 6P	
COILS			
L500	YELTBLM21A10	Coil	
L501	YELTBLM21A10	Coil	
L502	YELTBLM21A10	Coil	
L503	YELTBLM21A10	Coil	
L504	YELTBLM21A10	Coil	
L700	YETQ012G157	Coil	
L701	YELT03N100KT	Coil	
L702	YELT03N100KT	Coil	
L703	YELT03N100KT	Coil	
L704	YELT03N100KT	Coil	
L705	YELT03N100KT	Coil	
CRYSTALS			
XL600	YEXLMC60327	Crystal	
XL601	YEXL5F10000T	Crystal	
NETWORK RESISTORS			
RA550	D1H415220001	Network Resistor	1.5k Ω
RA649	EXBV8V102JV	Network Resistor	1k Ω
RA657	EXBV8V472JV	Network Resistor	4.7k Ω
RA667	EXBV8V102JV	Network Resistor	1k Ω
[E8574A] Switch/Volume Block			
DIODES			
D910	YEADSEL6414E	Diode	
D911	YEADSEL6414E	Diode	
D912	YEADSEL6414E	Diode	
D913	YEADSEL6414E	Diode	
D914	YEADSEL6414E	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D915	YEADSEL6414E	Diode	
D916	YEADSEL6414E	Diode	
D917	YEADSEL6414E	Diode	
CAPACITORS			
C923	YECUS1H473KX	Ceramic, 0.047μF 50WV	
C924	YECUS1H473KX	Ceramic, 0.047μF 50WV	
RESISTORS			
R906	ERJ8GEYJ221V	Chip, 220Ω 1/8W	
R907	ERJ8GEYJ151V	Chip, 150Ω 1/8W	
R908	ERJ8GEYJ151V	Chip, 150Ω 1/8W	
R923	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R924	ERJ6GEYJ331	Chip, 330Ω 1/10W	
CONNECTORS			
CP900	YEAETKCF10XS	Connector, 10P	
CP901	YEAETKCF08XS	Connector, 8P	
CP902	K1KA06B00133	Connector, 6P	
SWITCHES			
SW910	EVQ21G04K	Switch	
SW911	EVQ21G04K	Switch	
SW912	EVQ21G04K	Switch	
SW913	EVQ21G04K	Switch	
SW914	EVQ21G04K	Switch	
SW915	EVQ21G04K	Switch	
SW916	EVQ21G04K	Switch	
SW917	EVQ21G04K	Switch	
VARIABLE RESISTOR			
VR900	K9AA015B0027	Variablr resistor	
[E8602A] Display Block			
IC's and TRANSISTORS			
IC900	C0HBA0000030	IC	
CAPACITORS			
C956	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C958	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C959	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C961	F1J1H102A026	Ceramic, 1000PF 50WV	
RESISTORS			
R958	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R959	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R960	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R961	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
CONNECTOR			
CP702	YEAES203020	Connector, 20P	
LCD			
LCD900	L5AAAH000004	LCD	
LAMPS			
PL900	YEALSTGB052	Pilot Lamp	
PL901	YEALSTGB052	Pilot Lamp	

