

GENERAL INFORMATION

Manual 1962 Covering the FR963DHT (FR963/17), FR965DHT (FR965/17), MX955DHT (MX955D/37), MX960DHT (MX960D/37), and MX970DHT (MX970D/37) Digital A/V Surround Receivers

Display Product View

SYSTEM INFORMATION

Receiver	Front speaker	Center Box	Surround Box	Subwoofer
MX 960D/37 includes :				
FR965/17	2 x Home Cinema Speaker 60W	Home Cinema Center Speaker 50W	2 x Home Cinema Speaker 60W	FB201V/17
MX 955D/37 includes :				
FR965/17	2 x Home Cinema Speaker 60W	Home Cinema Center Speaker 50W	2 x Home Cinema Speaker 60W	SW090/17 3139 118 78670
MX 970D/37 includes :				
FR963/17	MX970FS/17 9965 000 11850	MX970CS/17 9965 000 11852	MX970RS/17 9965 000 11854	FB201V/17

Location Of Printed Circuit Boards

Display Circuit Board Location Guide

Specifications

Display System Specifications

Service Tools

Audio Signals Test Disc 1.....4822 397 30184

AVAILABLE ESD PROTECTION EQUIPMENT :

Anti-static table mat large 1200x650x1.25mm	4822 466 10953
Small 600x650x1.25mm	4822 466 10958
Anti-static wristband	4822 395 10223
Connection box (3 press stud connections, 1M)	4822 320 11307

Extendible cable (2m, 2M , to connect wristband to connection box)	4822 320 11305
Connecting cable (3m, 2M , to connect table mat to connection box)	4822 320 11306
Earth cable (1M , to connect any product to mat or to connection box)	4822 320 11308
KIT ESD3 (combining all 6 prior products - small table mat)	4822 310 10671
Wristband tester	4822 344 13999

Measurement Setups

Display Tuner FM Setup

Display Tuner AM Setup

Safety/ESD Warning Notices:

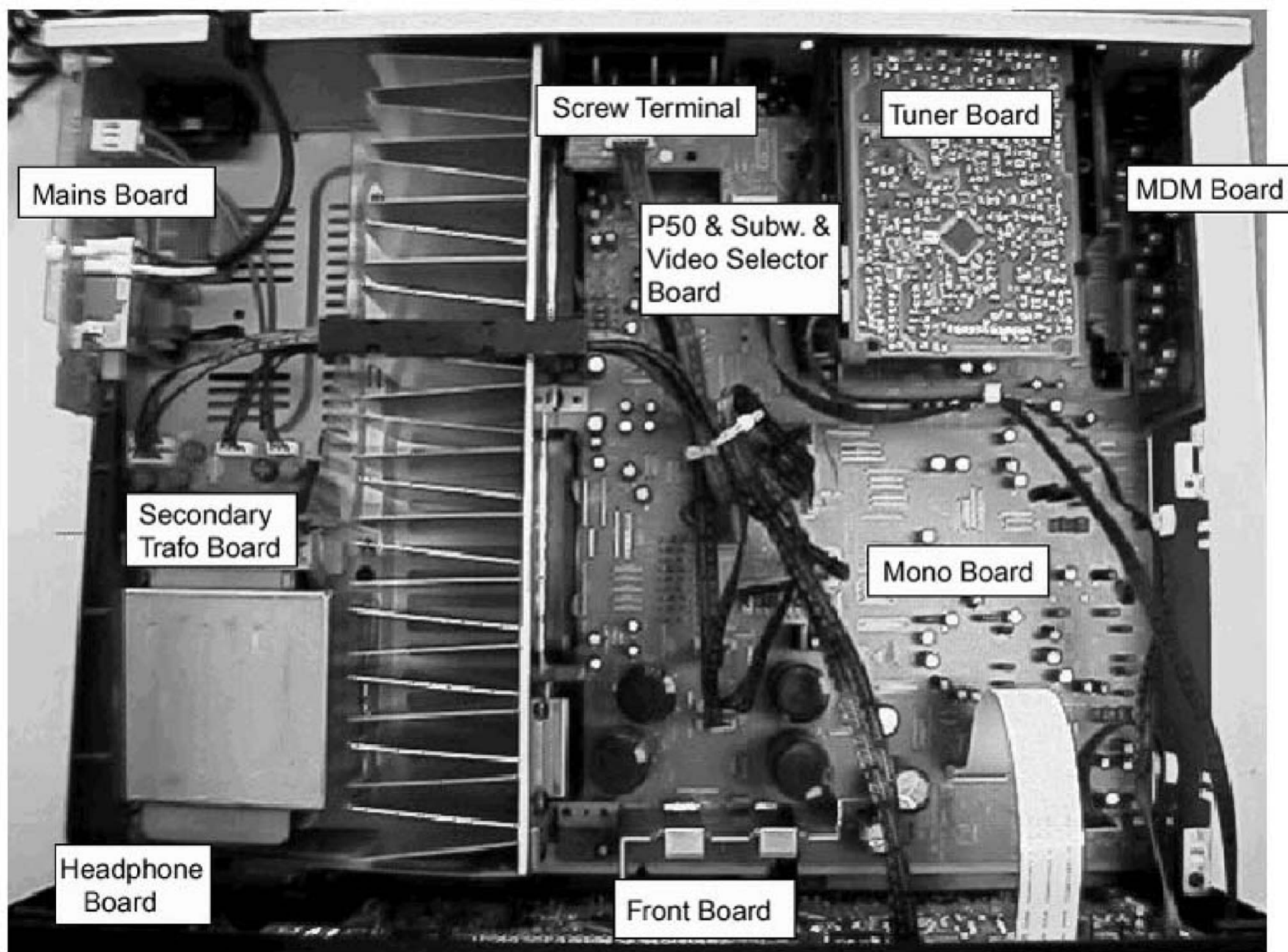
Display Safety/ESD Warning Notices

Handling Chip Type (SMD) Components

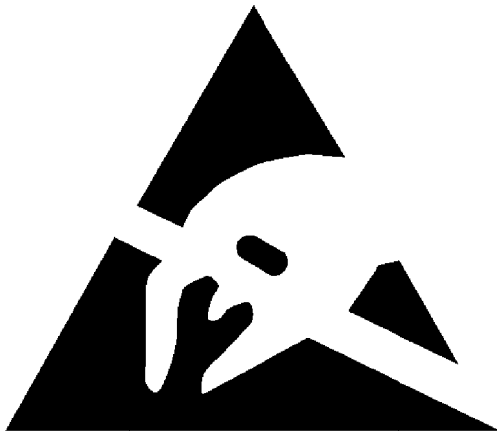
Display Chip Handling Guide

Abbreviations

Display Abbreviation List



ESD



WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wristband with resistance. Keep components and tools at this potential.

SAFETY



Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

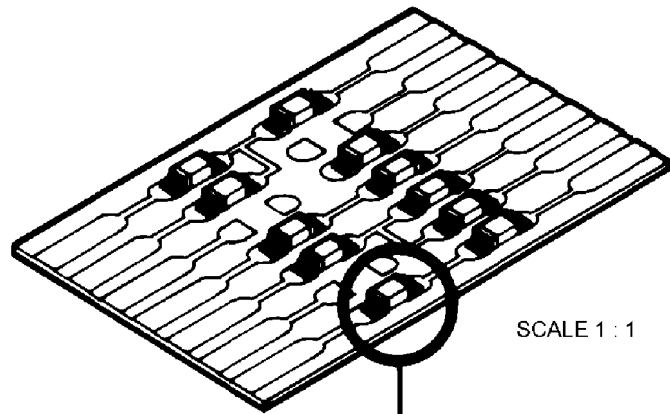
Safety components are marked by the symbol 

**CLASS 1
LASER PRODUCT**

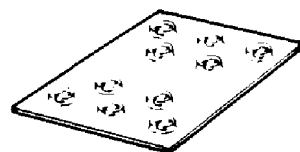
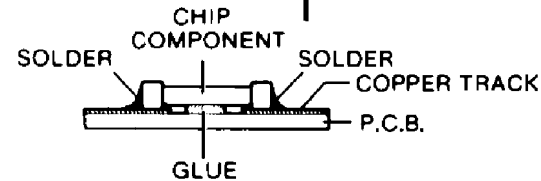
**DANGER: Invisible laser radiation when open.
AVOID DIRECT EXPOSURE TO BEAM.**

HANDLING CHIP COMPONENTS

GENERAL

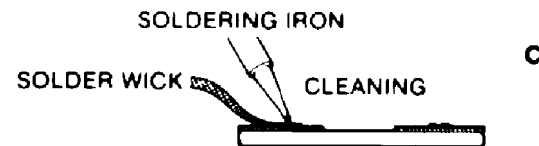
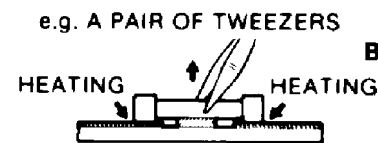
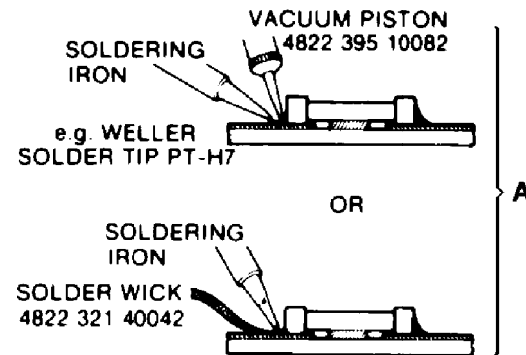


