

Service
Service
Service

Product Service Group CE Audio

Service Information

Already published Service Informations: A01-552 3140 785 22780
A01-553 3140 785 22790
A01-555 3140 785 22840
A01-556 3140 785 22850

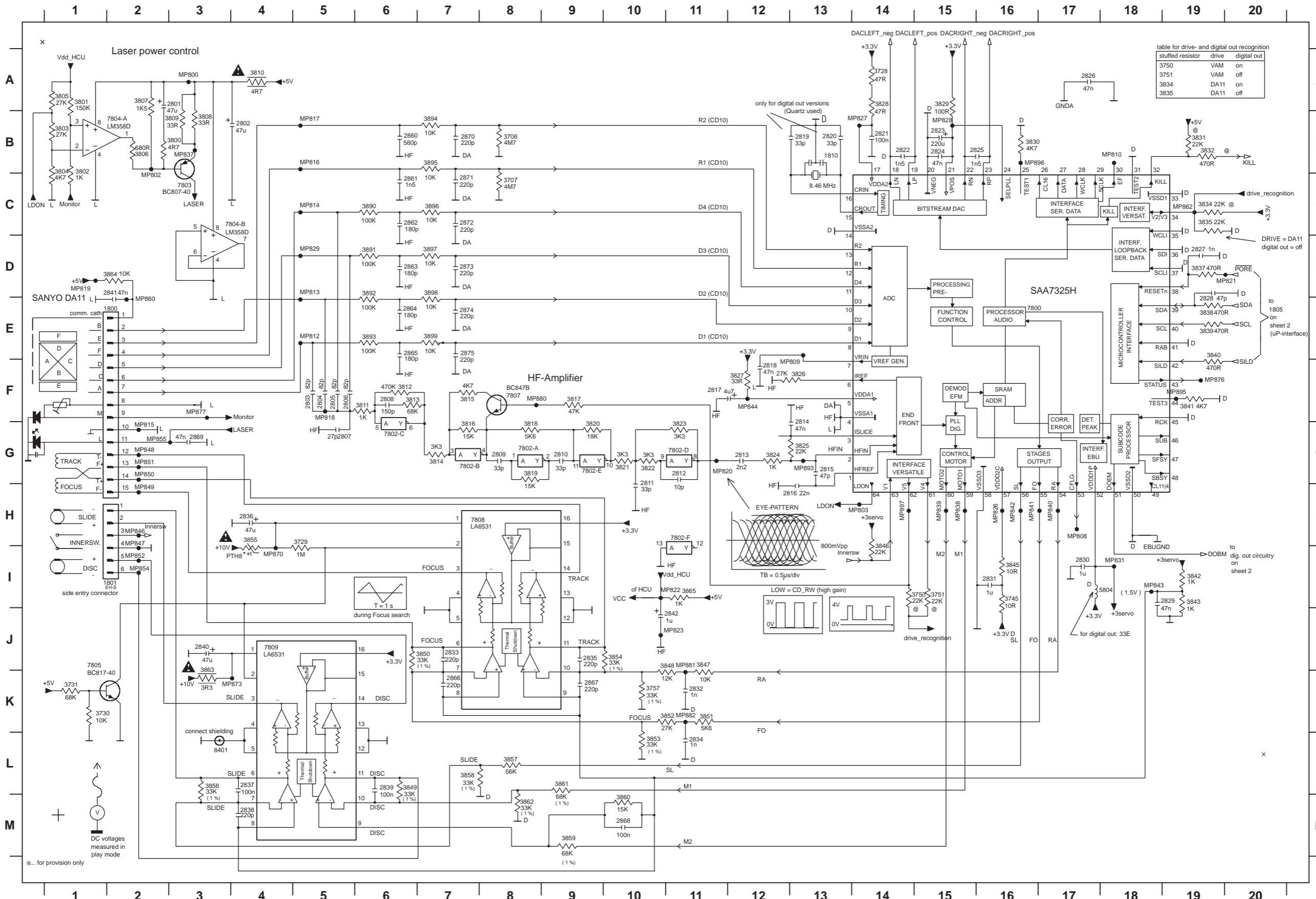
Between production week 0123 to 0152, a new CD99 DA11 module is used in production. This new CD module uses LA6531 as servo driver IC.