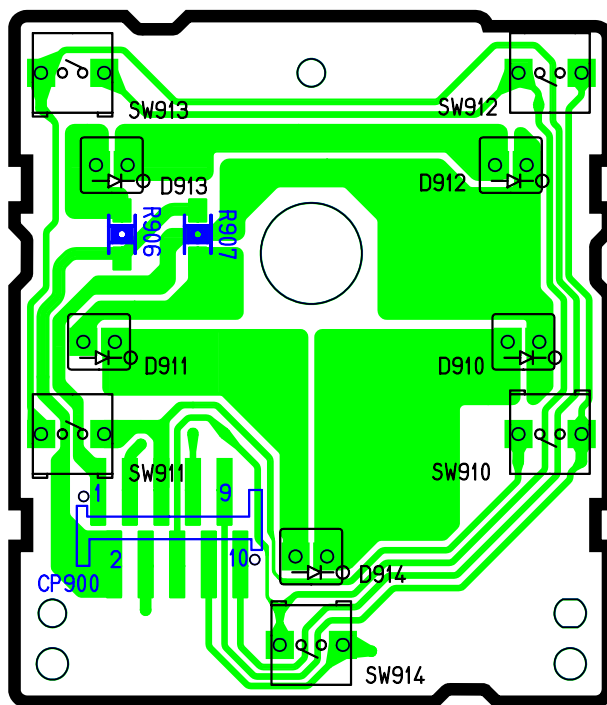
Ref. No.	Part No.	Part Name & Description	Remarks
Mechanical Parts			
MISCELLANEOUS			
AT1	YEAT03346A	Terminal	
AT2	YEAT03346A	Terminal	
CN1	K9ZZ00000215	Connector, 20P	
1	YEFA031625	Upper Cover	
2	YEFA07643	Front Plate	
3	YEJN01076	NUT, 7mm	
5	YEP0PT9201D0	PCB w/Component	RTL
6	YEFA011767	Chassis	
8	YEFA131395A	Case, LCD	
9	YEFV012026	Insulator	
10	YEFJ011530	Ornament Plate	
13	YEFK06840A	Holder, Rubber	
14	YEFV021601A	Optical Shade	
15	YEFS011601	Pad, Knob	
16	YEFE02428A	Knob, VOL	
17	YEFK027618C	Escutcheon Ass'y	
19	YEFJ05040	Color Rivet	
20	YEP0PT8574B0	PCB w/Component	RTL
21	YEP0PT8602A0	PCB w/Component	RTL
22	YEFK06821	Holder, Rubber	
23	YEFK06822	Holder, Rubber	
31	YEJT03015	Tapping Screw	
32	XTB2+6GFX	Tapping Screw, 2mm * 6mm	
33	YEJT01089	Tapping Screw	
34	XTB3+6FFX	Tapping Screw, 3mm * 6mm	

13 EXPLODED VIEW <CN-TS0373A>

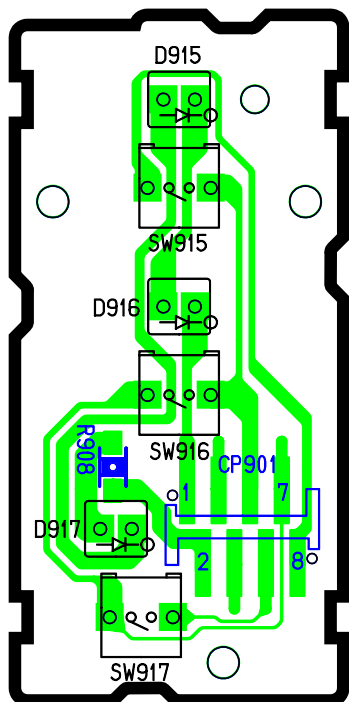


14 WIRING DIAGRAM

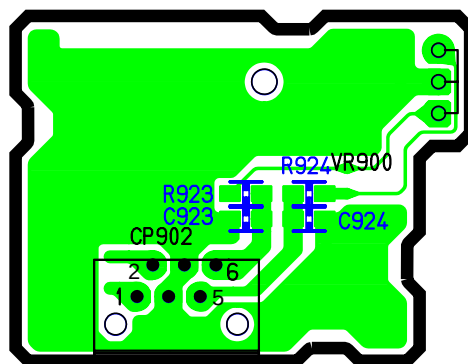
14.1. Switch/Volume Block



[E-8574Aa]

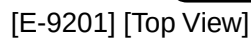


[E-8574Ab]