SCALE 1:1

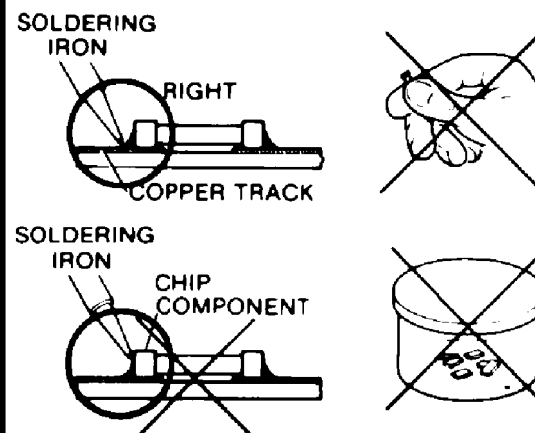


SERVICE PACKAGE

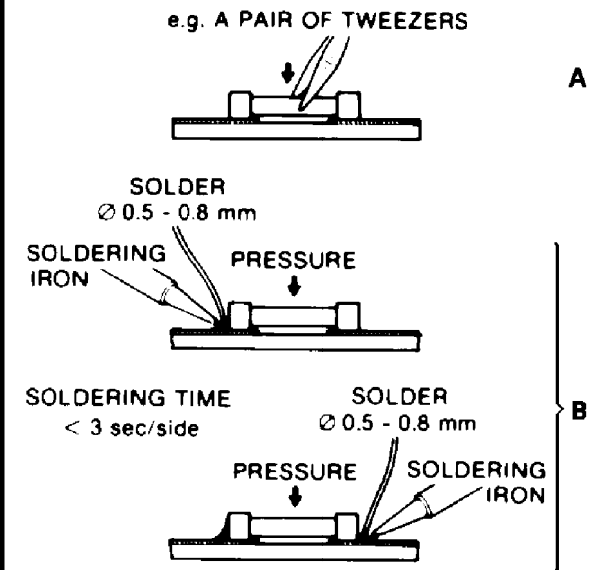
DISMOUNTING



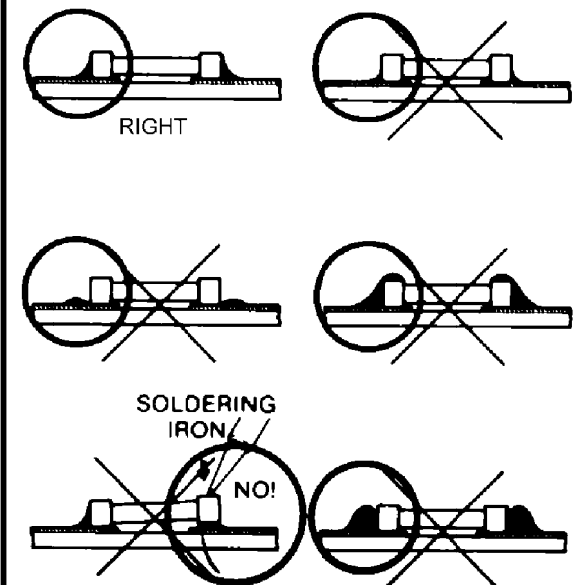
PRECAUTIONS



MOUNTING

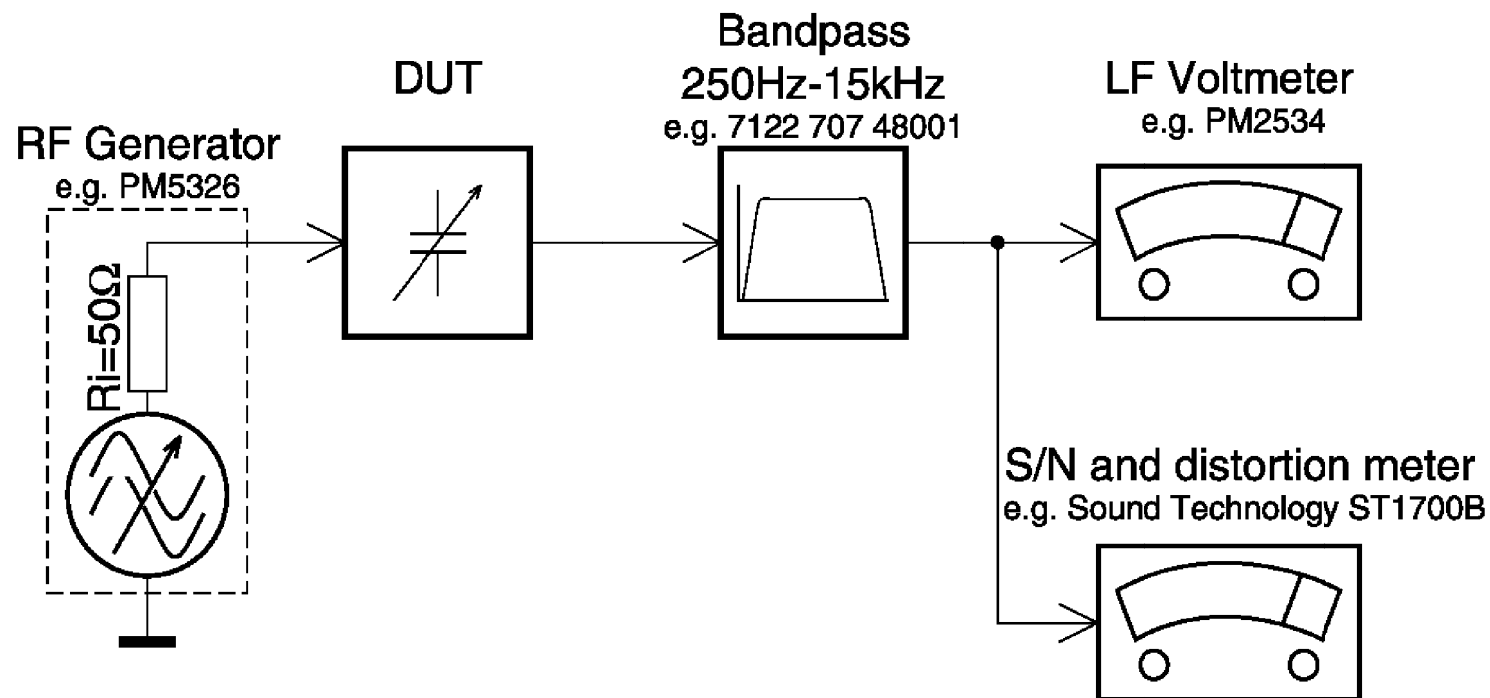


EXAMPLES



MEASUREMENT SETUP

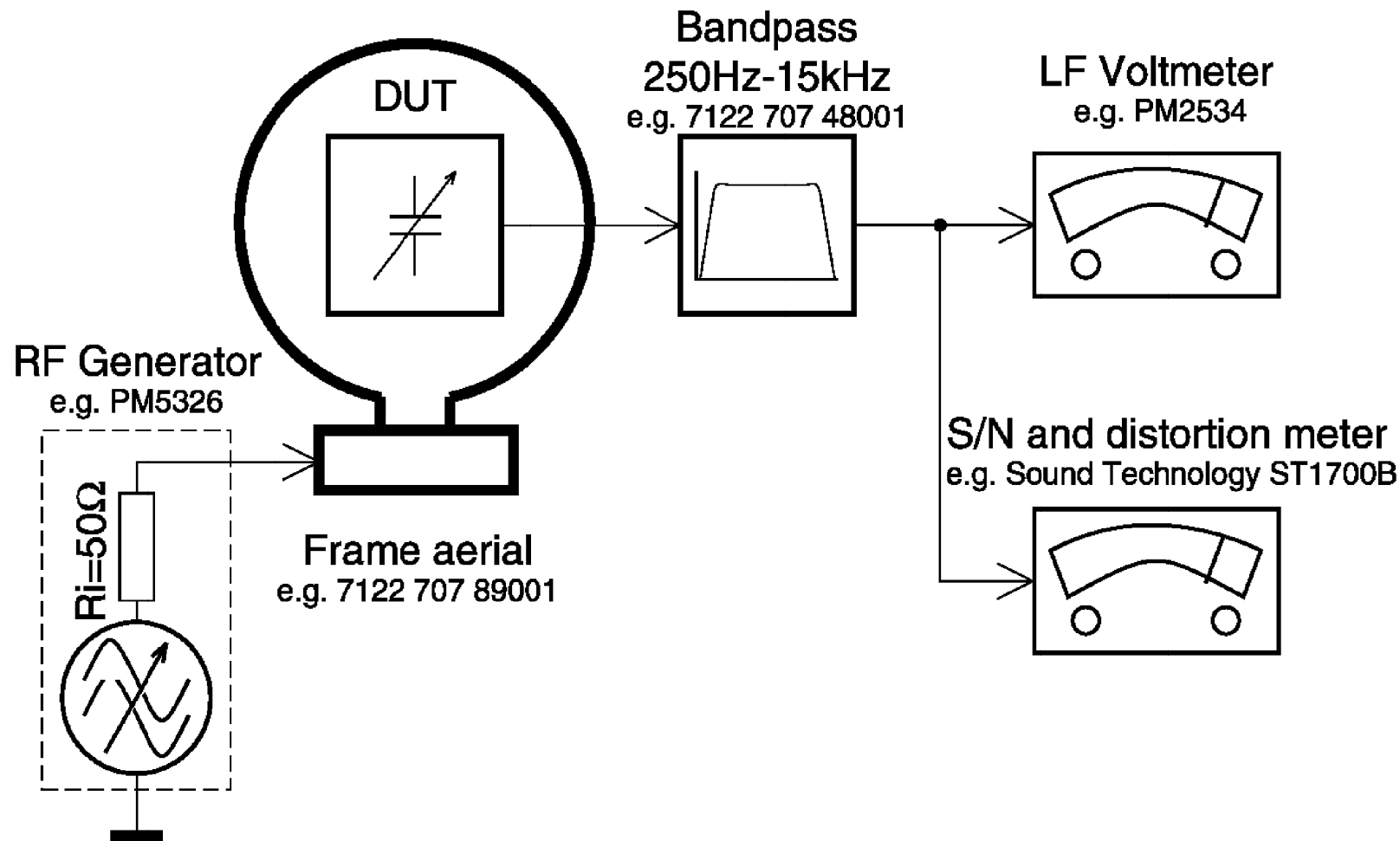
Tuner FM



Use a bandpass filter to eliminate hum (50Hz, 100Hz) and disturbance from the pilot tone (19kHz, 38kHz).

MEASUREMENT SETUP

Tuner AM (MW,LW)



To avoid atmospheric interference all AM-measurements have to be carried out in a Faraday's cage. Use a bandpass filter (or at least a high pass filter with 250Hz) to eliminate hum (50Hz, 100Hz).

SPECIFICATION FR965 /17

General

Mains voltage	: 120V
Mains frequency	: 60Hz
Power consumption	: ≤ 2W at stby
Dimension. wxhxd	: 435x138x350 mm
Remote control	: Multibrand/Universal

Amplifier

Output power	
Stereo mode (L+R)	: 2x50W FTC (40Hz-20kHz, 0,7%THD, 6Ω)
Surround mode	
L + R	: 2x60W (1kHz, 0,7%THD, 6Ω)
Center	: 60W (1kHz, 0,7%THD, 6Ω)
Surround Left+Right	: 2x60W (1kHz, 0,7%THD, 6Ω)
Distortion (5W)	
1kHz	: ≤ 0,05%
40Hz - 20kHz	: ≤ 0,2%
Headphone	: 6,3mm stereo jack with switch
Output level	: 3V EMF, 60Ω
Crosstalk between source (1W)	—1kHz : ≤ -65dB 250Hz – 10kHz : ≤ -60dB
Crosstalk between channels (1W)	-1kHz : ≤ -55dB 250Hz – 10kHz : ≤ -50dB
Frequency response	: ≤ 10Hz – ≥ 30kHz (-1dB)
Power stage protection	: Shortcircuit : DC (Vout ≥ 10V) for ±1sec
Temperature	: Transformer (≥ 140° Celcius) : Heatsink (≥ 140° Celcius)

Audio Selector

Analog Input sensitivity	
Phono	: 5mV impedance 47kΩ/220pf
CD	: 250mV impedance ≥ 47kΩ
CDR/TAPE	: 250mV impedance ≥ 47kΩ
VCR	: 250mV impedance ≥ 47kΩ
TV	: 250mV impedance ≥ 47kΩ
SAT	: 250mV impedance ≥ 47kΩ
6 CH/DVD	: 250mV impedance ≥ 47kΩ
Output level	
CDR/TAPE	: 250mV impedance ≤ 1kΩ
VCR	: 250mV impedance ≤ 1kΩ
Output level (variable)	
Subwoofer pre-out	: 800mV impedance ≤ 1kΩ
Center pre-out	: 800mV impedance ≤ 1kΩ

Digital Selector

Input	: 2 x cinch : 1 x optical
Output	: 1 x cinch

Video Selector - CVBS

Input sensitivity	
DVD/VCR/TV	: 1 Vpp impedance 75Ω
Output level	
Monitor/VCR	: 1 Vpp impedance 75Ω
Frequency response	: ≤ 50Hz → ≥ 6MHz

Tone controle

Loudness	
(volume ≤ -30dB Ref: 1kHz=0dB)	: 100Hz +6 dB : 10kHz +2,5 dB
Tone control (Ref: 1kHz=0dB)	
	: Bass 100Hz -9dB → +9dB
	: Treble 10kHz -9dB → +9dB

DSC settings		100Hz	1kHz	10kHz
Personal	dB	0	0	0
Movie	dB	+ 4	+2	+4
Speech	dB	- 4	+1	- 2
Music	dB	+ 4	- 1	+2
Multimedia	dB	+ 7	+3	+6

Multi Channel Decoder - MDM98

MPEG5.1 / MPEG 7.1 (7.1 downmix to 5.1)
Dolby Digital (AC-3)
Linear PCM
Automatic audio/data type detection (AC-3,MPEG-2,PCM)
Dolby Pro Logic
MPEG-2 dual mono channel selection I/II
MPEG-2 dual stereo channel selection I/II
3D Surround (422/423) (522/523)
Virtual MPEG Digital (522/523)
Digital Bass Management
Parallel Stereo Downmix
Four Stereo (224)
Volume Control
Noise Generator (test tone)
Surround mode selector
Delay Center and Surround Left , Surround Right

Tuner - (ECO5)

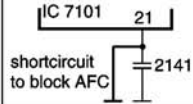
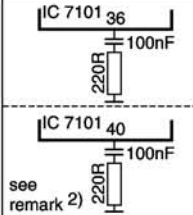
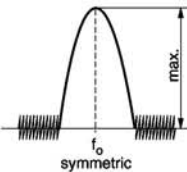
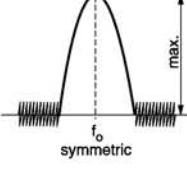
FM	
Tuning range	: 87.5 – 108MHz
Grid	: 100kHz
IF frequency	: 10.7MHz ±25kHz
Aerial input	: 300 Ω clickfit
Sensitivity at 26dB S/N	: ≤ 2μV
Selectivity at 300kHz	: ≥ 55dB
Image rejection	: ≥ 48dB
Distortion at RF=1mV,dev.75kHz	: ≤ 0,9%
-3dB Limiting point	: ≤ 2μV
Crosstalk at RF=1mV,dev.40kHz	: ≥ 27dB

MW	
Tuning range	: 530 - 1700kHz
Grid	: 10kHz
IF frequency	: 450kHz ±1kHz
Aerial input	: Frame aerial
Sensitivity at 26dB S/N	: ≤ 3,5mV/m
Selectivity at 9kHz bandwidth	: ≥ 18dB
IF rejection	: ≥ 64dB
Image rejection	: ≥ 28dB
Distortion at RF=50mV,m=80%	: ≤ 3%

ABBREVIATIONS

A		P	
ac 0VA	AC 0 Voltage	p gnd	P50 ground
ac 10VB	AC 10 Voltage	p p50	Cinema link P50 code
ac 110VB	AC 110 Voltage		
ac 120VB	AC 120 Voltage	S	
ac gnd	AC ground	s gnd	Surround ground
ac h1	AC high voltage 1	sofac scl	Sofac I ² C clock
ac h2	AC high voltage 2	sofac1 sda1	Sofac 1 I ² C data1
ac l1	AC low voltage 1	sofac2 sda2	Sofac 2 I ² C data2
ac l2	AC low voltage 2	ss ce	Source selector chipenable
ac1	AC voltage 1	ss clk	Source selector clock
ac2	AC voltage 2	ss data	Source selector data
ac3	AC voltage 3	surr pre-out	Surround pre-out
amp lr on	Amplifier Left - Right On		
amp mute c s	Amplifier mute center surround	T	
amp mute c s sub	Amplifier mute center surround subwoofer	tu clk	Tuner clock
		tu da	Tuner data
amp mute lr	Amplifier mute Left - Right	tu en	Tuner enable
amp pd	Amplifier power down	tu gnd	Tuner ground
amp prot	Amplifier protection	tu l	Tuner Left
amp s on	Amplifier surround On	tu r	Tuner Right
amp stby	Amplifier Standby	tu rds	Tuner RDS
av gnd	Audio ground	tu stereo	Tuner stereo
av l	Audio Left		
av r	Audio Right	V	
A/V	Audio/Video	v gnd	Video ground
		v scl	Video I ² C clock
F		v sda	Video I ² C data
f1	Filament 1	v sig	Video signal
f2	Filament 2	v sub sur	Video subwoofer surround
fmute	Fast mute		
G			
gnd d	Ground digital		
gnd s	Ground signal		
H			
hp gnd	Headphone ground		
hp l	Headphone Left		
hp on	Headphone On		
hp r	Headphone Right		
hst	Heatsink temperature		
L			
ls c	Loudspeaker Center		
ls gnd	Loudspeaker ground		
ls l	Loudspeaker Left		
ls r	Loudspeaker Right		
M			
mdm	<u>M</u> ulti channel <u>D</u> ecoding <u>M</u> odule		
mdm c out	— Center out		
mdm gnd	— ground		
mdm l dmix	— Downmix Left		
mdm l in	— Left in		
mdm l out	— Left out		
mdm r dmix	— Downmix Right		
mdm r in	— Right in		
mdm r out	— Right out		
mdm req	— request		
mdm rst	— reset		
mdm scl	— I ² C clock		
mdm sda	— I ² C data		
mdm sl out	— surround Left out		
mdm sr out	— surround Right out		
mdm sub out	— subwoofer out		
mfd	Mains failure detection		

TUNER ADJUSTMENT TABLE (ECO5 FM/MW- and FM/MW/LW - versions with AM-frame aerial)

Waverange	Input frequency	Input	Tuned to	Adjust	Output	Scope/Voltmeter
VARICAP ALIGNMENT						
FM 87.5 - 108MHz (65.81 - 74, 87.5 - 108MHz)			108MHz	5130		8V ±0.2V
			87.5MHz (65.81MHz)	check		4.3V ±0.5V (1.2V ±0.5V)
MW FM/AM-version, 10kHz grid 530 - 1700kHz			1700kHz	5123		8V ±0.2V
			530kHz	check		1.1V ±0.4V
FM/MW-version, 9kHz grid 531 - 1602kHz			1602kHz	5123		6.9V ±0.2V
			531kHz	check		1.1V ±0.4V
LW 153 - 279kHz			279kHz	5122		8V ±0.2V
			153kHz	check		1.1V ±0.4V
MW FM/MW/LW- version, 9kHz grid 531 - 1602kHz			1602kHz	5123		8V ±0.2V
			531kHz	check		1.1V ±0.4V
FM IF						
FM	10.7MHz, 50mV continuous wave			5119		0 ± 3 mV DC
FM RF						
FM 87.5 - 108MHz (65.81 - 74, 87.5 - 108MHz)	108MHz	 mod=1kHz Δf=±22.5kHz	108MHz	2155		MAX
	87.5MHz (65.81MHz)		87.5MHz (65.81MHz)	5131		
VCO						
FM	98MHz, 1mV continuous wave		98MHz	3142		152kHz ±1kHz ¹⁾
AM IF						
MW	450kHz connect pin 6 of IC 7101 (AM Osc.) with short wire to ground (pin 4)	 Δf=±15kHz V _{RF} = 3mV		5111 5112		
AM AFC MW		 continuous wave V _{RF} = 10mV		5114		
AM RF ³⁾						
MW ⁴⁾ FM/MW/LW- and FM/MW-version (9kHz grid) 531 - 1602kHz	1494kHz	  Δf = ±30kHz V _{RF} as low as possible	1494kHz	2106		
			558kHz	558kHz		
LW	198kHz		198kHz	5103		
MW FM/AM-version, 10kHz grid 530 - 1700kHz	1500kHz		1500kHz	2106		
	560kHz		560kHz	5102		

Use service test program. By selecting the TUNER TEST test frequencies will be stored as preset frequencies automatically.

ECO5, discr. coil, 090797

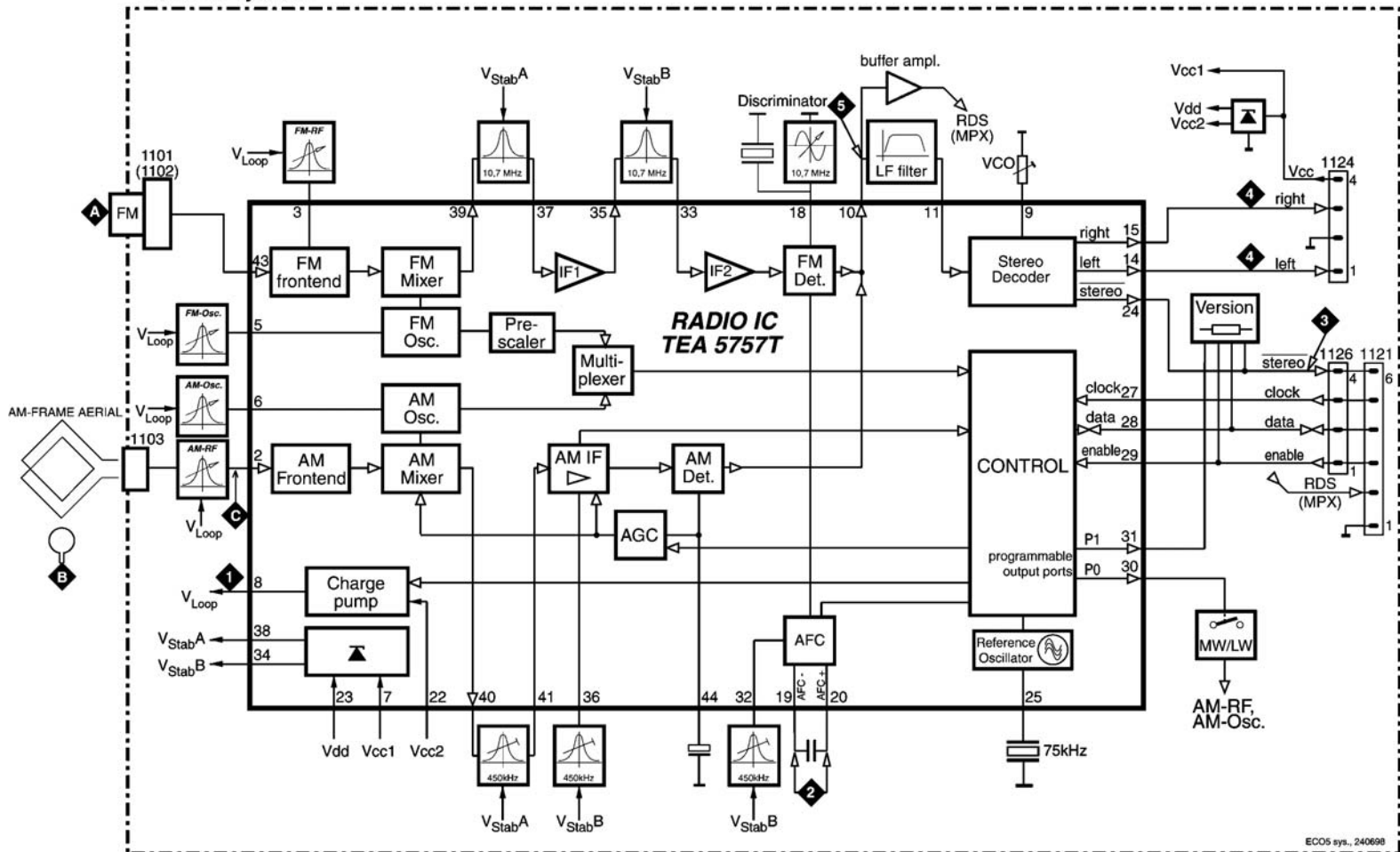
¹⁾ If sensitivity of frequency counter is too low adjust to max. channel separation
(input signal: stereo left 90% + 9%, adjust output on right channel to minimum)

²⁾ RC network serves for damping the IF-filter while adjusting the other one.