For servicing the sets which uses new CD module, please refer to the attached pages including:

CD99 (LA6531) BOARD

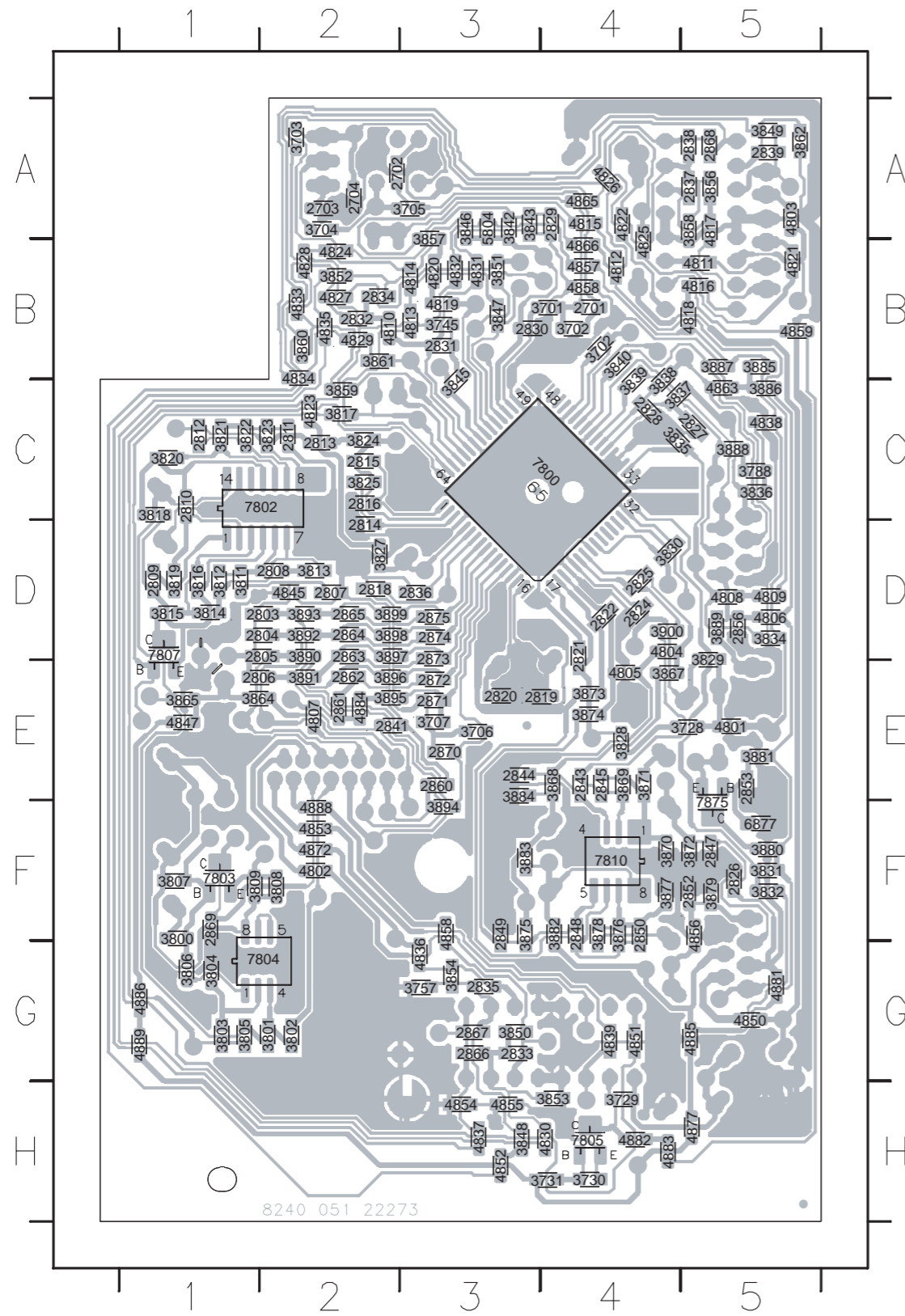
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CIRCUIT DIAGRAM - CD99 (LA6531) PART 1