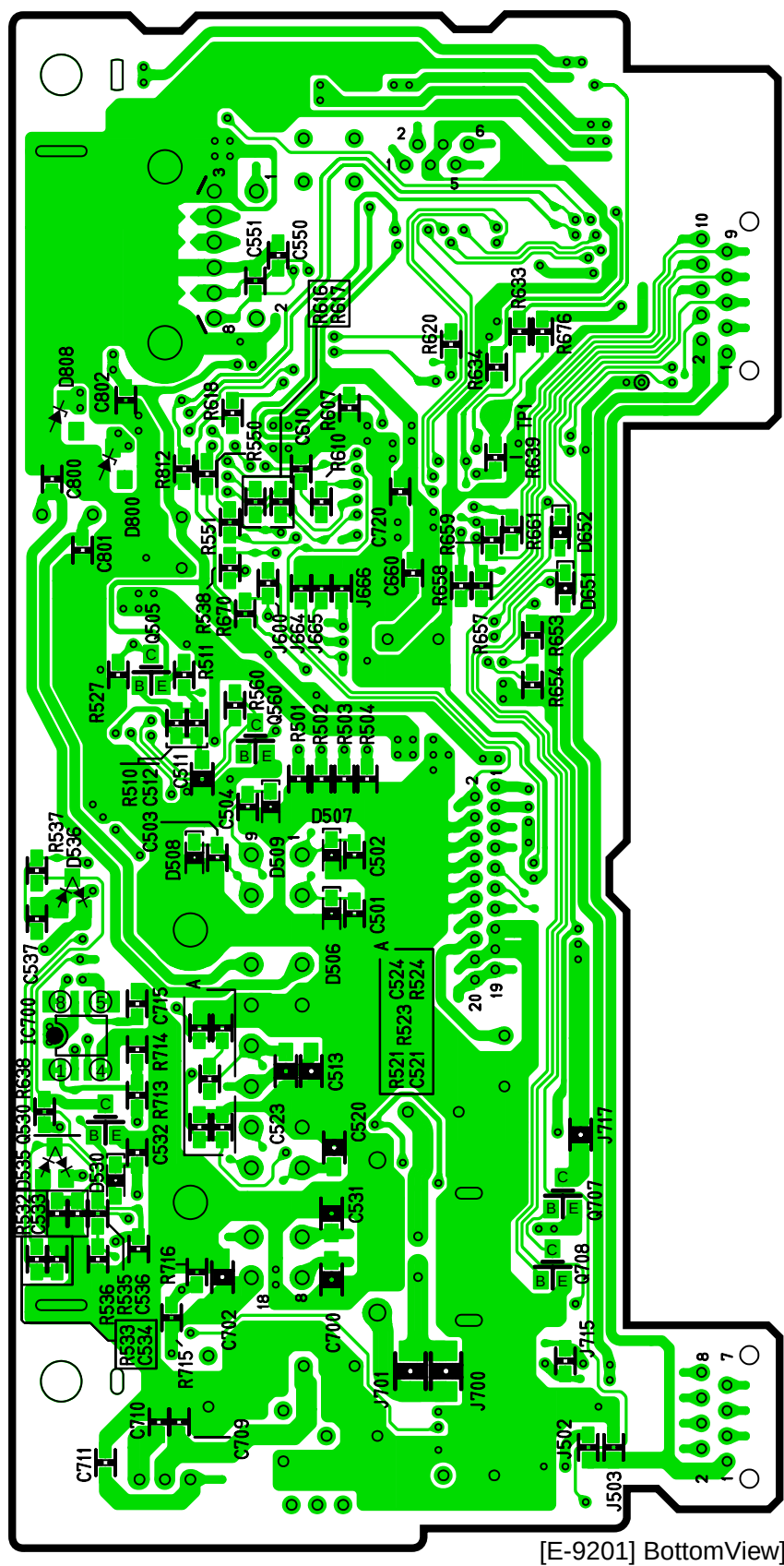


[E-8574Ac]