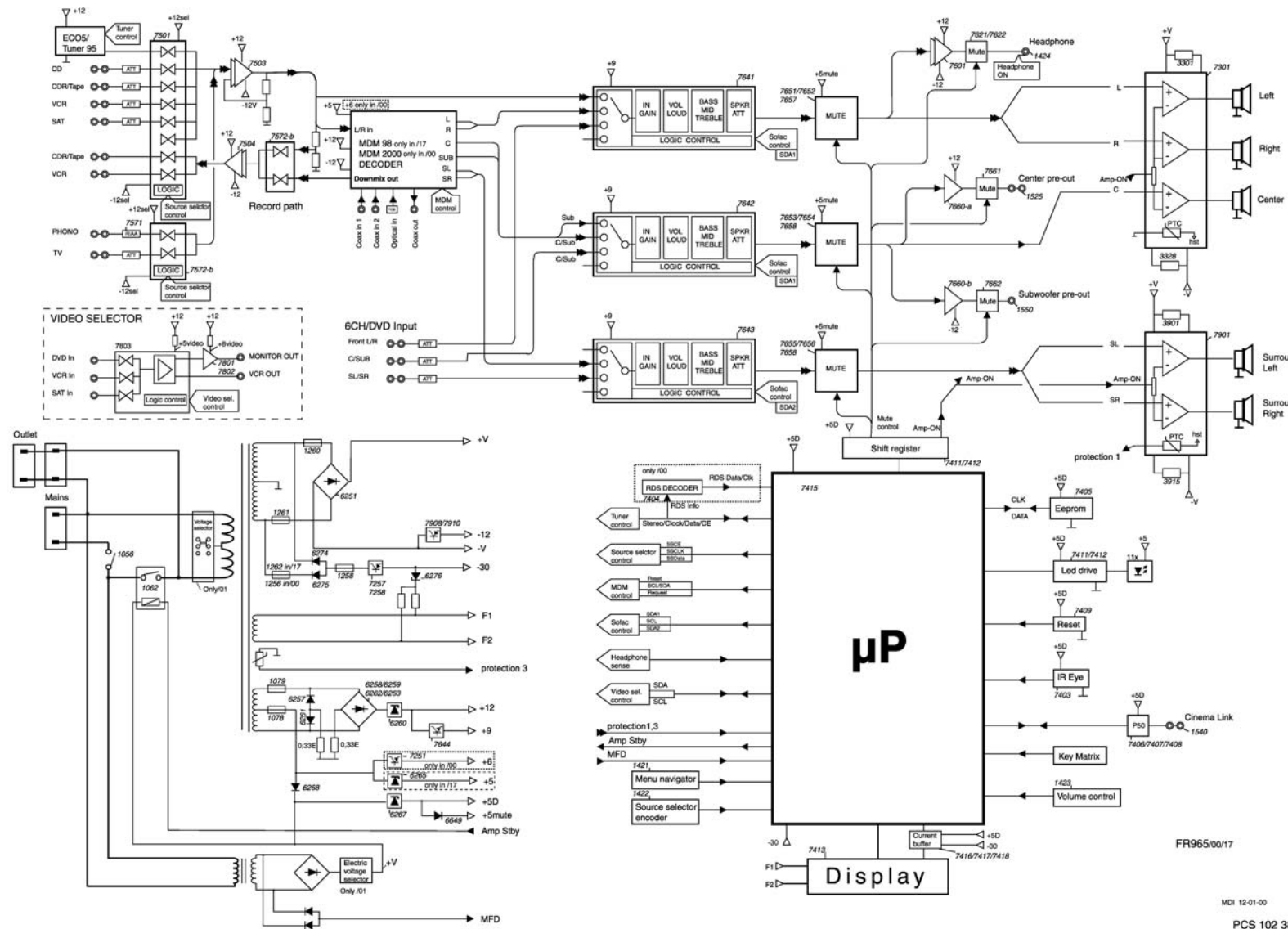
³⁾ For AM RF adjustments the original frame antenna has to be used !

⁴⁾ MW has to be aligned before LW.

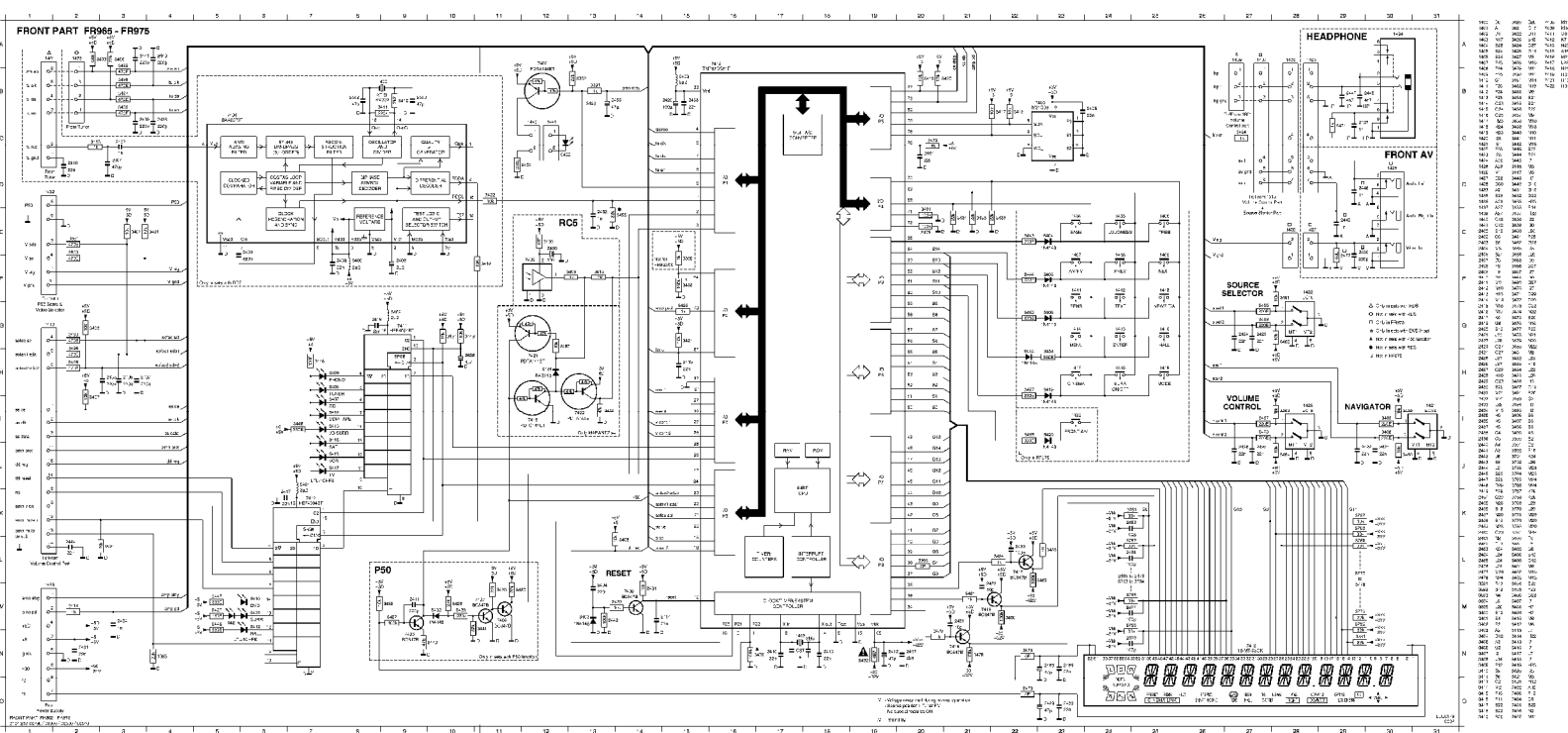
TUNER BOARD **ECO 5 systems**



BLOCKDIAGRAM



[illegible]



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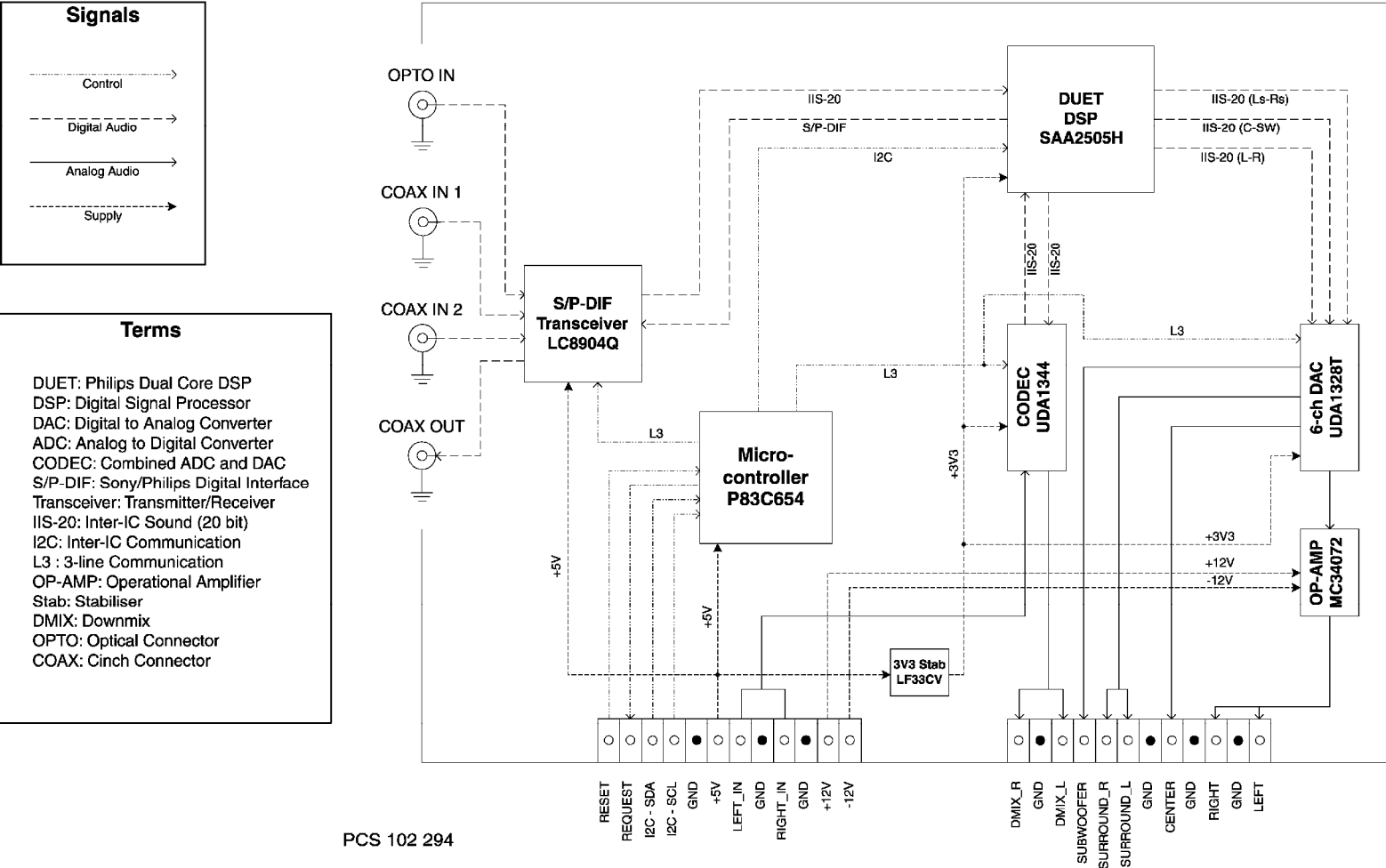
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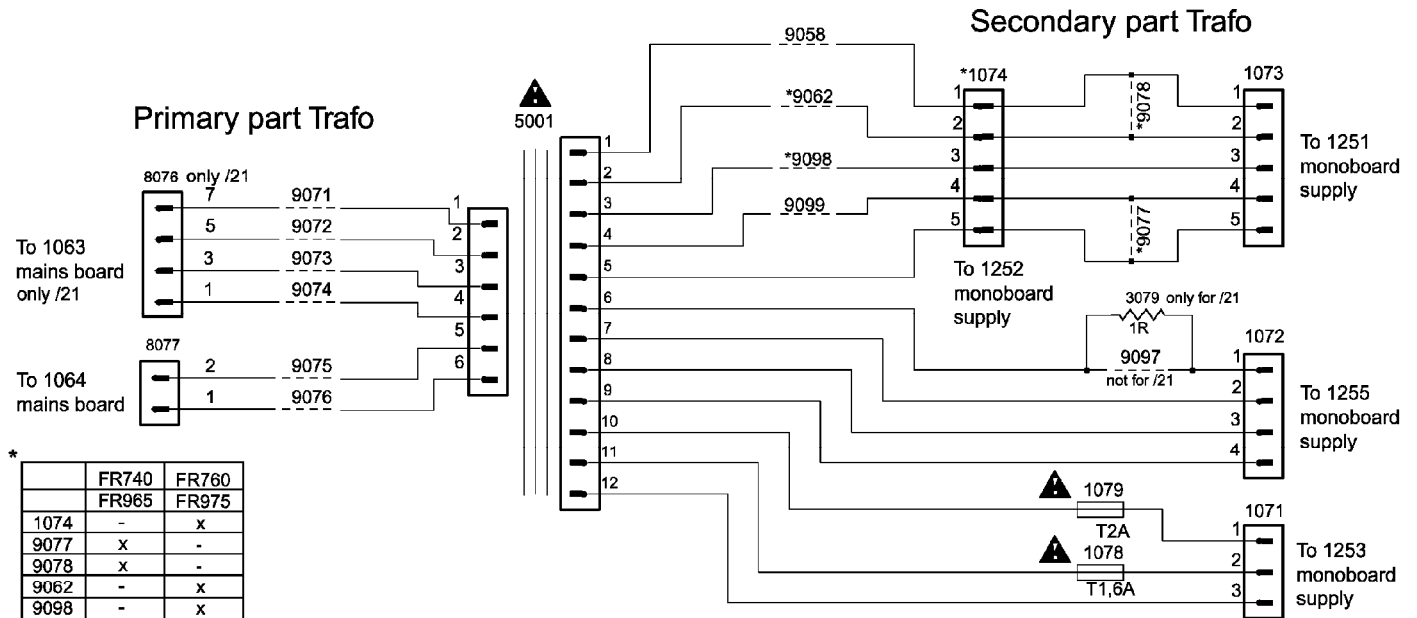
BLOCK-DIAGRAM

Note: No Schematic is provided here as this Circuit Board Assembly is considered to be a "non-repairable / replace only" type assembly. Individual parts are limited, refer to the PCB Overlay.