- 1800 E2
- 1801 I2
- 2801 A3
- 2802 B4
- 2803 F5
- 2804 F5
- 2805 F5
- 2806 F5
- 2807 G5
- 2808 F6
- 2809 G8
- 2810 G9
- 2811 G10
- 2812 G11
- 2813 G12
- 2814 G13
- 2815 G13
- 2816 H13
- 2817 F11
- 2818 F12
- 2819 B13
- 2820 B13
- 2821 B14
- 2822 B14
- 2823 B15
- 2824 B15
- 2825 B15
- 2826 A17
- 2827 D19
- 2828 D19
- 2829 I19
- 2830 I17
- 2831 I16
- 2832 K11
- 2833 J7
- 2834 L11
- 2835 J9
- 2836 H4
- 2837 L4
- 2838 M4
- 2839 L6
- 2840 J3
- 2841 D2
- 2842 J11
- 2843 B6
- 2844 J6
- 2845 E6
- 2846 E6
- 2847 K7
- 2848 M10
- 2849 G3
- 2850 B7
- 2851 C7
- 2852 G11
- 2853 D7
- 2854 E7
- 2855 E7
- 2856 K7
- 2857 K9
- 2858 M10
- 2859 G3
- 2860 B7
- 2861 C7
- 2862 C6
- 2863 D6
- 2864 E6
- 2865 E6
- 2866 K7
- 2867 K9
- 2868 M10
- 2869 G3
- 2870 B7
- 2871 C7
- 2872 C7
- 2873 D7
- 2874 E7
- 2875 E7
- 2876 B8
- 2877 C8
- 2878 A14
- 2879 H5
- 2880 K1
- 2881 K1
- 2882 K1
- 2883 K1
- 2884 B1
- 2885 A1
- 2886 B2
- 2887 A2
- 2888 B3
- 2889 B3
- 2890 B3
- 2891 A4
- 2892 F6
- 2893 F6
- 2894 F6
- 2895 F6
- 2896 F6
- 2897 F6
- 2898 F6
- 2899 F6
- 2900 F6
- 2901 A1
- 2902 B1
- 2903 B1
- 2904 B1
- 2905 B1
- 2906 B1
- 2907 B1
- 2908 B1
- 2909 B1
- 2910 B1
- 2911 B1
- 2912 B1
- 2913 B1
- 2914 B1
- 2915 B1
- 2916 B1
- 2917 B1
- 2918 B1
- 2919 B1
- 2920 B1
- 2921 B1
- 2922 B1
- 2923 B1
- 2924 B1
- 2925 B1
- 2926 B1
- 2927 B1
- 2928 B1
- 2929 B1
- 2930 B1
- 2931 B1
- 2932 B1
- 2933 B1
- 2934 B1
- 2935 B1
- 2936 B1
- 2937 B1
- 2938 B1
- 2939 B1
- 2940 B1
- 2941 B1
- 2942 B1
- 2943 B1
- 2944 B1
- 2945 B1
- 2946 B1
- 2947 B1
- 2948 B1
- 2949 B1
- 2950 B1