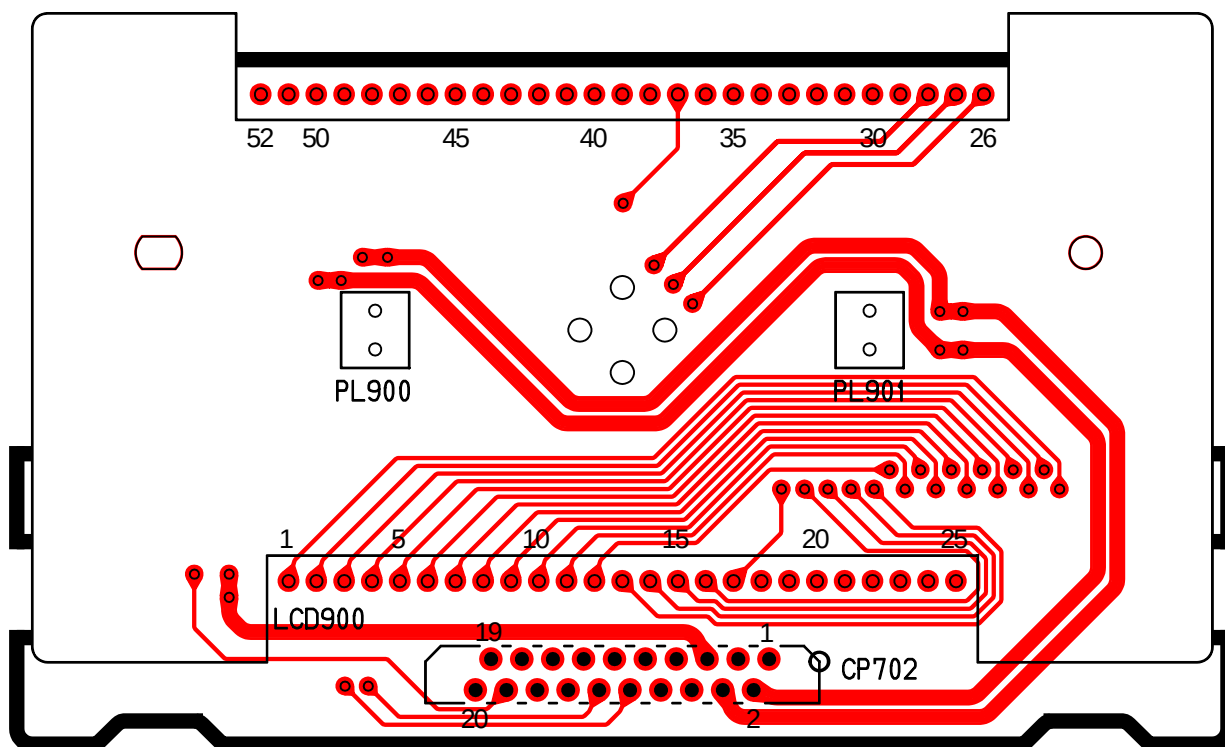
CN-TS0371A/TS0373A SW P.C.B



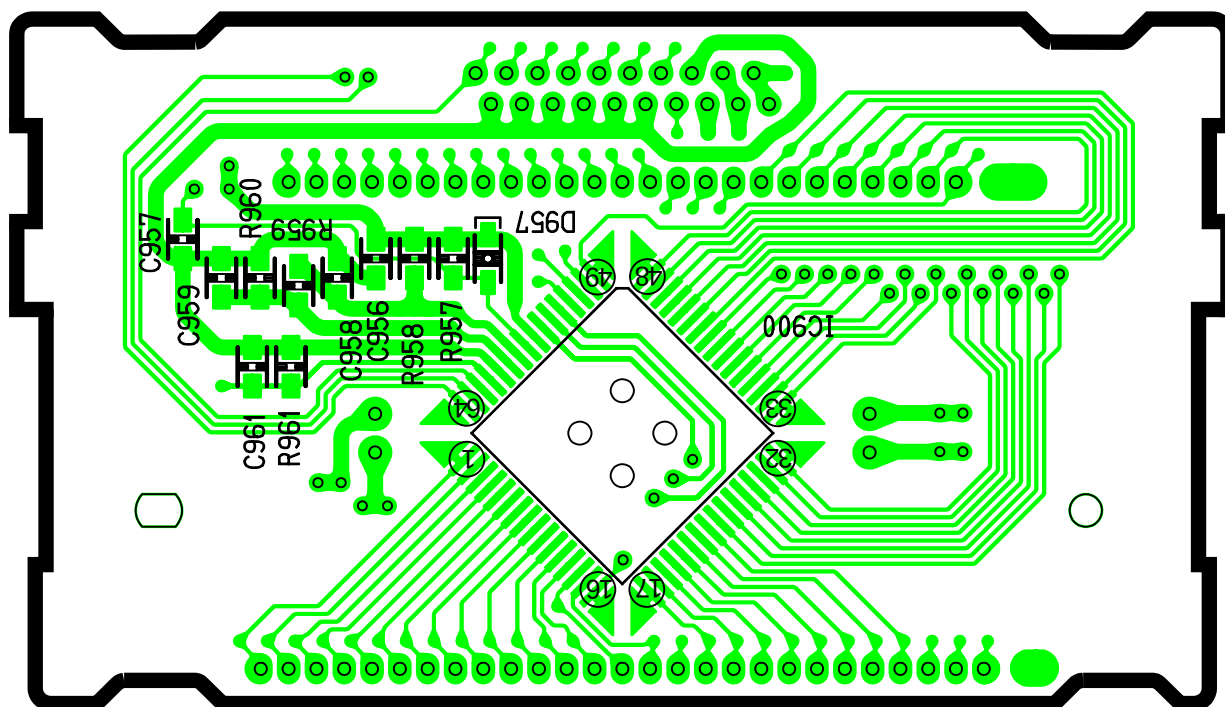
14.3. Main Block (Bottom View)



14.4. Display Block <CN-TS0373A>



[E-8602A] [Component Side]