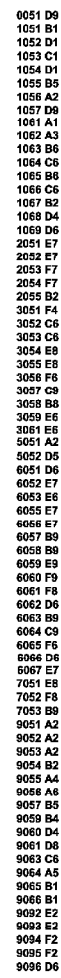
MULTI-CHANNEL DECODING MODULE '98

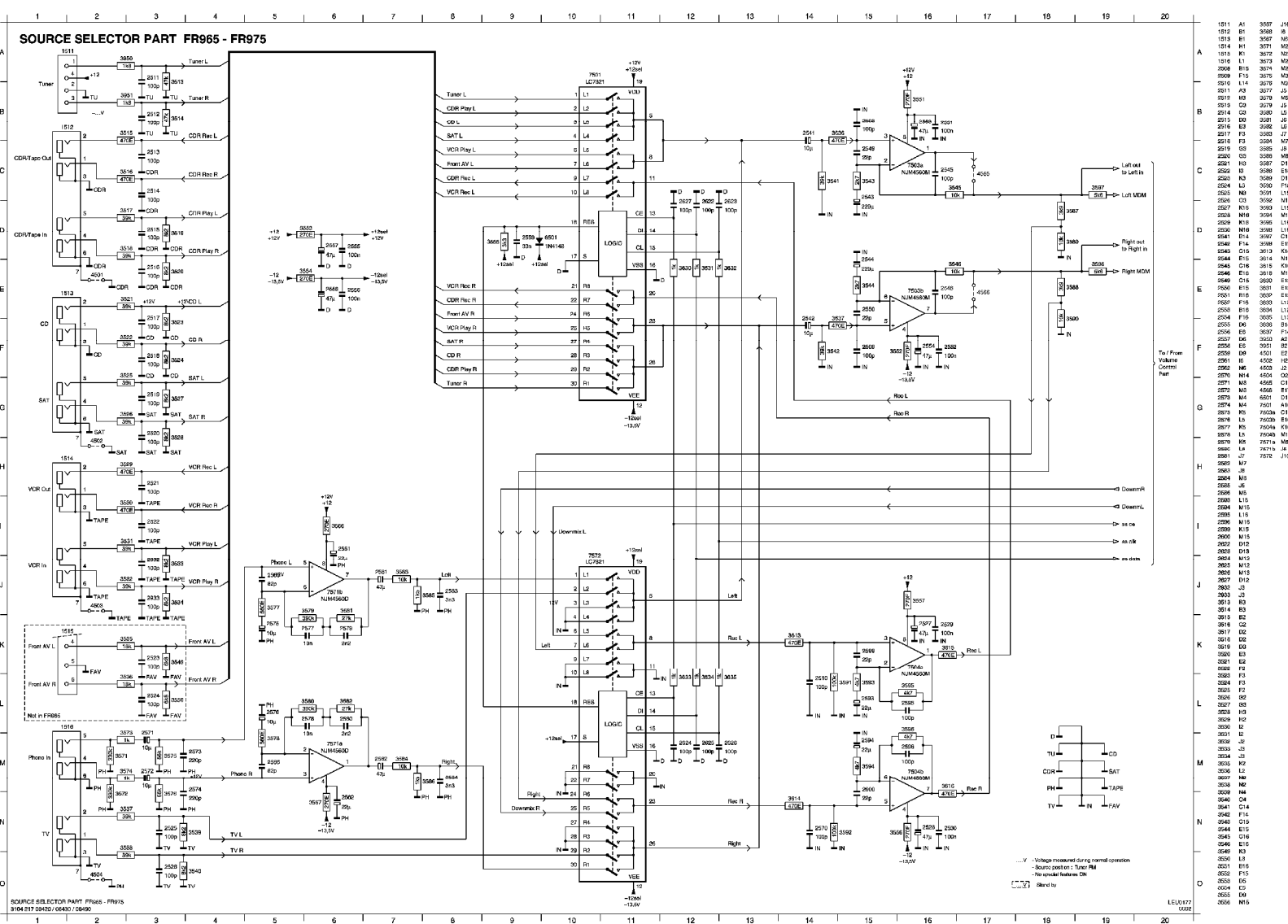


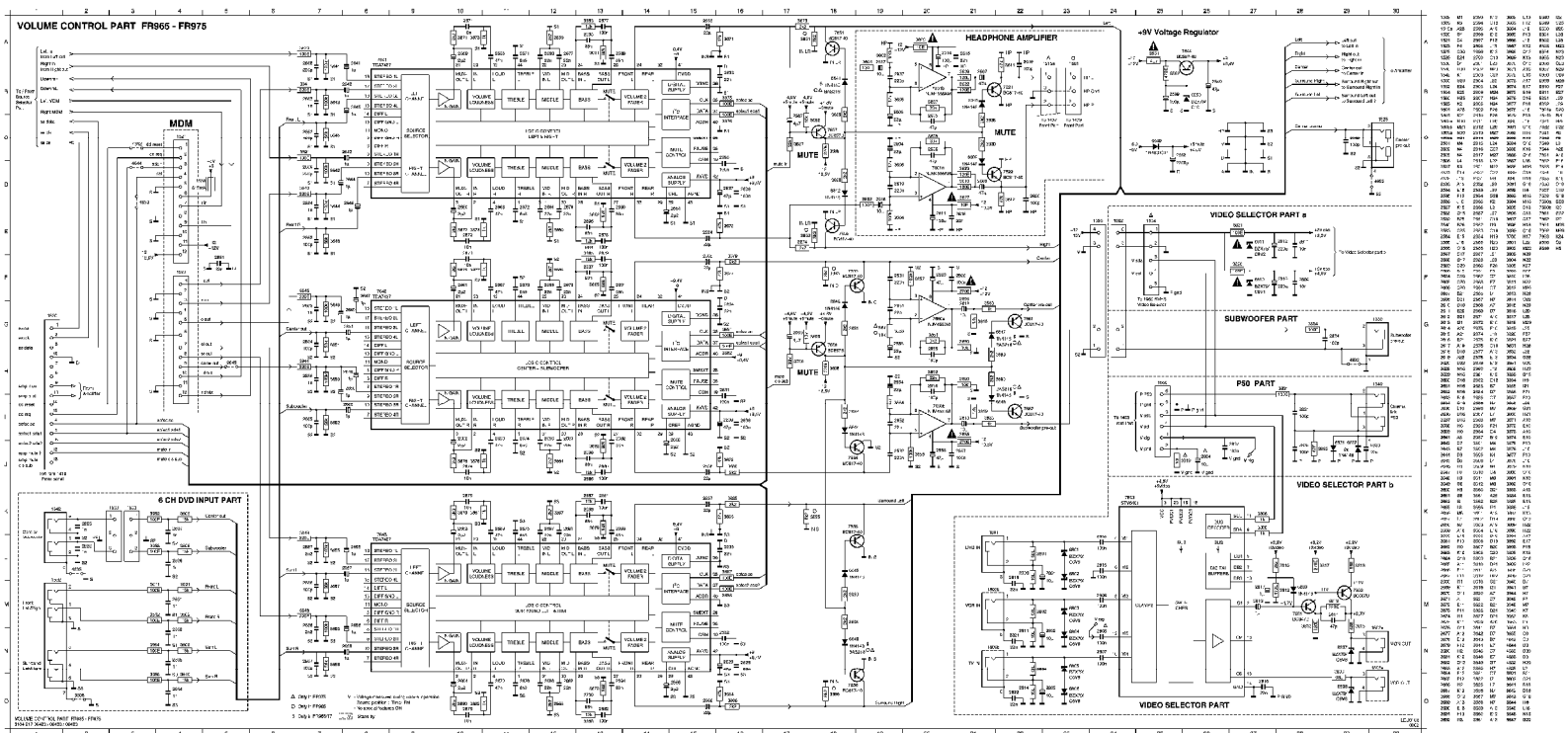
MAINS TRAF0 PART



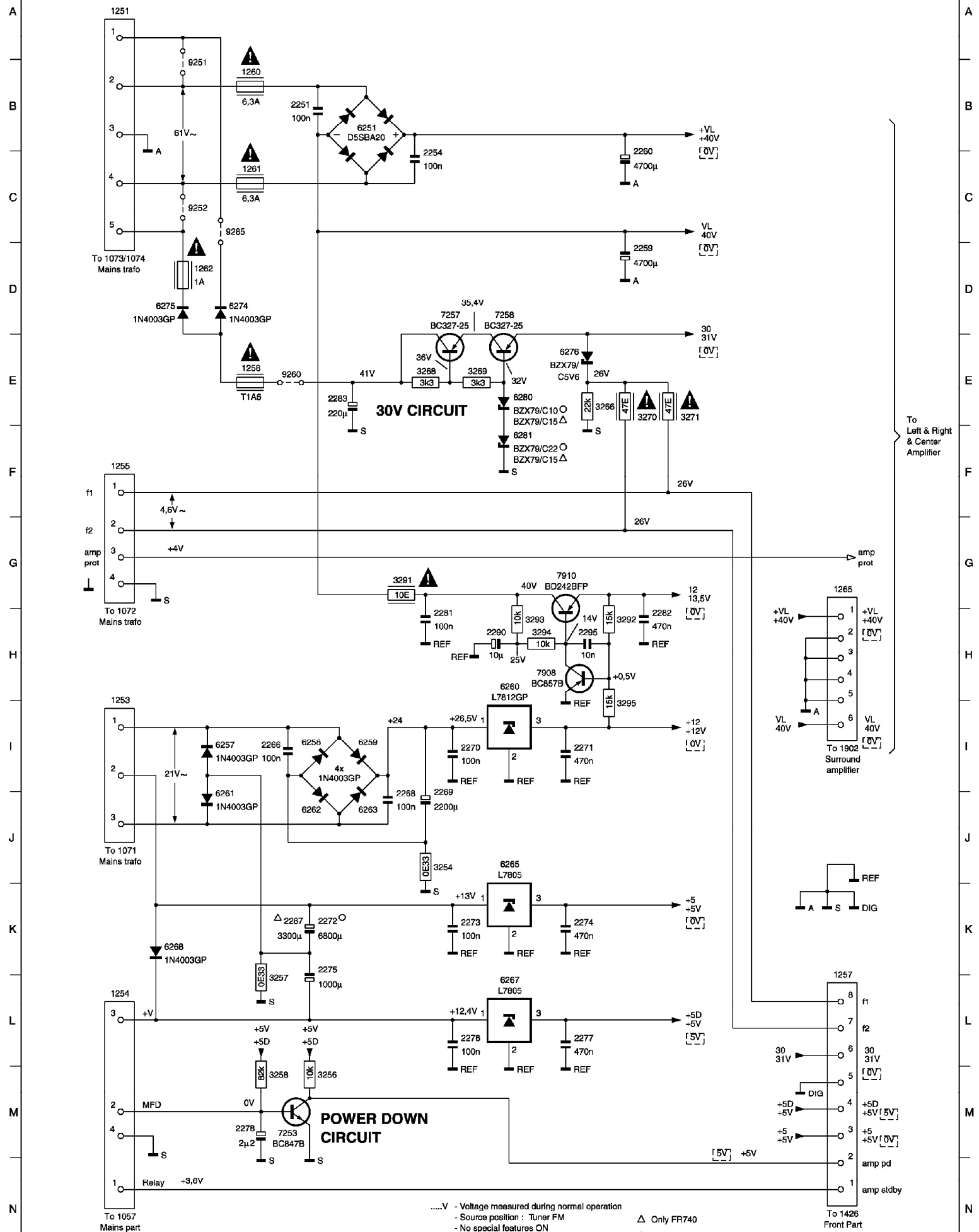
/00 = /22 /01= /21 /17= /37







MONOBOARD SUPPLY FR740 - FR965/17





FRONT UNIT
3104 213 3492.3
8204 090 55823

UL - mark

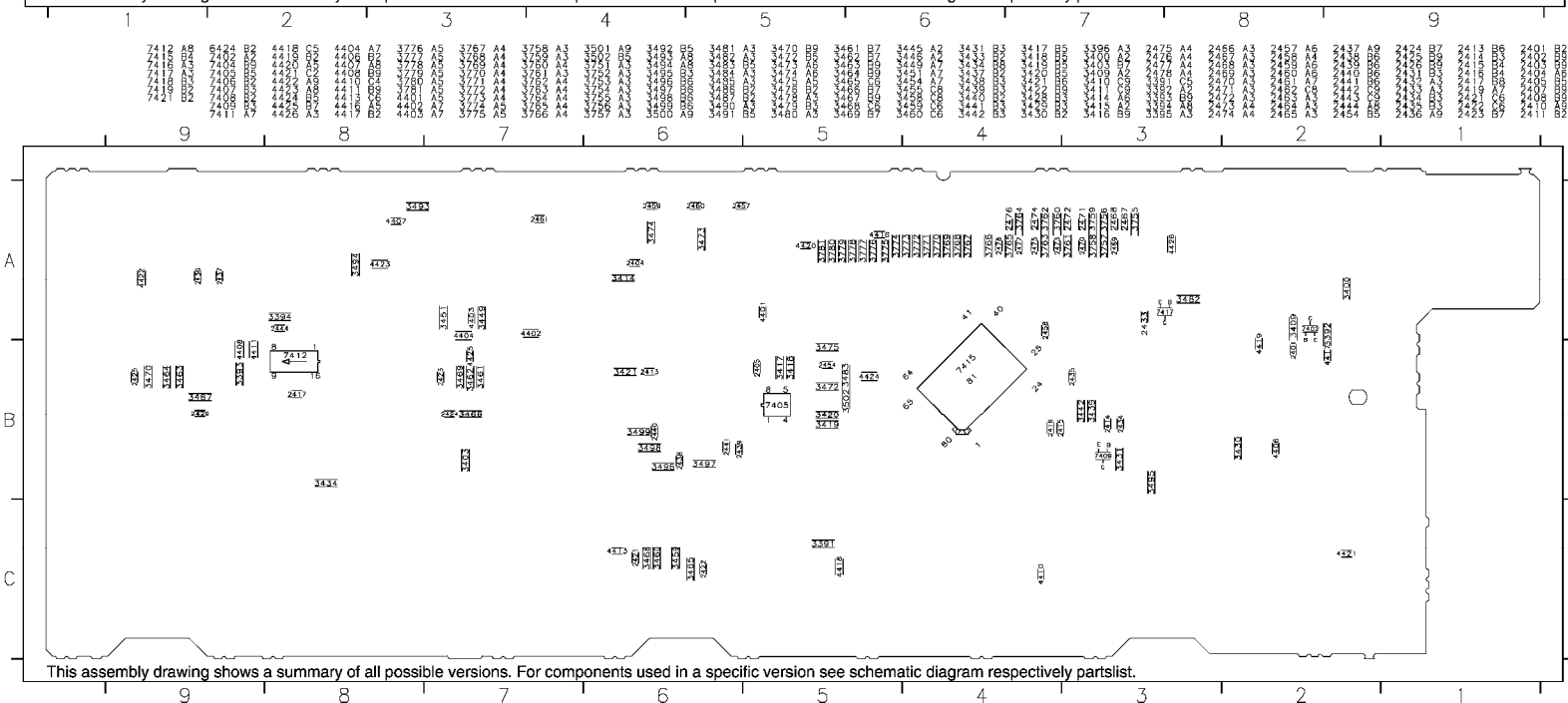
ITC LEUVEN
Interleuvenlaan 76
3001 Leuven
Date: 99-05-19

By: L.Salaets
Layout: L.Hoesendonck

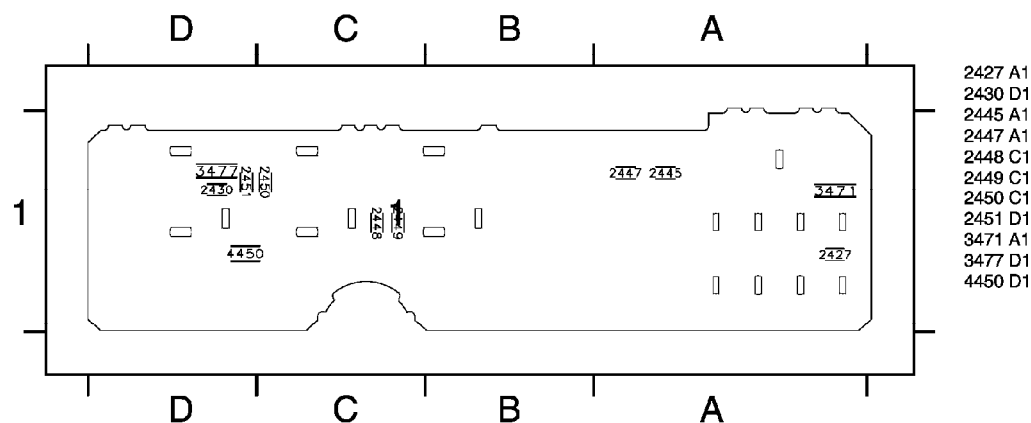
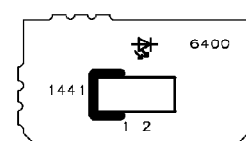
1 140 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500

2 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram respectively partslist.