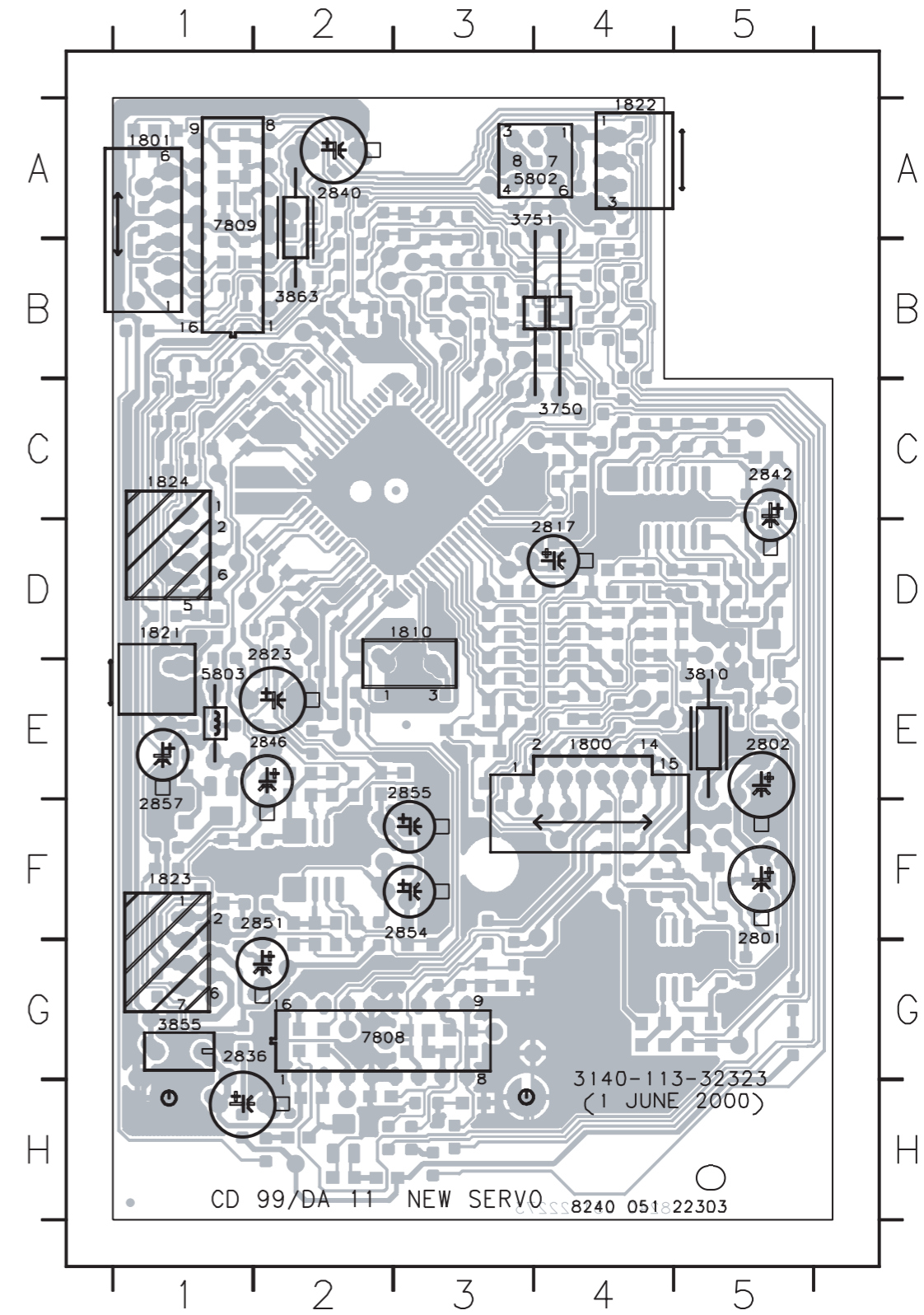
LAYOUT DIAGRAM - CD99 (LA6531) - Copper side



2701 B4	3702 B4	3857 B3	4825 B4
2702 A2	3703 A2	3858 A5	4826 A4
2703 A2	3704 A2	3859 C2	4827 B2
2704 A2	3705 A3	3860 B2	4828 B2
2803 D2	3706 E3	3861 B2	4829 B2
2804 D2	3707 E3	3862 A5	4830 H4
2805 D2	3728 E5	3864 E1	4831 B3
2806 E1	3729 H4	3865 E1	4832 B3
2807 D2	3730 H4	3867 E4	4833 B2
2808 D2	3731 H4	3868 E4	4834 B2
2809 D1	3745 B3	3869 E4	4835 B2
2810 C1	3757 G3	3870 F4	4836 G3
2811 C2	3788 C5	3871 E4	4837 H3
2812 C1	3800 F1	3872 F5	4838 C5
2813 C2	3801 G2	3873 E4	4839 G4
2814 D2	3802 G2	3874 E4	4845 D2
2815 C2	3803 G1	3875 F3	4847 E1
2816 C2	3804 G1	3876 F4	4848 B4
2818 D2	3805 G1	3877 F4	4850 G5
2819 E4	3806 G1	3878 F4	4851 G4
2820 E3	3807 F1	3879 F5	4852 H3
2821 D4	3808 F2	3880 F5	4853 F2
2822 D4	3809 F1	3881 E5	4854 H3
2824 D4	3811 D1	3882 F4	4855 H3
2825 D4	3812 D1	3883 F3	4856 F5
2826 F5	3813 D2	3884 E3	4857 B4
2827 C5	3814 D1	3885 B5	4858 F3
2828 C4	3815 D1	3886 C5	4859 B5
2829 A4	3816 D1	3887 B5	4863 C5
2830 B3	3817 C2	3888 C5	4865 A4
2831 B3	3818 C1	3889 D5	4866 B4
2832 B2	3819 D1	3890 D2	4872 F2
2833 G3	3820 C1	3891 E2	4877 H5
2834 B2	3821 C1	3892 D2	4881 G5
2835 G3	3822 C1	3893 D2	4882 H4
2837 A5	3823 C2	3894 F3	4883 H4
2838 A5	3824 C2	3895 E2	4884 E2
2839 A5	3825 C2	3896 E2	4885 G5
2841 E2	3826 D3	3897 D2	4886 G1
2843 E4	3827 D2	3898 D2	4888 F2
2844 E3	3828 E4	3899 D2	4889 G1
2845 E4	3829 D5	3900 D4	5804 A3
2847 F5	3830 D4	4801 E5	6877 F5
2848 F4	3831 F5	4802 F2	7800 C4
2849 F3	3832 F5	4803 A5	7802 C2
2850 F4	3834 D5	4804 D4	7803 F1
2852 F5	3835 C4	4805 E4	7804 G2
2853 E5	3836 C5	4806 D5	7805 H4
2856 D5	3837 C4	4807 E2	7807 D1
2860 E3	3838 C4	4808 D5	7810 F4
2861 E2	3839 C4	4809 D5	7875 F5
2862 E2	3840 B4	4810 B2	
2863 D2	3841 B4	4811 B5	
2864 D2	3842 A3	4812 B4	
2865 D2	3843 A3	4813 B3	
2866 G3	3845 C3	4814 B3	
2867 G3	3846 A3	4815 A4	
2868 A5	3847 B3	4816 B5	
2869 F1	3848 H3	4817 A5	
2870 E3	3849 A5	4818 B5	
2871 E3	3850 G3	4819 B3	
2872 E3	3851 B3	4820 B3	
2873 D3	3852 B2	4821 B5	
2874 D3	3853 H4	4822 A4	
2875 D3	3854 G3	4823 C2	
3701 B4	3856 A5	4824 B2	