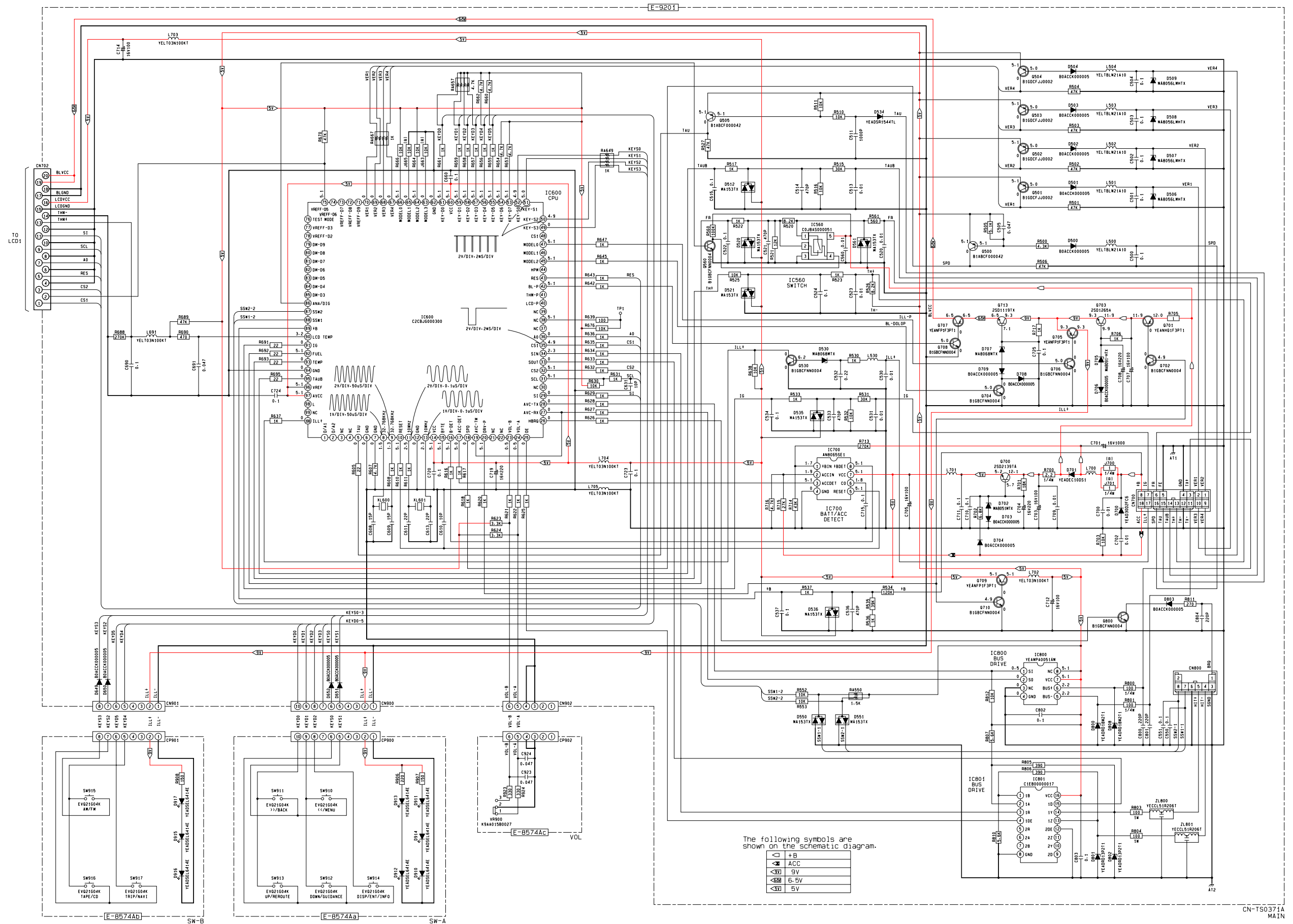


[E-8602A] [Solder Side]