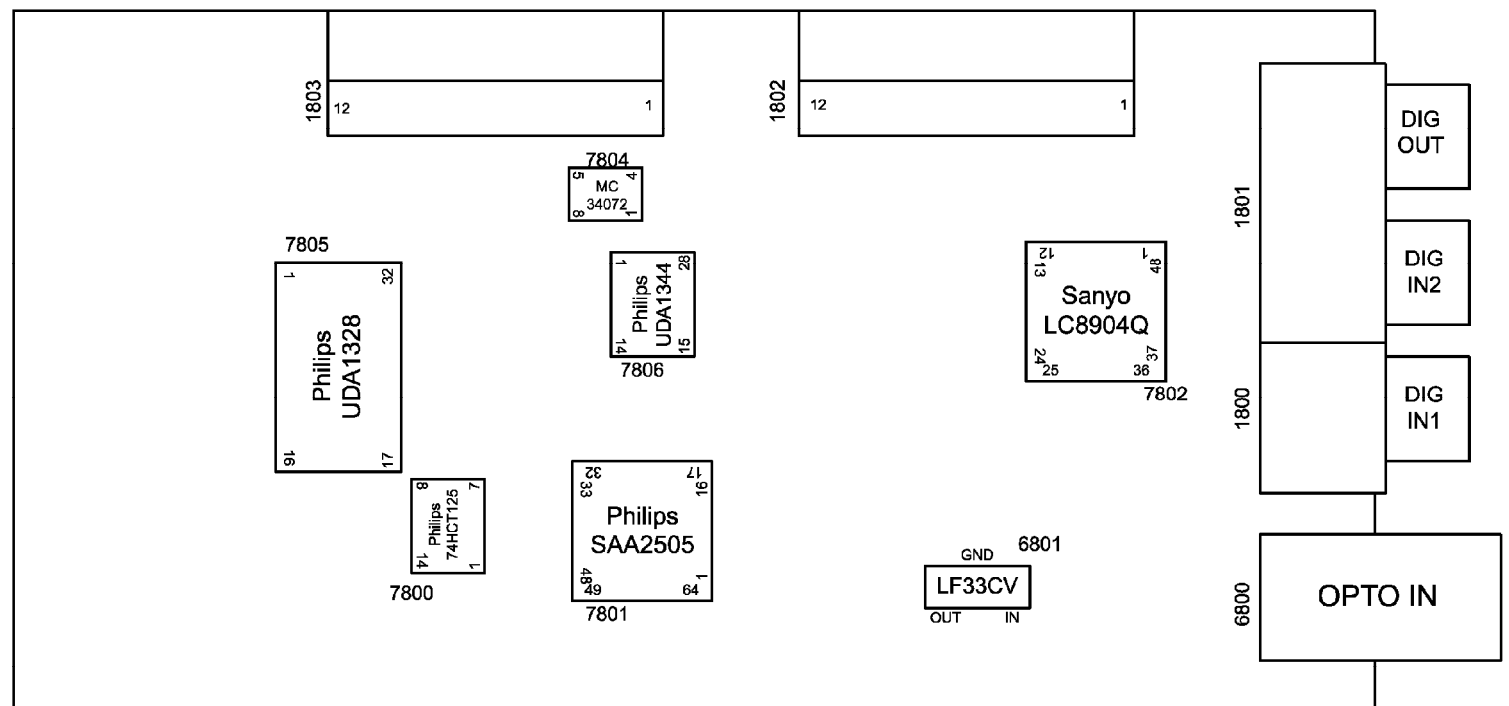
LED BOARD - COMPONENT VIEW



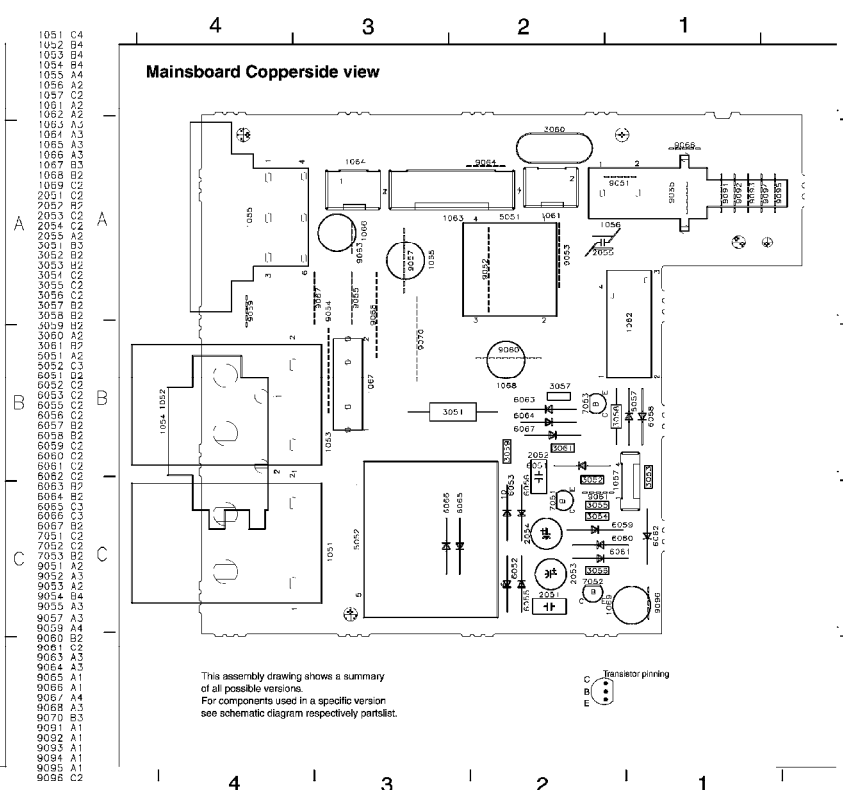
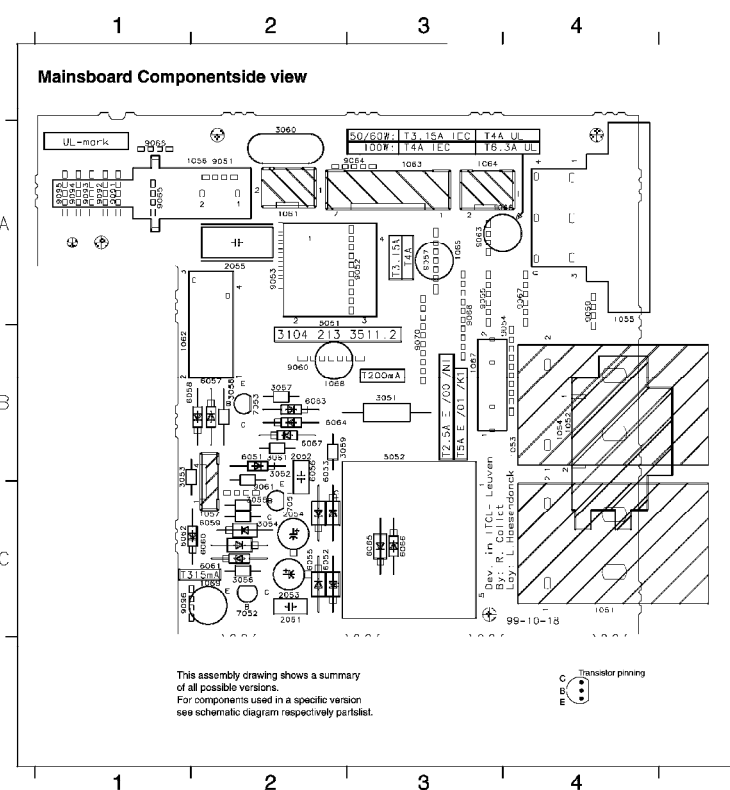
ELECTRICAL PARTSLIST - MDM MODULE

1003	3104 217 05750	MDM Module
1800	4822 267 31729	Connector
1801	4822 267 31448	Connector
6800	4822 218 11487	GP1F32R
6801	4822 209 16978	LF33CV

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

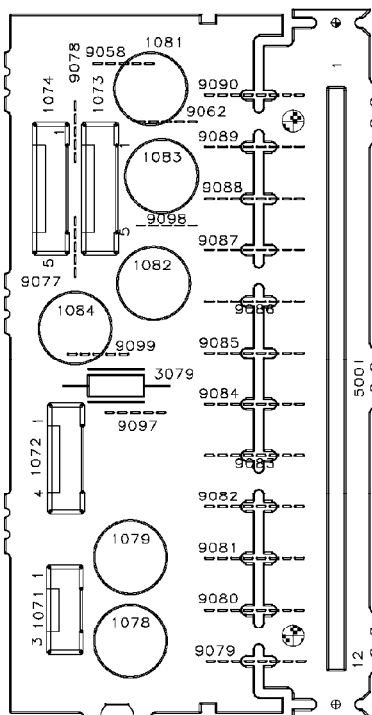


MAINS BOARD - COMPONENTSIDE VIEW & COPPERSIDE VIEW

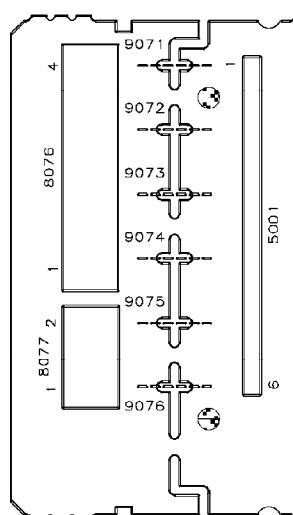


Copperside view

Interconnection Board
Transformer secondary

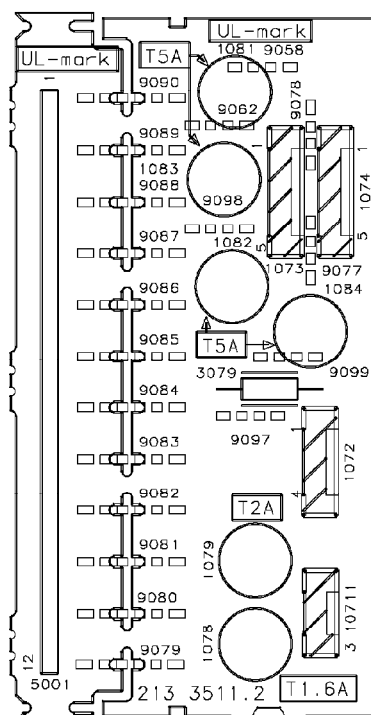


Interconnection Board
Transformer primary

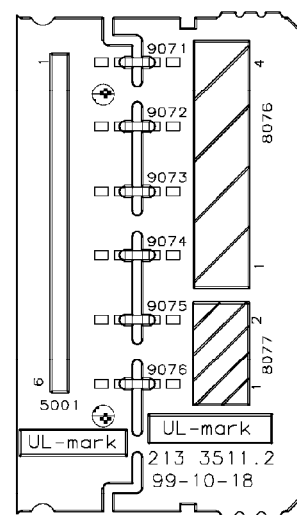


Componentside view

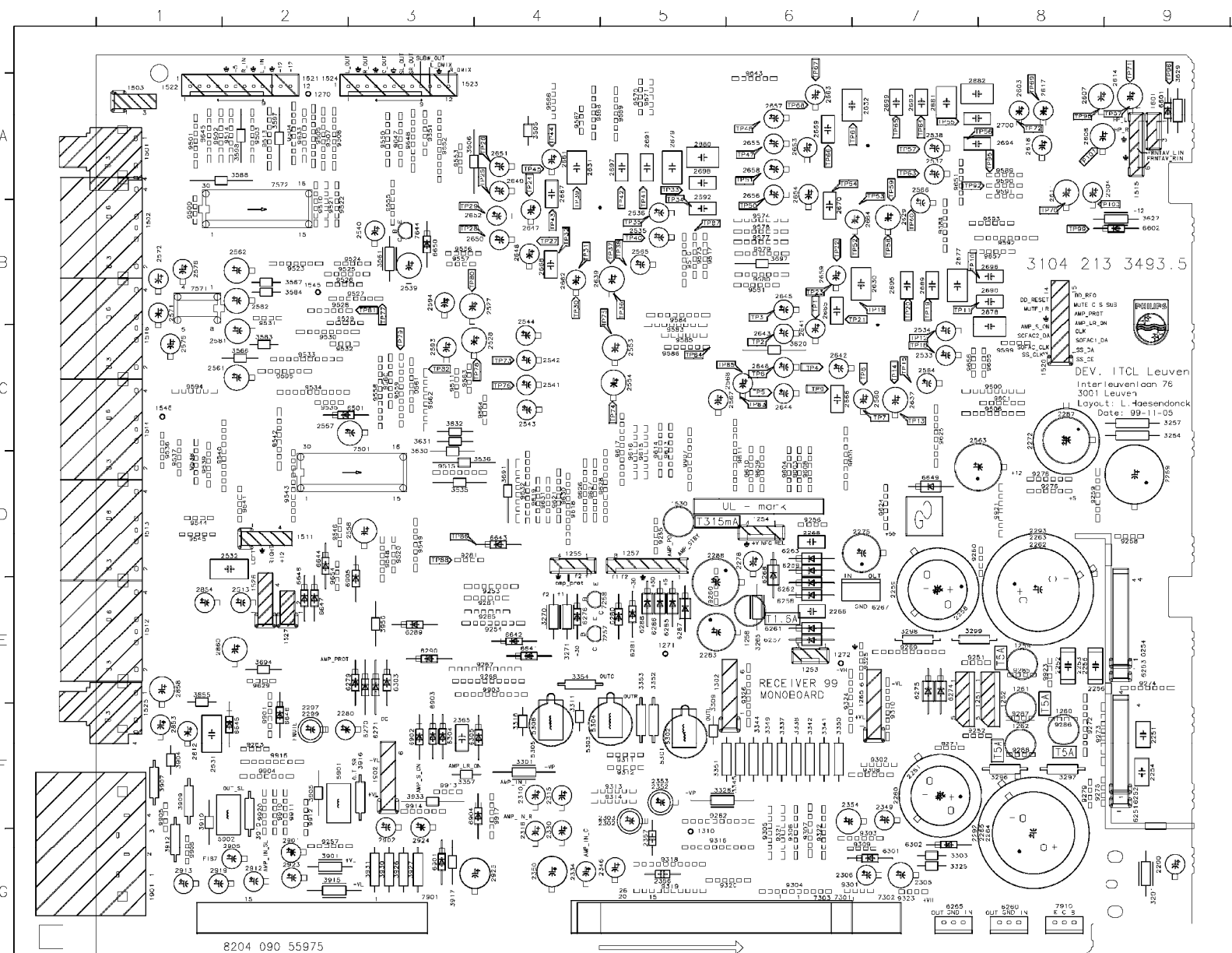
Interconnection Board
Transformer secondary