LAYOUT DIAGRAM - CD99 (LA6531) - Component side

1800 E4	1823 F1	2823 D2	2851 F2	3751 A3	5803 E1
1801 A1	1824 C1	2836 G1	2854 F3	3810 E5	7808 G2
1810 D3	2801 F5	2840 A2	2855 E3	3855 G1	7809 A1
1821 D1	2802 E5	2842 C5	2857 F1	3863 B2	8401 H3
1822 A4	2817 D4	2846 E2	3750 C4	5802 A4	8402 H1



ELECTRICAL PARTSLIST - CD BOARD

- MISCELLANEOUS -

1800	4822 265 10925	FFC CONNECTOR 15-PINS
1823	4822 265 11207	CONNECTOR 6-PINS
1824	4822 265 11207	CONNECTOR 6-PINS

- CAPACITORS -

2801	4822 124 41751	47 F 20% 50V
2802	4822 124 41751	47 F 20% 50V
2803	4822 126 13695	82pF 1% NP0 63V
2804	4822 126 13695	82pF 1% NP0 63V
2805	4822 126 13695	82pF 1% NP0 63V

2806	4822 126 13695	82pF 1% NP0 63V
2807	4822 126 13691	27pF 1% NP0 63V
2808	5322 122 33538	150pF 2% NP0 63V
2809	4822 126 13691	27pF 1% NP0 63V
2810	4822 126 13691	27pF 1% NP0 63V

2811	5322 122 32659	33pF 5% 50V
2812	5322 122 32448	10pF 5% NP0 63V
2813	4822 122 33127	2,2nF 10% X7R 63V
2814	4822 126 13751	47nF 10% X7R 63V
2815	4822 126 13692	47pF 1% NP0 63V

2816	5322 122 32654	22nF 10% X7R 63V
2817	4822 124 40769	4,7 F 20% 100V
2818	4822 126 13751	47nF 10% X7R 63V
2821	4822 126 14585	100nF 10% X7R 50V
2822	4822 126 13344	1,5nF 5% 63V

2823	4822 124 42383	220 F 20% 4V
2824	4822 126 13751	47nF 10% X7R 63V
2825	4822 126 13344	1,5nF 5% 63V
2826	4822 126 13751	47nF 10% X7R 63V
2827	5322 122 31647	1nF 10% X7R 63V

2828	4822 126 13692	47pF 1% NP0 63V
2829	4822 126 13751	47nF 10% X7R 63V
2830	4822 126 14043	1 F +80-20% Y5V 16V
2831	4822 126 14043	1 F +80-20% Y5V 16V
2832	5322 122 31647	1nF 10% X7R 63V