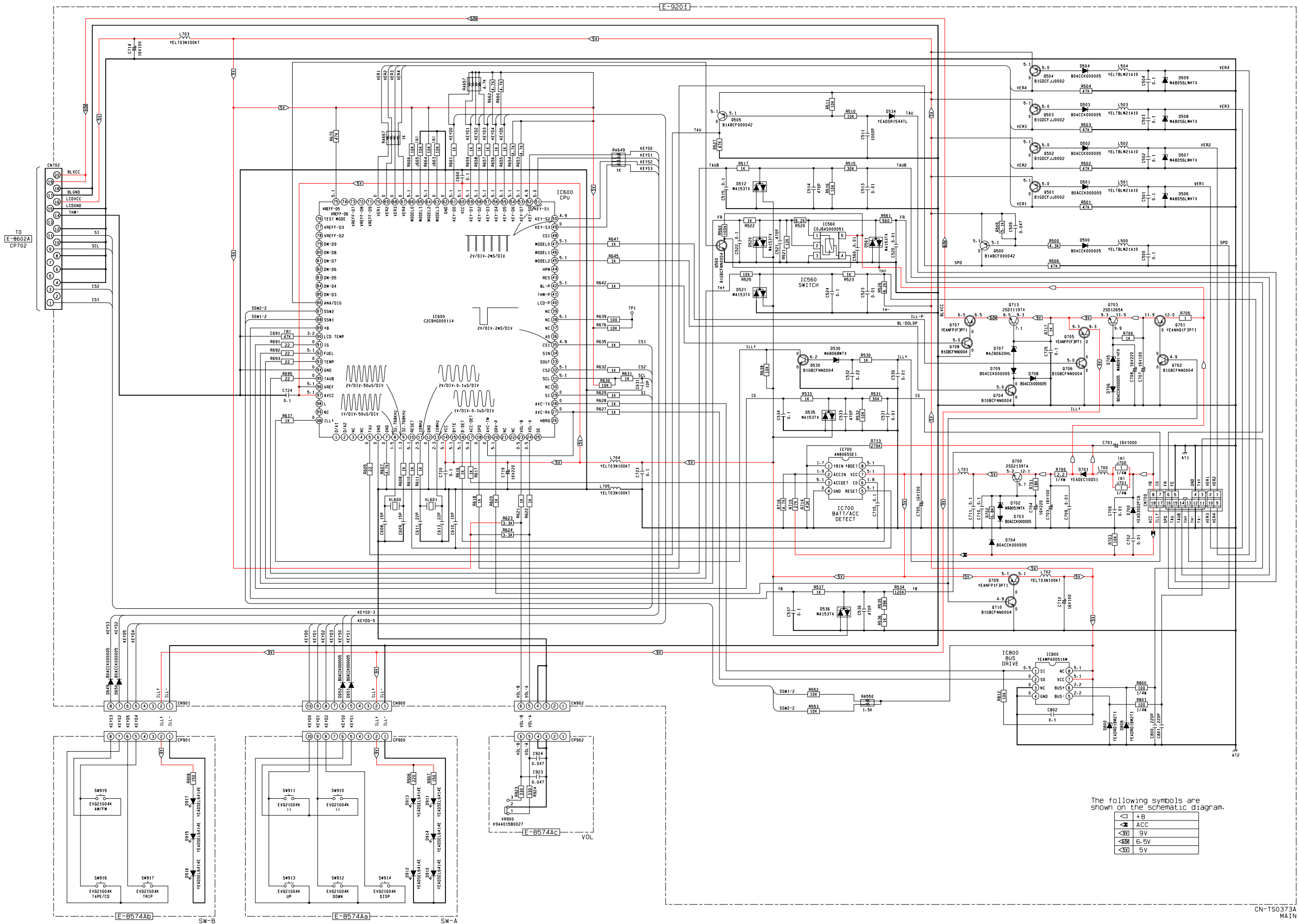
CN-TS0373A DISPLAY P.C.B

15 SCHEMATIC DIAGRAM -1

15.1. Main Block <CN-TS0371A>



15.2. Main Block <CN-TS0373A>

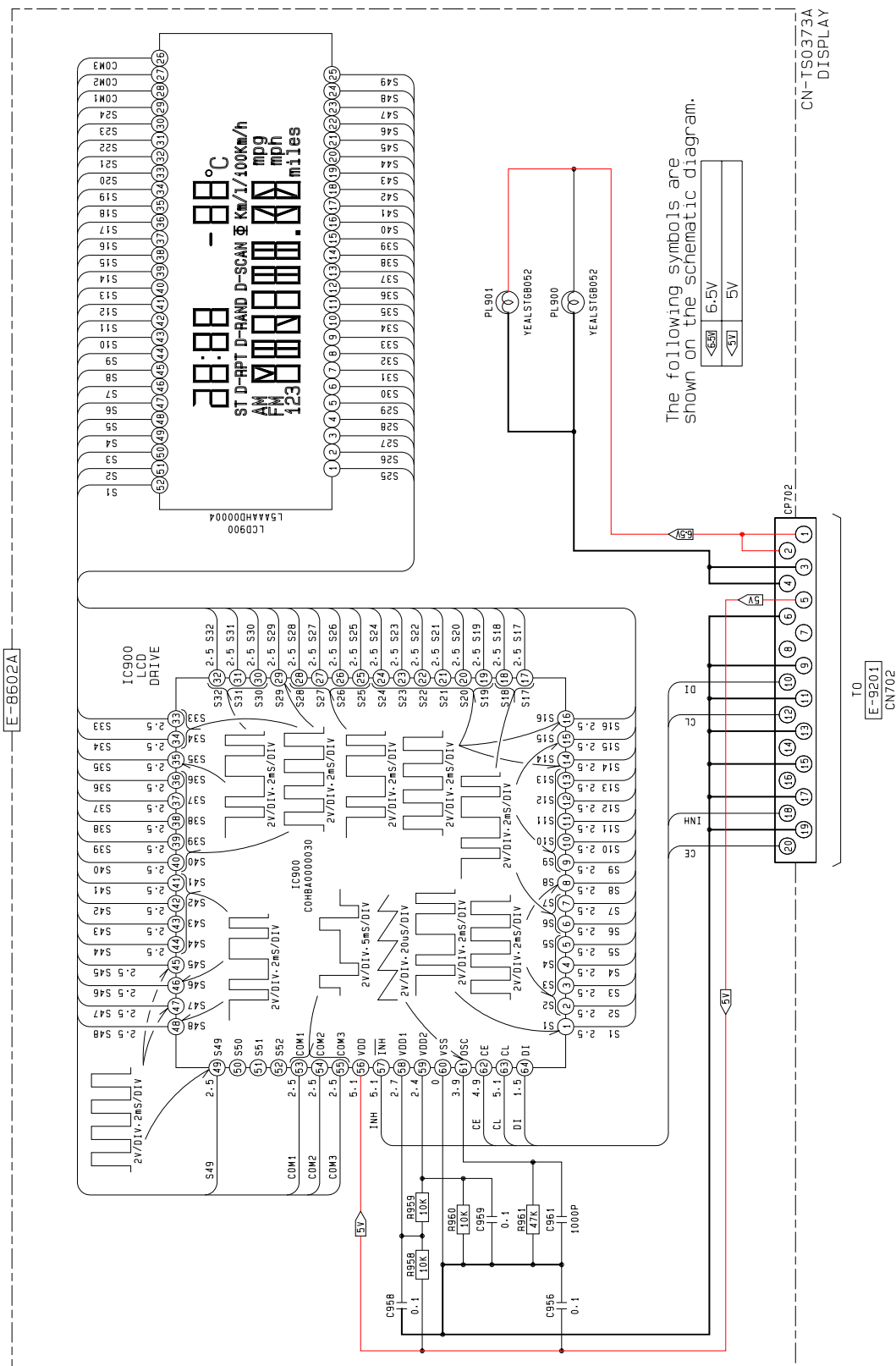


The following symbols are shown on the schematic diagram.

	+B
	ACC
	9V
	6.5V
	5V

16 SCHEMATIC DIAGRAM -2

16.1. Display Block <CN-TS0373A>



PARTS AVAILABILITY

HOW TO ORDER REPLACEMENT PARTS

Replacement parts can be ordered from either a Parts Depot or directly from Toyota Motor Corporation. When ordering, please refer to the Replacement Parts List in this service manual to insure that you receive the correct part.

Please enter not only part number(s) but also unit number of TOYOTA car radio / car stereo in a REMARKS column of the order sheet.

DISPONIBILIDAD DE PARTES DE REPUESTO

METODO DE HACER PEDIDOS DE PARTES DEREPUETO

Partes de repuesto pueden pedirse tanto a un Depósito de Partes de Repuesto (Parts Depot) como directamente a la Toyota Motor Corporation. En hacer los pedidos, refiérase a la Lista de Partes de Repuesto que se encuentra en este manual de servicio a fin de asegurarse de su recibo de las partes correctas.

Favor llenar la columna OBSERVACIONES de la hoja de pedido no solamente con el (los) número(s) de part(s) sino también con el número de la unidad de radio/estéreo de carro, TOYOTA.