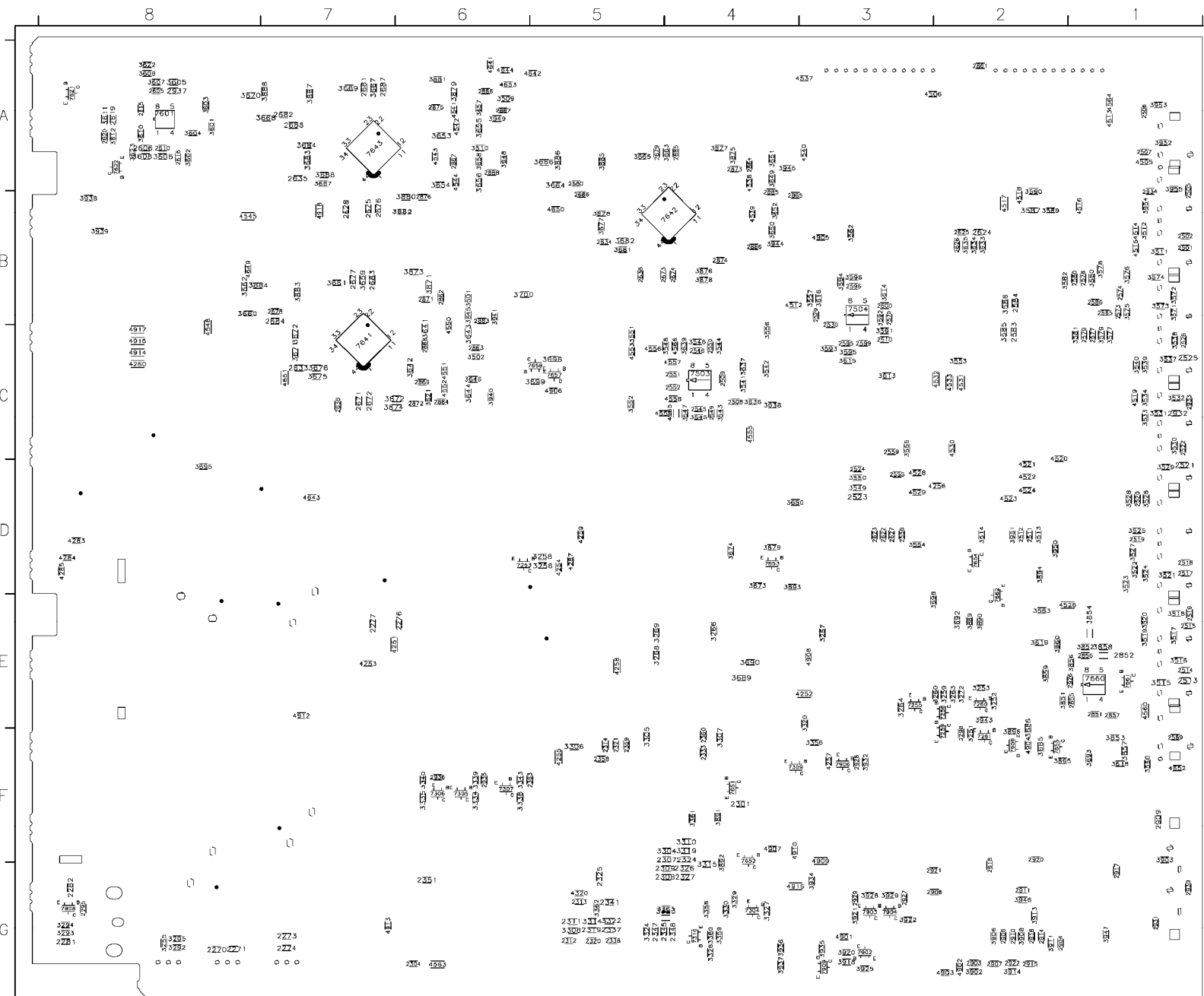


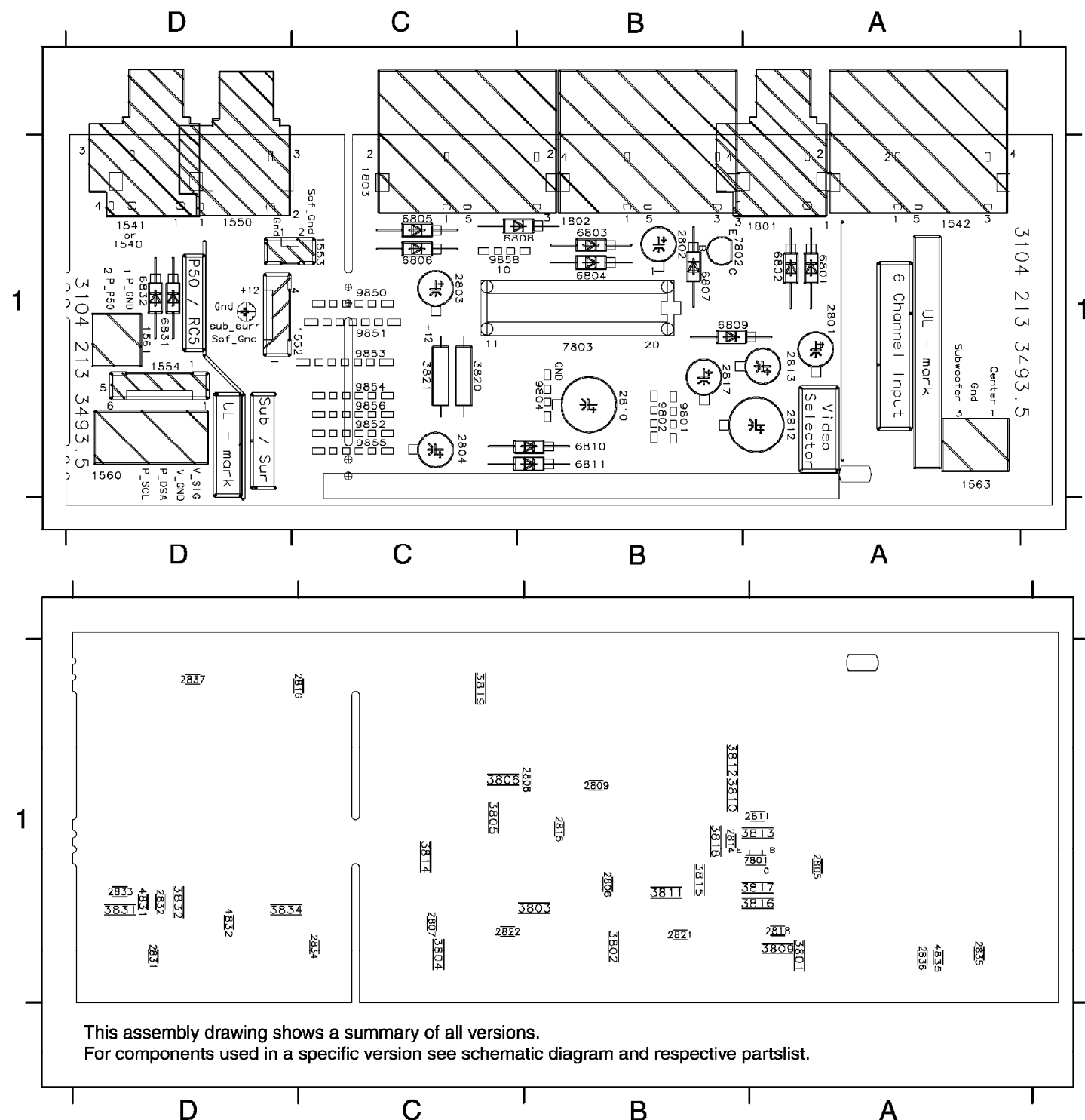
Interconnection Board
Transformer primary



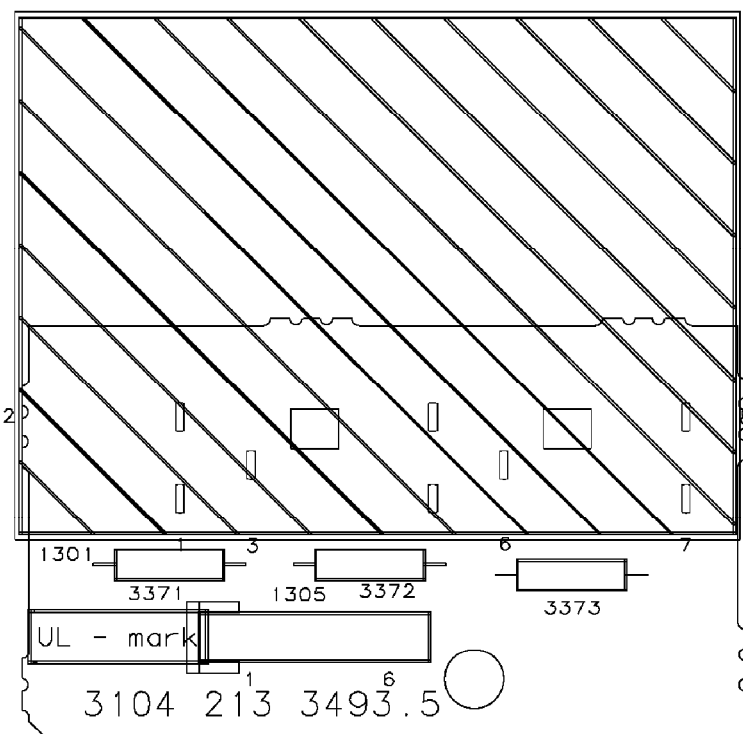
PCS 102 390



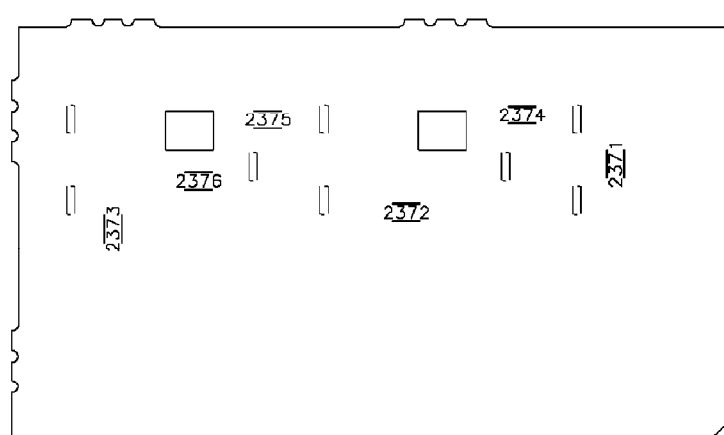


[illegible]

CLICK FIT SPEAKER BOARD COMPONENT VIEW



CLICK FIT SPEAKER BOARD COPPER SIDE VIEW

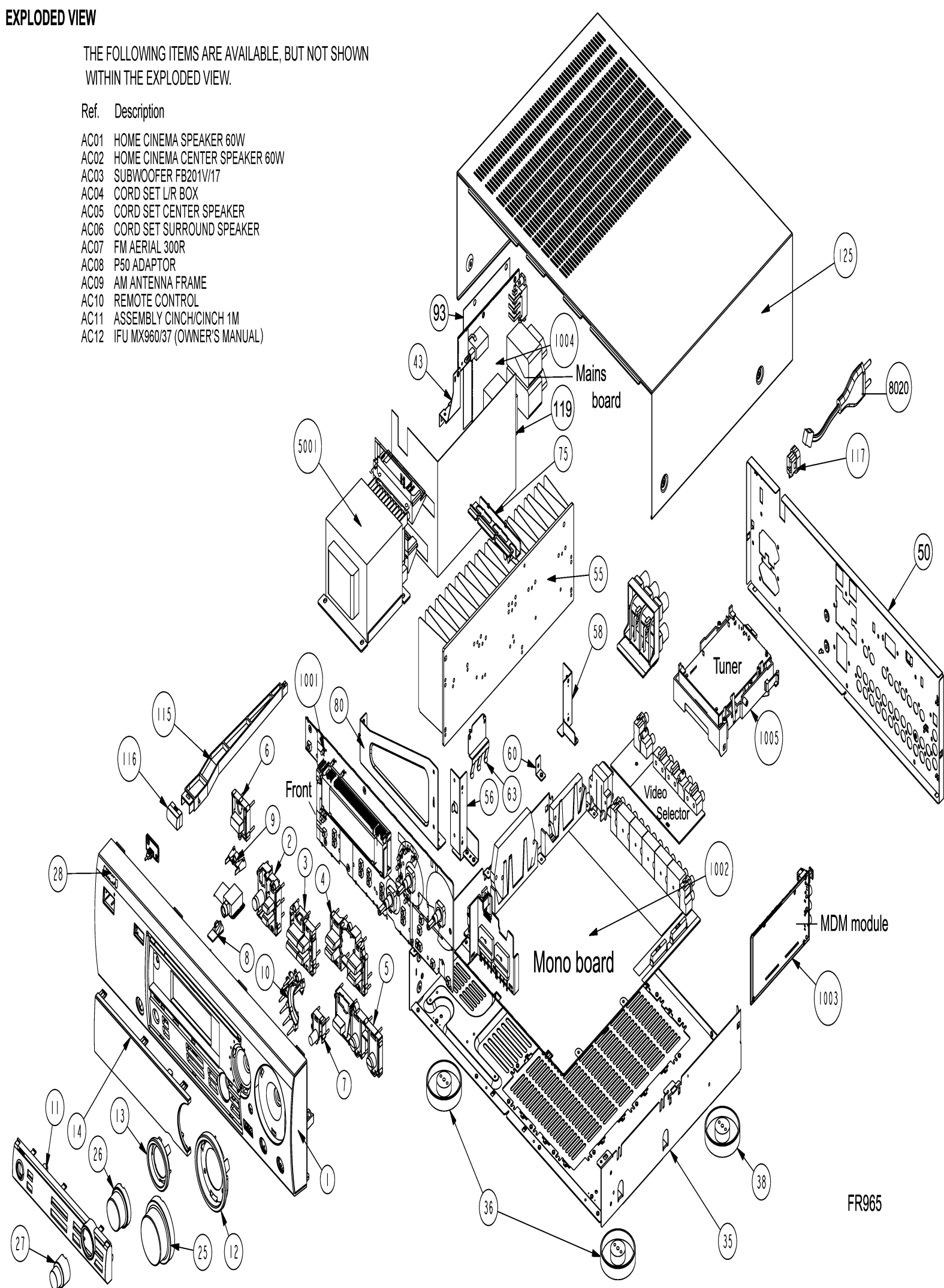


EXPLODED VIEW

THE FOLLOWING ITEMS ARE AVAILABLE, BUT NOT SHOWN
WITHIN THE EXPLODED VIEW.

Ref. Description

- AC01 HOME CINEMA SPEAKER 60W
- AC02 HOME CINEMA CENTER SPEAKER 60W
- AC03 SUBWOOFER FB201V/17
- AC04 CORD SET L/R BOX
- AC05 CORD SET CENTER SPEAKER
- AC06 CORD SET SURROUND SPEAKER
- AC07 FM AERIAL 300R
- AC08 P50 ADAPTOR
- AC09 AM ANTENNA FRAME
- AC10 REMOTE CONTROL
- AC11 ASSEMBLY CINCH/CINCH 1M
- AC12 IFU MX960/37 (OWNER'S MANUAL)



SCALE 0.250

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

Philips Consumer Electronics

Technical Service Data

Service and Quality
Service Publications Dept.
One Philips Drive
P.O. Box 14810
Knoxville, TN 37914

Manual 1962

Model no.: FR965DHT
First Publish: 02-01-2001
Rev. Date: 01-31-2002
Print Date: 30-05-2005

Parts List

REFER TO SAFETY GUIDELINES

SAFETY NOTICE: ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

FRONT DISPLAY BOARD PARTS LIST

FRONT DISPLAY BOARD PARTS LIST

MISCELLANEOUS

1403	Crystal, 8MHz.	4822 242 72066
1404	SWITCH, -PUSH BUTTON.	4822 276 13114
1405	SWITCH, -PUSH BUTTON.	4822 276 13114
1406	SWITCH, -PUSH BUTTON.	4822 276 13114
1407	SWITCH, -PUSH BUTTON.	4822 276 13114
1408	SWITCH, -PUSH BUTTON.	4822 276 13114
1409	SWITCH, -PUSH BUTTON.	4822 276 13114
1410	Connector, 15FE-BT-VK-N.	4822 265 10981
1411	SWITCH, -PUSH BUTTON.	4822 276 13114
1412	SWITCH, -PUSH BUTTON.	4822 276 13114
1413	SWITCH, -PUSH BUTTON.	4822 276 13114
1414	SWITCH, -PUSH BUTTON.	4822 276 13114
1415	SWITCH, -PUSH BUTTON.	4822 276 13114
1416	SWITCH, -PUSH BUTTON.	4822 276 13114
1417	SWITCH, -PUSH BUTTON.	4822 276 13114
1418	SWITCH, -PUSH BUTTON.	4822 276 13114
1419	SWITCH, -PUSH BUTTON.	4822 276 13114
1421	SWITCH, ROTARY	4822 273 10372
1422	SWITCH, ROTARY	4822 273 10372
1423	ROTARY ENCODER 24P	4822 273 10365
1424	1P YKB21-5209.	4822 265 11584
CAPACITORS		
2400	100uF., 20%, 10V	4822 124 41584
2404	1nF., 10%, X7R, 63V.	5322 122 31647
2405	22nF., 10%, X7R, 63V.	5322 122 32654
2411	220pF., 5%, NP0, 63V.	4822 122 33575
2412	47uF., 20%, 50V.	4822 124 41751
2413	22nF., 10%, X7R, 63V.	5322 122 32654
2414	22nF., 10%, X7R, 63V.	5322 122 32654
2415	22pF., 5%, 50V.	5322 122 32658
2416	22pF., 5%, 50V.	5322 122 32658
2417	22nF., 10%, X7R, 63V.	5322 122 32654
2419	22nF., 10%, X7R, 63V.	5322 122 32654
2420	100uF., 20%, 10V	4822 124 23432
2421	22nF., 10%, X7R, 63V.	5322 122 32654
2422	22nF., 10%, X7R, 63V.	5322 122 32654
2423	22nF., 10%, X7R, 63V.	5322 122 32654
2424	22nF., 10%, X7R, 63V.	5322 122 32654
2425	22nF., 10%, X7R, 63V.	5322 122 32654
2426	22nF., 10%, X7R, 63V.	5322 122 32654
2427	1nF., 10%, X7R, 63V.	5322 122 31647
2428	4.7uF., 20%, 100V.	4822 124 40769
2429	47uF., 20%, 50V.	4822 124 41751
2431	100pF., 5%, NP0, 50V.	5322 122 32531
2432	100pF., 5%, NP0, 50V.	5322 122 32531
2433	100pF., 5%, NP0, 50V.	5322 122 32531
2434	220nF., +80/-20%, 25V.	4822 126 14076
2435	220pF., 5%, NP0, 63V.	4822 122 33575
2436	220pF., 5%, NP0, 63V.	4822 122 33575
2437	220pF., 5%, NP0, 63V.	4822 122 33575
2438	220pF., 5%, NP0, 63V.	4822 122 33575
2439	220pF., 5%, NP0, 63V.	4822 122 33575
2440	220pF., 5%, NP0, 63V.	4822 122 33575
2441	220pF., 5%, NP0, 63V.	4822 122 33575
2444	22nF., 10%, X7R, 63V.	5322 122 32654
2445	4.7nF., 10%, X7R, 63V.	5322 126 10223
2447	4.7nF., 10%, X7R, 63V.	5322 126 10223
2454	22nF., 10%, X7R, 63V.	5322 122 32654
2455	47uF., 20%, 50V.	4822 124 41751
2456	47uF., 20%, 25V.	4822 124 40433
2457	22nF., 10%, X7R, 63V.	5322 122 32654
2458	22nF., 10%, X7R, 63V.	5322 122 32654
2459	22nF., 10%, X7R, 63V.	5322 122 32654
2460	22nF., 10%, X7R, 63V.	5322 122 32654
2461	22nF., 10%, X7R, 63V.	5322 122 32654
2462	1nF., 10%, X7R, 63V.	5322 122 31647
2463	100pF., 5%, NP0, 50V.	5322 122 32531
2464	100pF., 5%, NP0, 50V.	5322 122 32531
2465	100pF., 5%, NP0, 50V.	5322 122 32531
2466	100pF., 5%, NP0, 50V.	5322 122 32531
2467	100pF., 5%, NP0, 50V.	5322 122 32531
2468	100pF., 5%, NP0, 50V.	5322 122 32531
2469	100pF., 5%, NP0, 50V.	5322 122 32531
2470	100pF., 5%, NP0, 50V.	5322 122 32531
2471	100pF., 5%, NP0, 50V.	5322 122 32531
2472	100pF., 5%, NP0, 50V.	5322 122 32531
2473	100pF., 5%, NP0, 50V.	5322 122 32531
2474	100pF., 5%, NP0, 50V.	5322 122 32531
2475	100pF., 5%, NP0, 50V.	5322 122 32531
2476	100pF., 5%, NP0, 50V.	5322 122 32531
2477	100pF., 5%, NP0, 50V.	5322 122 32531
2478	100pF., 5%, NP0, 50V.	5322 122 32531
RESISTORS		
3391	1K, 2%, 0.25W.	4822 051 10102
3392	22K, 5%, 0.1W.	4822 051 20223
3393	22K, 5%, 0.1W.	4822 051 20223
3394	22K, 5%, 0.1W.	4822 051 20223
3395	0 Ohm, Jumper, (0805).	4822 051 20008
3400	47R, 5%, 0.1W.	4822 051 20479