2833	4822 122 33575	220pF 5% NP0 63V
2834	5322 122 31647	1nF 10% X7R 63V
2835	4822 122 33575	220pF 5% NP0 63V
2836	4822 124 41751	47 F 20% 50V
2837	4822 126 14585	100nF 10% X7R 50V

2838	4822 122 33575	220pF 5% NP0 63V
2839	4822 126 14585	100nF 10% X7R 50V
2840	4822 124 41751	47 F 20% 50V
2841	4822 126 13751	47nF 10% X7R 63V
2842	4822 124 21913	1 F 20% 63V

2843	5322 122 32531	100pF 5% NP0 50V
2844	4822 122 33575	220pF 5% NP0 63V
2845	4822 122 33575	220pF 5% NP0 63V
2846	4822 124 40248	10 F 20% 63V
2848	5322 122 32531	100pF 5% NP0 50V

- CAPACITORS -

2849	4822 122 33575	220pF 5% NP0 63V
2850	4822 122 33575	220pF 5% NP0 63V
2851	4822 124 40248	10 F 20% 63V
2853	4822 122 33177	10nF 20% X7R 50V
2854	4822 124 11912	220 F 20% 6,3V

2855	4822 124 11912	220 F 20% 6,3V
2857	4822 124 12362	47 20% 4V
2860	5322 116 80853	560pF 5% NP0 63V
2861	5322 122 31865	1,5nF 10% X7R 63V
2862	4822 126 10326	180pF 5% NP0 63V

2863	4822 126 10326	180pF 5% NP0 63V
2864	4822 126 10326	180pF 5% NP0 63V
2865	4822 126 10326	180pF 5% NP0 63V
2866	4822 122 33575	220pF 5% NP0 63V
2867	4822 122 33575	220pF 5% NP0 63V

2868	4822 126 14585	100nF 10% X7R 50V
2869	4822 126 13751	47nF 10% X7R 63V
2870	4822 122 33575	220pF 5% NP0 63V
2871	4822 122 33575	220pF 5% NP0 63V
2872	4822 122 33575	220pF 5% NP0 63V

2873	4822 122 33575	220pF 5% NP0 63V
2874	4822 122 33575	220pF 5% NP0 63V
2875	4822 122 33575	220pF 5% NP0 63V

- RESISTORS -

3751	4822 116 83872	220R 5% 0,5W
3752	4822 116 83872	220R 5% 0,5W
3753	4822 116 83872	220R 5% 0,5W
3762	4822 116 83872	220R 5% 0,5W
3763	4822 116 83872	220R 5% 0,5W

3764	4822 116 83872	220R 5% 0,5W
3767	4822 116 83883	470R 5% 0,5W
3770	4822 116 83883	470R 5% 0,5W
3803	4822 050 21003	10K 1% 0,6W
3804	4822 116 52257	22K 5% 0,5W

3807	4822 116 52226	560R 5% 0,5W
3815	4822 050 11002	1K 1% 0,4W
3816	4822 116 52283	47K 5% 0,5W
3817	4822 116 52283	47K 5% 0,5W
3818	4822 116 52239	120K 5% 0,5W

3819	4822 050 21003	10K 1% 0,6W
3820	4822 050 11002	1K 1% 0,4W
3825	4822 050 21003	10K 1% 0,6W
3826	4822 050 21003	10K 1% 0,6W
3827	4822 050 21003	10K 1% 0,6W

3828	4822 050 21003	10K 1% 0,6W
3829	4822 050 21003	10K 1% 0,6W
3830	4822 050 21003	10K 1% 0,6W
3832	4822 116 52191	33R 5% 0,5W
3833	4822 050 11002	1K 1% 0,4W

ELECTRICAL PARTSLIST - CD BOARD

- RESISTORS -

3706	4822 051 20475	4,7M 5% 0,1W
3707	4822 051 20475	4,7M 5% 0,1W
3728	4822 051 20479	47R 5% 0,1W
3745	4822 051 20109	10R 5% 0,1W
3757	2120 108 92632	33K 1%

3788	4822 051 20472	4,7K 5% 0,1W
3800	4822 051 20478	4,7R 5% 0,1W
3801	4822 051 20154	150K 5% 0,1W
3802	4822 051 10102	1K 2% 0,25W
3803	4822 051 20273	27K 5% 0,1W