DISPONIBILITE DE PIECES

MOYEN DE COMMANDER DES PIECES DE RECHANGE.

Les pièces de rechange seront commandées au Dépôt de Pièces (Parts Depot) ou directement à Toyota Motor Corporation. Lors d'une commande, veuillez consulter le Liste de pièces de rechange dans ce manuel d'atelier pour être sûr que vous recevez la pièce exacte. Veuillez écrire non seulement le(s) numéro(s) de pièce mais aussi le numéro d'unité de TOYOTA auto-radio/auto-stéréo dans la colonne REMARQUES du bulletin de commande.

TOYOTA PARTS AND ACCESSORIES ORDER										PAGE NO. _____ OF _____	
TO OVERSEAS PARTS DEPARTMENT TOYOTA MOTOR CORPORATION NAGOYA, JAPAN										DATE _____ B.O. _____ ORDER NO. _____	
☐ WEEKLY AIR ORDER ☐ EMERGENCY AIR ORDER ☐ NEW PARTS ORDER FOR MODEL: ☐ PRINTED MATTER ☐ OTHERS:										AIR FREIGHT	
1 CD 3 4 DIST F/D CODE 10 11 ORDER NO 18 19 H/I 2											
20 ITEM NO 23 24 PART NO 38 39 QTY 44 45 TRF 47 48 LOCATION 55 56 YEFC021421 64 65 引当指示目 70 REMARKS											
										86120-32040	

U.S.A. ————— PANASONIC PARTS DEPOT	
EASTERN REGIONAL PARTS DEPOT	
1225 NORTHBROOK PARKWAY SUITE 2-400 SUWANEE, GA 30174 PHONE : (404) 388-6800	
WESTERN REGIONAL PARTS DEPOT	
20421 84TH AVE. SOUTH KENT, WA 98032 PHONE : (206)-395-7343	

CANADA ————— PANASONIC PARTS DEPOT	
TRONTO	
PANASONIC CANADA INC. 5770 AMBLER DRIVE, MISSISSAUGA, ONTARIO L4W 2T3 PHONE : (905)-624-5010	

EUROPE ————— PANASONIC PARTS DEPOT	
HAMBURG	
PANASONIC SERVICE DEUTSCHLAND G.M.B.H. 2000 HAMBURG 28 AUSSCHLAGER BILLDEICH 32 F.R. GERMANY PHONE : (040)-789511	

SCANDINAVIA ————— PANASONIC PARTS DEPOT	
STOCKHOLM	
PANASONIC SERVICE SCANDINAVIAN A.B. INSTRUMENTVAGEN 29-31, BOX 43047, 100 72 STOCKHOLM, SWEDEN PHONE : 08-190180	

AUSTRALIA ————— PANASONIC PARTS DEPOT	
SYDNEY	
PANASONIC AUSTRALIA PTY, LTD 1 GARIGAL ROAD, BELROSE, N.S.W. 2085 PHONE : (02)-986-7640	
MELBOURNE	
PANASONIC AUSTRALIA PTY, LTD 1 CARIBBEAN DRIVE, SCORESBY VIC. 3179 PHONE : (03)-213-8888	
ADELAIDE	
PANASONIC AUSTRALIA PTY, LTD 125 PORT ROAD, HINDMARSH S.A. 5007 PHONE : (08)-346-3999	
BRISBANE	
PANASONIC AUSTRALIA PTY, LTD 494 NUDGE ROAD, HENDRA QUEENSLAND. 4012 PHONE : (07)-268-6455	
PERTH	
PANASONIC AUSTRALIA PTY, LTD 37 KEWDALE ROAD, WELSHPOOL, W.A. 6106 PHONE : (09)-451-7211	

OTHER COUNTRIES	
Please order from the Overseas Parts Department, Toyota Motor Corporation, using the normal Parts & Accessories Order Form for ordering Automobile parts.	

OTROS PAISES	
Favor hacer pedidos al Departamento Partes al Ultramar (Overseas parts Department), Toyota Motor Corporation utilizando el formulario normal de pedido de partes y accesorios que se usa para pedir las partes de repuestos de automóviles.	

AUTRES PAYS	
Veuillez commandes au département de pièces d'outre-mer (Overseas Parts Department), Toyota Motor Corporation, en vous servant du Bulletin de Commande Pièces & Accessoires pour des commandes de pièces d'automobile.	

TOYOTA MOTOR CORPORATION

OVERSEAS SERVICE DIVISION

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