3401	10K, 1%, 0.6W.	4822 050 21003
3402	10K, 1%, 0.6W.	4822 050 21003
3403	6K8, 1%, 0.1W.	4822 117 11507
3404	330 Ohm, 5%, 0.5W.	4822 116 52219
3405	22K, 5%, 0.5W.	4822 116 52257
3406	10K, 1%, 0.6W.	4822 050 21003
3407	10K, 1%, 0.6W.	4822 050 21003
3408	10K, 1%, 0.6W.	4822 050 21003
3409	1K, 2%, 0.25W.	4822 051 10102
3414	1K, 2%, 0.25W.	4822 051 10102
3415	0 Ohm, Jumper, (0805).	4822 051 20008
3417	10K, 1%, 0.1W.	4822 117 10833
3418	10K, 1%, 0.1W.	4822 117 10833
3419	10K, 1%, 0.1W.	4822 117 10833
3420	10K, 1%, 0.1W.	4822 117 10833
3421	10K, 1%, 0.1W.	4822 117 10833
3424	1K, 1%, 0.4W.	4822 050 11002
3426	1K, 1%, 0.4W.	4822 050 11002
3427	150 Ohm, 5%, 0.5W.	4822 116 83868
3428	27K, 5%, 0.1W.	4822 051 20273
3429	22K, 5%, 0.1W.	4822 051 20223
3430	22K, 5%, 0.1W.	4822 051 20223
3431	10K, 1%, 0.1W.	4822 117 10833
S 3432	4.7 Ohm, 5%, 0.33W.	4822 052 10478
3433	10K, 1%, 0.1W.	4822 117 10833
3434	22K, 5%, 0.1W.	4822 051 20223
3435	22K, 5%, 0.5W.	4822 116 52257
3436	22K, 5%, 0.5W.	4822 116 52257
3437	100K, 1%, 0.1W.	4822 117 10837
3438	220K 1%, 0.1W, RC12H	4822 117 13579
3439	10K, 1%, 0.1W.	4822 117 10833
3440	47 Ohm, 5%, 0.1W.	4822 051 20479
3441	82K, 1%, 0.1W.	4822 117 11149
3442	100K, 1%, 0.1W.	4822 117 10837
3443	330 Ohm, 5%, 0.5W.	4822 116 52219
3444	330 Ohm, 5%, 0.5W.	4822 116 52219
3445	330 Ohm, 1%, RC12H, 1.25W.	4822 117 13577
3446	330 Ohm, 1%, RC12H, 1.25W.	4822 117 13577
3447	330 Ohm, 5%, 0.5W.	4822 116 52219
3448	330 Ohm, 5%, 0.5W.	4822 116 52219
3449	100K, 1%, 0.1W.	4822 117 10837
3451	10K, 1%, 0.1W.	4822 117 10833
3452	330 Ohm, 5%, 0.5W.	4822 116 52219
3453	330 Ohm, 5%, 0.5W.	4822 116 52219
3455	22K, 5%, 0.1W.	4822 051 20223
3457	330 Ohm, 5%, 0.5W.	4822 116 52219
3459	10K, 1%, 0.1W.	4822 117 10833
3460	10K, 1%, 0.1W.	4822 117 10833
3461	10K, 1%, 0.1W.	4822 117 10833
3462	10K, 1%, 0.1W.	4822 117 10833
3463	10K, 1%, 0.1W.	4822 117 10833
3464	10K, 1%, 0.1W.	4822 117 10833
3465	220 Ohm, 1%, 0.1W.	4822 117 11503
3466	220 Ohm, 1%, 0.1W.	4822 117 11503
3467	220 Ohm, 1%, 0.1W.	4822 117 11503
3468	220 Ohm, 1%, 0.1W.	4822 117 11503
3469	220 Ohm, 1%, 0.1W.	4822 117 11503
3470	220 Ohm, 1%, 0.1W.	4822 117 11503
3471	1K, 2%, 0.25W.	4822 051 10102
3472	1K, 2%, 0.25W.	4822 051 10102
3473	0 Ohm, Jumper, (0805).	4822 051 20008
3474	0 Ohm, Jumper, (0805).	4822 051 20008
3475	100K, 1%, 0.1W.	4822 117 10837
3478	100K, 1%, 0.1W.	4822 117 10837
3479	1K, 2%, 0.25W.	4822 051 10102
3480	100K, 1%, 0.1W.	4822 117 10837
3481	1K, 2%, 0.25W.	4822 051 10102
3482	100K, 1%, 0.1W.	4822 117 10837
3483	100K, 1%, 0.1W.	4822 117 10837
3484	1K, 2%, 0.25W.	4822 051 10102
3485	0 Ohm, Jumper, (0805).	4822 051 20008
3491	100K, 1%, 0.1W.	4822 117 10837
3493	470 Ohm, 5%, 0.1W.	4822 051 20471
3494	470 Ohm, 5%, 0.1W.	4822 051 20471
3495	470 Ohm, 5%, 0.1W.	4822 051 20471
3496	470 Ohm, 5%, 0.1W.	4822 051 20471
3497	470 Ohm, 5%, 0.1W.	4822 051 20471
3498	470 Ohm, 5%, 0.1W.	4822 051 20471
3499	470 Ohm, 5%, 0.1W.	4822 051 20471
3500	470 Ohm, 5%, 0.1W.	4822 051 20471
3501	470 Ohm, 5%, 0.1W.	4822 051 20471
3502	1K, 2%, 0.25W.	4822 051 10102
3751	33K, 5%, 0.1W.	4822 051 20333
3752	33K, 5%, 0.1W.	4822 051 20333
3753	33K, 5%, 0.1W.	4822 051 20333
3754	33K, 5%, 0.1W.	4822 051 20333
3755	33K, 5%, 0.1W.	4822 051 20333
3756	33K, 5%, 0.1W.	4822 051 20333
3757	33K, 5%, 0.1W.	4822 051 20333
3758	33K, 5%, 0.1W.	4822 051 20333
3759	33K, 5%, 0.1W.	4822 051 20333
3760	33K, 5%, 0.1W.	4822 051 20333

S = Safety Part Be sure to use exact replacement part.

3761	33K, 5%, 0.1W.	4822 051 20333	2104	100pF., 10%, 50V	4822 122 33195
3762	33K, 5%, 0.1W.	4822 051 20333	2106	3.0-11pF., N450, 100V.	4822 125 60101
3763	33K, 5%, 0.1W.	4822 051 20333	2107	1uF., 10%, 63V	4822 121 51319
3764	33K, 5%, 0.1W.	4822 051 20333	2120	22pF., 5%, 50V	5322 122 32658
3765	33K, 5%, 0.1W.	4822 051 20333	2125	560pF., 5%, 400V	4822 121 51381
3766	33K, 5%, 0.1W.	4822 051 20333	2126	330pF., 5%, 63V.	5322 122 31863
3767	33K, 5%, 0.1W.	4822 051 20333	2127	220nF., 80-20%, 50V.	4822 126 13473
3768	33K, 5%, 0.1W.	4822 051 20333	2128	10uF., 20%, 50V.	4822 124 41579
3769	33K, 5%, 0.1W.	4822 051 20333	2129	100uF., 20%, 10V	4822 124 41584
3770	33K, 5%, 0.1W.	4822 051 20333	2130	22nF., +80-20%, Y5V 25V.	4822 126 11585
3771	33K, 5%, 0.1W.	4822 051 20333	2131	470nF., 80/20%, 16V.	4822 126 13482
3772	33K, 5%, 0.1W.	4822 051 20333	2132	470nF., 80/20%, 16V.	4822 126 13482
3773	33K, 5%, 0.1W.	4822 051 20333	2133	1uF., 20%, 63V	4822 124 40242
3774	33K, 5%, 0.1W.	4822 051 20333	2134	15nF., 5%, X7R, 63V, only in /01	4822 126 13188
3775	33K, 5%, 0.1W.	4822 051 20333	2134	22nF., 10%, X7R, 63V, only in /17.	5322 122 32654
3776	33K, 5%, 0.1W.	4822 051 20333	2135	0.22uF., 20%, 63V.	4822 124 40746
3777	33K, 5%, 0.1W.	4822 051 20333	2136	15nF., 5%, X7R, 63V, only in /01	4822 126 13188
3778	33K, 5%, 0.1W.	4822 051 20333	2136	22nF., 10%, X7R, 63V, only in /17.	5322 122 32654
3779	33K, 5%, 0.1W.	4822 051 20333	2137	0.22uF., 20%, 63V.	4822 124 40746
3780	33K, 5%, 0.1W.	4822 051 20333	2138	2.2uF., 20%, 50V	4822 124 41576
3781	33K, 5%, 0.1W.	4822 051 20333	2139	15pF., 5%, 50V	4822 126 14236
4401	0 Ohm, Jumper, (0805).	4822 051 20008	2141	100nF., 20%, Y5V 25V	4822 126 10002
4402	0 Ohm, Jumper, (0805).	4822 051 20008	2142	100nF., 20%, Y5V 25V	4822 126 10002
4403	0 Ohm, Jumper, (0805).	4822 051 20008	2143	220nF., 80-20%, 50V.	4822 126 13473
4404	0 Ohm, Jumper, (0805).	4822 051 20008	2144	1uF., 20%, 63V	4822 124 40242
4406	0 Ohm, Jumper, (0805).	4822 051 20008	2145	220pF., 5%, NP0, 63V	4822 122 33575
4407	0 Ohm, Jumper, (0805).	4822 051 20008	2146	220pF., 5%, NP0, 63V	4822 122 33575
4408	0 Ohm, Jumper, (0805).	4822 051 20008	2147	220pF., 5%, NP0, 63V	4822 122 33575
4410	0 Ohm, Jumper, (0805).	4822 051 20008	2148	22nF., +80-20%, Y5V 25V.	4822 126 11585
4411	0 Ohm, Jumper, (0805).	4822 051 20008	2149	22nF., 10%, X7R, 63V	5322 122 32654
4413	0 Ohm, Jumper, (0805).	4822 051 20008	2150	100nF., 20%, Y5V 63V	4822 122 31947
4416	0 Ohm, Jumper, (0805).	4822 051 20008	2152	33nF., 5%, 50V	4822 126 12105
4417	0 Ohm, Jumper, (0805).	4822 051 20008	2153	15pF., 2%, NP0, 50V 1206	4822 122 32504
4418	0 Ohm, Jumper, (0805).	4822 051 20008	2155	3.0-11pF., N450 100V	4822 125 60101
4420	0 Ohm, Jumper, (0805).	4822 051 20008	2159	33pF., 5%, 50V	5322 122 32659
4421	0 Ohm, Jumper, (0805).	4822 051 20008	2160	22nF., 10%, X7R, 63V	5322 122 32654
4422	0 Ohm, Jumper, (0805).	4822 051 20008	2164	470nF., 80/20%, 16V.	4822 126 13482
4423	0 Ohm, Jumper, (0805).	4822 051 20008	2165	100nF., 20%, Y5V 25V	4822 126 10002
4424	0 Ohm, Jumper, (0805).	4822 051 20008	2166	1nF., 10%, X7R, 50V.	5322 122 34123
4425	0 Ohm, Jumper, (0805).	4822 051 20008	2167	12pF., 2%, NP0, 63V.	4822 122 32139
4426	0 Ohm, Jumper, (0805).	4822 051 20008	2168	82pF., 1%, NP0, 63V.	4822 126 13695
4450	0 Ohm, Jumper, (0805).	4822 051 20008		RESISTORS	
	COILS & FILTERS		3101	33k, 5%, 0.1W.	4822 051 20333
5401	Coil, 2.2uH., LAL02TB2R2J.	4822 157 11477	3102	100K 5%, 0.1W.	4822 051 20104
5402	Coil, 2.2uH., LAL02TB2R2J.	4822 157 11477	3103	18k, 1%, 0.1W.	4822 117 10965
5403	Coil, 2.2uH., LAL02TB2R2J.	4822 157 11477	3104	180 Ohm, 1%, 0.1W.	4822 117 11448
	SEMICONDUCTORS		3105	220 Ohm, 5%, 0.5W.	4822 116 83872
6400	Diode, LTL1214A.	9322 100 14682	3110	47 Ohm, 5%, 0.5W	4822 116 52195
6401	Diode, LED, LTL-16KPE-P.	4822 130 82978	3120	0 Ohm Jumper (0805).	4822 051 20008
6402	Diode, 1N4148.	4822 130 30621	3132	47 Ohm, 5%, 0.5W	4822 116 52195
6403	Diode, 1N4148.	4822 130 30621	3134	22k, 5%, 0.1W.	4822 051 20223
6404	Diode, 1N4148.	4822 130 30621	3141	56k, 1%, 0.1W.	4822 117 11148
6405	Diode, 1N4148.	4822 130 30621	3142	100k, 30%, LIN 0.1W.	4822 100 11163
6406	Diode, 1N4148.	4822 130 30621	3145	2.2K, 1%, 0.1W	4822 117 11449
6407	Diode, LED, LTL-16KPE-P.	4822 130 82978	3146	22 Ohm, 5%, 0.1W	4822 051 20229
6408	Diode, LED, LTL-16KPE-P.	4822 130 82978	3152	470 Ohm, 5%, 0.5W.	4822 116 83883
6409	Diode, LED, LTL-16KPE-P.	4822 130 82978	3153	470 Ohm, 5%, 0.1W.	4822 051 20471
6410	Diode, LED, LTL-16KPE-P.	4822 130 82978	3154	150 Ohm, 5%, 0.5W.	4822 116 83868
6412	Diode, LED, LTL-16KPE-P.	4822 130 82978	3155	470 Ohm, 5%, 0.1W.	4822 051 20471
6413	Diode, LED, LTL-16KPE-P.	4822 130 82978	3156	100k, 5%, 0.1W only in /01	4822 051 20104
6414	Diode, 1N4148.	4822 130 30621	3158	470 Ohm, 5%, 0.5W.	4822 116 83883
6415	Diode, LED, LTL-16KPE-P.	4822 130 82978	3159	470 Ohm, 5%, 0.5W.	4822 116 83883
6416	Diode, LED, LTL-16KPE-P.	4822 130 82978	3160	470 Ohm, 5%, 0.5W.	4822 116 83883
6417	Diode, LED, LTL-16KPE-P.	4822 130 82978	3161	470 Ohm, 5%, 0.5W.	4822 116 83883
6418	Diode, LED, LTL-16KPE-P.	4822 130 82978	3167	220 Ohm, 1%, 0.1W.	4822 117 11503
6419	Diode, 1N4148.	4822 130 30621	3169	150k, 5%, 0.1W	4822 051 20154
6421	Diode, LED, LTL-16KPE-P.	4822 130 82978	3170	100k, 5%, 0.5W	4822 116 52234
7402	Transistor, PDTA144ET.	4822 130 11607	3171	330 Ohm, 5%, 0.5W.	4822 116 52219
7403	IC, GP1U28XP	4822 130 10165	4101	0 Ohm Jumper (0805).	4822 051 20008
7405	IC, M24C08-MN6	4822 209 17445	4102	0 Ohm Jumper (0805).	4822 051 20008
7406	Transistor, BC847B	4822 130 60511	4103	0 Ohm Jumper (0805).	4822 051 20008
7407	Transistor, BC847B	4822 130 60511	4104	0 Ohm Jumper (0805).	4822 051 20008
7408	Transistor, BC847B	4822 130 60511	4105	0 Ohm Jumper (0805).	4822 051 20008
7409	Transistor, BC847B	4822 130 60511	4106	0 Ohm Jumper (0805).	4822 051 20008
7411	IC, HEF4094BT.	5322 209 11306	4108	0 Ohm Jumper (0805).	4822 051 20008
7412	IC, HEF4094BT.	5322 209 11306	4111	0 Ohm Jumper (0805).	4822 051 20008
7413	Display, VFD 16-MT-65GK.	2722 171 07168	4120	0 Ohm Jumper (0805).	4822 051 20008
7415	IC, Microprocessor, TMP87CS71F-FR970.	3103 308 84150	4150	0 Ohm, 5%, 0.25W	4822 051 10008
7416	Transistor, BC847B	4822 130 60511	4152	0 Ohm, 5%, 0.25W	4822 051 10008
7417	Transistor, BC847B	4822 130 60511	4153	0 Ohm, 5%, 0.25W	4822 051 10008
7418	Transistor, BC847B	4822 130 60511	4154	0 Ohm, 5%, 0.25W	4822 051 10008
			4157	0 Ohm, 5%, 0.25W	4822 051 10008
			4158	0 Ohm, 5%, 0.25W	4822 051 10008
			4159	0 Ohm, 5%, 0.25W	4822 051 10008
				COILS & FILTERS	
			5102	MW RF COIL	4822 157 71634
			5109	SFE, 10.7MHz	4822 242 70665
			5110	SFE, 10.7MHz	4822 242 70665
			5111	AM-IF, Filter 10.7MHz.	4822 158 60511
			5112	AM-IF, Filter 10.7MHz.	4822 157 70302
			5114	AM-IF, Filter 10.7MHz.	4822 157 70302
			5119	Discriminator, 10.7MHz	4822 157 11443

S = Safety Part Be sure to use exact replacement part.