3804	4822 051 20472	4,7K 5% 0,1W
3805	4822 051 20273	27K 5% 0,1W
3806	4822 117 10361	680R 1% 0,1W
3807	4822 117 11139	1,5K 1% 0,1W
3808	4822 051 20339	33R 5% 0,1W

3809	4822 051 20339	33R 5% 0,1W
3810	4822 052 10478	4,7R 5% 0,33W
3811	4822 051 10102	1K 2% 0,25W
3812	4822 051 20474	470K 5% 0,1W
3813	4822 051 20683	68K 5% 0,1W

3814	4822 051 20332	3,3K 5% 0,1W
3815	4822 051 20472	4,7K 5% 0,1W
3816	4822 116 83933	15K 1% 0,1W
3817	4822 117 10834	47K 1% 0,1W
3818	4822 051 20562	5,6K 5% 0,1W

3819	4822 116 83933	15K 1% 0,1W
3820	4822 117 10965	18K 1% 0,1W
3821	4822 051 20332	3,3K 5% 0,1W
3822	4822 051 20332	3,3K 5% 0,1W
3823	4822 051 20332	3,3K 5% 0,1W

3824	4822 051 10102	1K 2% 0,25W
3825	4822 051 20223	22K 5% 0,1W
3826	4822 051 20273	27K 5% 0,1W
3827	4822 051 20339	33R 5% 0,1W
3828	4822 051 20479	47R 5% 0,1W

3829	4822 051 20101	100R 5% 0,1W
3830	4822 051 20472	4,7K 5% 0,1W
3835	4822 051 20223	22K 5% 0,1W
3836	4822 117 10833	10K 1% 0,1W
3837	4822 051 20471	470R 5% 0,1W

3838	4822 051 20471	470R 5% 0,1W
3839	4822 051 20471	470R 5% 0,1W
3840	4822 051 20471	470R 5% 0,1W
3841	4822 051 20472	4,7K 5% 0,1W
3842	4822 051 10102	1K 2% 0,25W

3843	4822 051 10102	1K 2% 0,25W
3845	4822 051 20109	10R 5% 0,1W
3846	4822 051 20223	22K 5% 0,1W
3847	4822 117 10833	10K 1% 0,1W
3848	4822 117 11383	12K 1% 0,1W

ELECTRICAL PARTSLIST - CD BOARD

- RESISTORS -

3849	2120 108 92632	33K 1%
3850	2120 108 92632	33K 1%
3851	4822 051 20562	5,6K 5% 0,1W
3852	4822 051 20273	27K 5% 0,1W
3853	2120 108 92632	33K 1%

3854	2120 108 92632	33K 1%
3855	4822 116 40227	4,6R 25% 12V
3856	2120 108 92632	33K 1%
3857	4822 117 11148	56K 1% 0,1W
3858	2120 108 92632	33K 1%

3859	2120 108 92636	68K 1%
3860	4822 116 83933	15K 1% 0,1W
3861	2120 108 92636	68K 1%
3862	2120 108 92632	33K 1%
3863	4822 052 10338	3,3R 5% 0,33W

3864	4822 117 10833	10K 1% 0,1W
3865	4822 051 10102	1K 2% 0,25W
3867	4822 051 20223	22K 5% 0,1W
3868	4822 117 10833	10K 1% 0,1W
3869	4822 117 10833	10K 1% 0,1W

3871	4822 051 20471	470R 5% 0,1W
3872	4822 117 10834	47K 1% 0,1W
3873	4822 051 20223	22K 5% 0,1W
3874	4822 051 20223	22K 5% 0,1W
3875	4822 117 10833	10K 1% 0,1W

3876	4822 117 10833	10K 1% 0,1W
3878	4822 051 20471	470R 5% 0,1W
3879	4822 117 10834	47K 1% 0,1W
3880	4822 051 20339	33R 5% 0,1W
3881	4822 117 10353	150R 1% 0,1W

3882	4822 051 20101	100R 5% 0,1W
3883	4822 051 10102	1K 2% 0,25W
3884	4822 051 10102	1K 2% 0,25W
3886	4822 117 10833	10K 1% 0,1W
3887	4822 117 10833	10K 1% 0,1W

3888	4822 051 20472	4,7K 5% 0,1W
3889	4822 051 10102	1K 2% 0,25W
3890	4822 117 10837	100K 1% 0,1W
3891	4822 117 10837	100K 1% 0,1W
3892	4822 117 10837	100K 1% 0,1W

3893	4822 117 10837	100K 1% 0,1W
3894	4822 117 10833	10K 1% 0,1W
3895	4822 117 10833	10K 1% 0,1W
3896	4822 117 10833	

ELECTRICAL PARTSLIST - CD BOARD**- RESISTORS -**

4803	4822 051 20008	OR JUMPER (0805)
4807	4822 051 20008	OR JUMPER (0805)
4808	4822 051 20008	OR JUMPER (0805)
4809	4822 051 20008	OR JUMPER (0805)
4810	4822 051 20008	OR JUMPER (0805)
4811	4822 051 20008	OR JUMPER (0805)
4812	4822 051 20008	OR JUMPER (0805)
4813	4822 051 20008	OR JUMPER (0805)
4814	4822 051 20008	OR JUMPER (0805)
4815	4822 051 20008	OR JUMPER (0805)
4816	4822 051 20008	OR JUMPER (0805)
4817	4822 051 20008	OR JUMPER (0805)
4818	4822 051 20008	OR JUMPER (0805)
4819	4822 051 20008	OR JUMPER (0805)
4820	4822 051 20008	OR JUMPER (0805)
4821	4822 051 20008	OR JUMPER (0805)
4822	4822 051 20008	OR JUMPER (0805)
4823	4822 051 20008	OR JUMPER (0805)
4824	4822 051 20008	OR JUMPER (0805)
4825	4822 051 20008	OR JUMPER (0805)
4826	4822 051 20008	OR JUMPER (0805)
4827	4822 051 20008	OR JUMPER (0805)
4828	4822 051 20008	OR JUMPER (0805)
4829	4822 051 20008	OR JUMPER (0805)
4830	4822 051 20008	OR JUMPER (0805)
4831	4822 051 20008	OR JUMPER (0805)
4832	4822 051 20008	OR JUMPER (0805)
4833	4822 051 20008	OR JUMPER (0805)
4834	4822 051 20008	OR JUMPER (0805)
4835	4822 051 20008	OR JUMPER (0805)
4836	4822 051 20008	OR JUMPER (0805)
4837	4822 051 20008	OR JUMPER (0805)
4838	4822 051 20008	OR JUMPER (0805)
4839	4822 051 20008	OR JUMPER (0805)
4845	4822 051 20008	OR JUMPER (0805)
4847	4822 051 20008	OR JUMPER (0805)
4848	4822 051 20008	OR JUMPER (0805)
4850	4822 051 20008	OR JUMPER (0805)
4851	4822 051 20008	OR JUMPER (0805)
4852	4822 051 20008	OR JUMPER (0805)
4853	4822 051 20008	OR JUMPER (0805)
4854	4822 051 20008	OR JUMPER (0805)
4855	4822 051 20008	OR JUMPER (0805)
4856	4822 051 20008	OR JUMPER (0805)
4857	4822 051 20008	OR JUMPER (0805)
4858	4822 051 20008	OR JUMPER (0805)
4859	4822 051 20008	OR JUMPER (0805)
4863	4822 051 20008	OR JUMPER (0805)
4865	4822 051 20008	OR JUMPER (0805)
4866	4822 051 20008	OR JUMPER (0805)

- RESISTORS -

4872	4822 051 20008	OR JUMPER (0805)
4877	4822 051 20008	OR JUMPER (0805)
4881	4822 051 20008	OR JUMPER (0805)
4884	4822 051 20008	OR JUMPER (0805)
4885	4822 051 20008	OR JUMPER (0805)
4886	4822 051 20008	OR JUMPER (0805)
4888	4822 051 20008	OR JUMPER (0805)
4889	4822 051 20008	OR JUMPER (0805)

- COILS & FILTERS -

1810	4822 242 73557	CER. RES. CST8,46MTW-TF01
5803	4822 157 53302	1UH
5804	4822 157 71206	BLM21A601SPT

- DIODES -

6877	4822 130 11564	UDZ3.9B
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- IC & TRANSISTORS -

7800	9352 642 17557	SAA7325H/M2B
7802	5322 209 11517	PC74HCU04T
7803	5322 130 60123	BC807-40
7804	5322 209 82941	LM358D
7807	5322 130 42755	BC847C
7808	4822 209 32636	LA6531
7809	4822 209 32636	LA6531
7810	4822 209 33165	TDA1308T/N1
7875	5322 130 60159	BC846B

Note: Only these parts mentioned in the list are normal service parts.