5121	Quartz 75kHz	4822 242 10261
5123	Osc Coil MW.	4822 157 60517
5130	RF-Coil 1.5T	4822 156 30947
5131	RF-Coil 1.5T	4822 156 30947
SEMICONDUCTORS		
6103	Diode, 1N4148.	4822 130 30621
6104	Diode, 1N4148.	4822 130 30621
6105	Diode, HN1V02H-B	4822 130 83075
6106	Diode, 1N4148.	4822 130 30621
6107	Diode, BZX79-B11	4822 130 34488
6120	Diode, 1N4148, only in /17	4822 130 30621
6130	Diode, 1SV228.	4822 130 82833
6131	Diode, 1SV228.	4822 130 82833
7101	IC, TEA5757H/V1.	4822 209 90924
7102	Transistor, 2SA838B.	4822 130 60093
7111	Transistor, BC848C	5322 130 42136

MDM MODULE PARTS

MDM MODULE PARTS		
1003	MDM Module (Complete).	3104 217 05750
1800	Connector.	4822 267 31729
1801	Connector.	4822 267 31448
6800	GP1F32R.	4822 218 11487
6801	LF33CV Stabilizer.	4822 209 16978

MAINS BOARD PARTS LIST

MAINS BOARD PARTS LIST		
MISCELLANEOUS		
S 1052	MAINS OUTLET	2422 030 00301
S 1054	MAINS OUTLET	2422 030 00301
S 1056	MAINS SWITCH	4822 276 13224
S 1061	MAINS INLET.	4822 265 20723
S 1062	RELAY.	4822 280 10391
1064	B2P3-VH.	4822 265 20723
S 1066	FUSE, 4A	4822 253 10126
S 1069	FUSE, 315MA.	4822 071 53151
S 1078	FUSE, 1.6A	4822 071 51602
S 1079	FUSE, 2A	4822 071 52002
S 5052	Transformer, Standby /17	4822 146 11142
CAPACITORS		
2051	47nF., 5%, 250V.	4822 121 43526
2052	47nF., 5%, 250V.	4822 121 43526
2055	4.7nF., 20% 250V	4822 126 14084
RESISTORS		
S 3051	10 Meg, 5%, 0.5W	4822 053 21106
3052	1K, 1%, 0.4W	4822 050 11002
3053	1K, 1%, 0.4W	4822 050 11002
3057	12 Ohm, 5%, 0.33W.	4822 052 10129
3058	2.2K, 5%, 0.5W	4822 116 52256
3059	10K, 1%, 0.6W.	4822 050 21003
3061	10K, 1%, 0.6W.	4822 050 21003
SEMICONDUCTORS		
6051	Diode, 1N4148.	4822 130 30621
6052	Diode, 1N4003G	4822 130 31878
6053	Diode, 1N4003G	4822 130 31878
6055	Diode, 1N4003G	4822 130 31878
6056	Diode, 1N4003G	4822 130 31878
6057	Diode, 1N4148.	4822 130 30621
6058	Diode, 1N4148.	4822 130 30621
6062	Diode, 1N4148.	4822 130 30621
6063	Diode, 1N4148.	4822 130 30621
6064	Diode, 1N4148.	4822 130 30621
6066	Diode, 1N4148.	4822 130 30621
6067	Diode, 1N4148.	4822 130 30621
7053	Transistor, BC337-25	4822 130 40981

MONO BOARD PARTS LIST

MONO BOARD PARTS LIST		
MISCELLANEOUS		
S 1258	FUSE, 1.6A	4822 071 51602
S 1260	FUSE, 6.3A	4822 252 51123
S 1261	FUSE, 6.3A	4822 252 51123
S 1262	FUSE, 1A	4822 252 51173
1301	CONN LS.	2422 015 19088
1502	CINCH 4P	4822 267 31823
1512	CINCH 4P	4822 267 31823
1513	CINCH 4P	4822 267 31823
1514	CINCH 4P	4822 267 31823
1516	CINCH 4P	4822 267 31823
1520	CINCH 1P	4822 265 10981
1521	CON BM V 12P	2422 025 11067
1523	CON BM V 12P	2422 025 11067
1525	CINCH 2P	4822 265 11608
S 1530	FUSE 315mA	4822 071 53151
1540	CINCH 2P	4822 265 20542
1542	CINCH 2P	2422 026 05134
1550	CINCH 1P	4822 267 31729
1801	CONN, 1P	4822 267 31996
1802	CINCH 2P	4822 265 11619
1803	CINCH 2P	4822 265 11619
1901	CONN, CLICK 4P	4822 265 11609
5302	Filter Coil.	4822 157 62255

S = Safety Part Be sure to use exact replacement part.

5304	Filter Coil.	4822 157 62255
5306	Filter Coil.	4822 157 62255
5901	Filter Coil.	4822 157 62255
5902	Filter Coil.	4822 157 62255
CAPACITORS		
2251	100nF., 5%, 250V	5322 121 42578
2254	100nF., 5%, 250V	5322 121 42578
2259	4700uF., 20%, 50V.	4822 124 80415
2260	4700uF., 20%, 50V.	4822 124 80415
2266	100nF., 5%, 63V.	5322 121 42386
2268	100nF., 5%, 63V.	5322 121 42386
2269	2200uF., 20%, 35V.	4822 124 11583
2270	100nF., Y5V 0805 50V	4822 126 13838
2271	470nF., 10%, 16V	4822 126 14583
2272	6800uF., 16V	4822 124 12328
2273	100nF., 10%, X7R, 50V.	4822 126 14585
2274	470nF., 10%, 16V XTR 0805.	4822 126 14583
2275	1000uF., 16V	4822 124 81144
2276	100nF., 10%, X7R, 50V.	4822 126 14585
2277	470nF., 10%, 16V	4822 126 14583
2278	2.2uF., 20%, 50V	4822 124 22652
2280	100uF., 20%, 10V	4822 124 41584
2281	100nF., Y5V, 50V	4822 126 13838
2282	470nF., 10%, 16V	4822 126 14583
2283	220uF., 20%, 50V	4822 124 11769
2290	10uF., 20%, 63V.	4822 124 40248
2295	10nF., 20%, X7R, 50V	4822 122 33177
2297	10uF., 20%, 63V.	4822 124 40248
2298	47nF., 10%, X7R, 63V	4822 126 13751
2301	22nF., 10%, X7R, 63V	5322 122 32654
2302	22uF., 50V	4822 124 81151
2306	10uF., 20%, 63V.	4822 124 40248
2307	4.7pF., 5%, NP0, 50V	5322 122 32287
2310	10uF., 20%, 63V.	4822 124 40248
2311	470pF., 10%, 50V	5322 122 32268
2313	220pF., 5%, NP0, 63V	4822 122 33575
2314	220nF., 80-20%, 50V.	4822 126 13473
2315	100uF., 20%, 10V	4822 124 41584
2316	10uF., 20%, 63V.	4822 124 40248
2319	470pF., 10%, 50V	5322 122 32268
2321	220nF., 80-20%, 50V.	4822 126 13473
2324	4.7pF., 5%, NP0, 50V	5322 122 32287
2325	220pF., 5%, NP0, 63V	4822 122 33575
2330	100uF., 20%, 10V	4822 124 41584
2333	220nF., 80-20%, 50V.	4822 126 13473
2334	10uF., 20%, 63V.	4822 124 40248
2337	470pF., 10%, 50V	5322 122 32268
2341	220pF., 5%, NP0, 63V	4822 122 33575
2346	100uF., 20%, 10V	4822 124 41584
2347	4.7pF., 5%, NP0, 50V	5322 122 32287
2349	10uF., 20%, 63V.	4822 124 40248
2350	220uF., 20%, 10V	4822 124 40181
2351	47nF., 10%, X7R, 63V	4822 126 13751
2352	22uF., 50V	4822 124 81151
2357	100nF., +80-20%, 50V	4822 126 12882
2358	220nF., 80-20%, 50V.	4822 126 13473
2359	220nF., 80-20%, 50V.	4822 126 13473
2360	220nF., 80-20%, 50V.	4822 126 13473
2365	10nF., 5%, 250V.	4822 121 41857
2371	4.7nF., 10%, X7R, 63V.	5322 126 10223
2372	4.7nF., 10%, X7R, 63V.	5322 126 10223
2373	4.7nF., 10%, X7R, 63V.	5322 126 10223
2374	100pF., 5%, NP0, 50V	5322 122 32531
2375	100pF., 5%, NP0, 50V	5322 122 32531
2376	100pF., 5%, NP0, 50V	5322 122 32531
2501	1nF., 5%, NP0, 50V	5322 126 10511
2502	1nF., 5%, NP0, 50V	5322 126 10511
2505	1nF., 5%, NP0, 50V	5322 126 10511
2506	1nF., 5%, NP0, 50V	5322 126 10511
2507	1nF., 5%, NP0, 50V	5322 126 10511
2508	100pF., 5%, NP0, 50V	5322 122 32531
2509	100pF., 5%, NP0, 50V	5322 122 32531
2510	100pF., 5%, NP0, 50V	5322 122 32531
2511	100pF., 5%, NP0, 50V	5322 122 32531
2512	100pF., 5%, NP0, 50V	5322 122 32531
2513	100pF., 5%, NP0, 50V	5322 122 32531
2514	100pF., 5%, NP0, 50V	5322 122 32531
2515	100pF., 5%, NP0, 50V	5322 122 32531
2516	100pF., 5%, NP0, 50V	5322 122 32531
2517	100pF., 5%, NP0, 50V	5322 122 32531
2518	100pF., 5%, NP0, 50V	5322 122 32531
2519	100pF., 5%, NP0, 50V	5322 122 32531
2520	100pF., 5%, NP0, 50V	5322 122 32531
2521	100pF., 5%, NP0, 50V	5322 122 32531
2522	100pF., 5%, NP0, 50V	5322 122 32531
2525	100pF., 5%, NP0, 50V	5322 122 32531
2526	100pF., 5%, NP0, 50V	5322 122 32531
2527	47uF., 20%, 50V.	4822 124 41751
2528	47uF., 20%, 50V.	4822 124 41751
2529	100nF., Y5V 50V, +80-20%	4822 126 13838
2530	100nF., Y5V 50V, +80-20%	4822 126 13838
2531	220nF., 5%, 63V.	4822 121 42408

2532	220nF., 5%, 63V.	4822 121 42408	2639	47uF., 20%, 50V.	4822 124 41751
2533	22uF., 50V	4822 124 81151	2641	1uF., 20%, 63V	4822 124 21913
2534	22uF., 50V	4822 124 81151	2642	1uF., 20%, 63V	4822 124 21913
2535	22uF., 50V	4822 124 81151	2643	1uF., 20%, 63V	4822 124 21913
2536	22uF., 50V	4822 124 81151	2644	1uF., 20%, 63V	4822 124 21913
2537	22uF., 50V	4822 124 81151	2645	1uF., 20%, 63V	4822 124 21913
2538	22uF., 50V	4822 124 81151	2646	1uF., 20%, 63V	4822 124 21913
2539	100uF., 20%, 25V	4822 124 40207	2647	1uF., 20%, 63V	4822 124 21913
2540	47uF., 20%, 25V	4822 124 40433	2648	1uF., 20%, 63V	4822 124 21913
2541	10uF., 20%, 63V.	4822 124 40248	2649	1uF., 20%, 63V	4822 124 21913
2542	10uF., 20%, 63V.	4822 124 40248	2650	1uF., 20%, 63V	4822 124 21913
2543	220uF., 20%, 6.3V.	4822 124 11912	2651	1uF., 20%, 63V	4822 124 21913
2544	220uF., 20%, 6.3V.	4822 124 11912	2652	1uF., 20%, 63V	4822 124 21913
2545	100pF., 5%, NP0, 50V	5322 122 32531	2655	1uF., 20%, 63V	4822 124 21913
2546	100pF., 5%, NP0, 50V	5322 122 32531	2656	1uF., 20%, 63V	4822 124 21913
2549	22pF., 5%, 50V	5322 122 32658	2657	1uF., 20%, 63V	4822 124 21913
2550	22pF., 5%, 50V	5322 122 32658	2658	1uF., 20%, 63V	4822 124 21913
2551	100nF., Y5V 50V, +80-20%	4822 126 13838	2659	2.2uF., 20%, 50V	4822 124 22652
2552	100nF., Y5V 50V, +80-20%	4822 126 13838	2660	2.2uF., 20%, 50V	4822 124 22652
2553	47uF., 20%, 50V.	4822 124 41751	2661	2.2uF., 20%, 50V	4822 124 22652
2554	47uF., 20%, 50V.	4822 124 41751	2662	2.2uF., 20%, 50V	4822 124 22652
2555	100nF., Y5V 50V, +80-20%	4822 126 13838	2663	2.2uF., 20%, 50V	4822 124 22652
2556	100nF., Y5V 50V, +80-20%	4822 126 13838	2664	2.2uF., 20%, 50V	4822 124 22652
2557	47uF., 20%, 50V.	4822 124 41751	2665	47nF., 5%, 250V.	4822 121 43526
2558	47uF., 20%, 50V.	4822 124 41751	2666	47nF., 5%, 250V.	4822 121 43526
2559	33nF., 5%, 50V, X7R.	4822 126 12105	2667	47nF., 5%, 250V.	4822 121 43526
2561	22uF., 100V.	4822 124 40764	2668	47nF., 5%, 250V.	4822 121 43526
2562	22uF., 100V.	4822 124 40764	2669	47nF., 5%, 250V.	4822 121 43526
2563	2200uF., 16V, 20%.	4822 123 14025	2670	47nF., 5%, 250V.	4822 121 43526
2564	2.2uF., 20%, 50V	4822 124 22652	2671	6.8nF., 10%, X7R, 63V.	5322 122 31866
2565	2.2uF., 20%, 50V	4822 124 22652	2672	6.8nF., 10%, X7R, 63V.	5322 122 31866
2566	2.2uF., 20%, 50V	4822 124 22652	2673	6.8nF., 10%, X7R, 63V.	5322 122 31866
2567	4.7uF., 20%, 100V.	4822 124 40769	2674	6.8nF., 10%, X7R, 63V.	5322 122 31866
2568	4.7uF., 20%, 100V.	4822 124 40769	2675	6.8nF., 10%, X7R, 63V.	5322 122 31866
2569	100pF., 5%, NP0, 50V	5322 122 32531	2676	6.8nF., 10%, X7R, 63V.	5322 122 31866
2570	100pF., 5%, NP0, 50V	5322 122 32531	2677	22nF., 10%, X7R, 63V	5322 122 32654
2571	10uF., 20%, 63V.	4822 124 40248	2678	22nF., 10%, X7R, 63V	5322 122 32654
2572	10uF., 20%, 63V.	4822 124 40248	2679	22nF., 10%, X7R, 63V	5322 122 32654
2573	220pF., 5%, NP0, 63V	4822 122 33575	2680	22nF., 10%, X7R, 63V	5322 122 32654
2574	220pF., 5%, NP0, 63V	4822 122 33575	2681	22nF., 10%, X7R, 63V	5322 122 32654
2575	10uF., 20%, 63V.	4822 124 40248	2682	22nF., 10%, X7R, 63V	5322 122 32654
2576	10uF., 20%, 63V.	4822 124 40248	2683	22nF., 10%, X7R, 63V	5322 122 32654
2577	10nF., 20%, X7R, 50V	4822 122 33177	2684	22nF., 10%, X7R, 63V	5322 122 32654
2578	10nF., 20%, X7R, 50V	4822 122 33177	2685	22nF., 10%, X7R, 63V	5322 122 32654
2579	2.2nF., 10%, X7R, 63V.	4822 122 33127	2686	22nF., 10%, X7R, 63V	5322 122 32654
2580	2.2nF., 10%, X7R, 63V.	4822 122 33127	2687	22nF., 10%, X7R, 63V	5322 122 32654
2581	47uF., 20%, 50V.	4822 124 41751	2688	22nF., 10%, X7R, 63V	5322 122 32654
2582	47uF., 20%, 50V.	4822 124 41751	2689	68nF., 5%, 63V	5322 121 42465
2583	3.3nF., 10%, X7R, 63V.	4822 122 33891	2690	68nF., 5%, 63V	5322 121 42465
2584	3.3nF., 10%, X7R, 63V.	4822 122 33891	2691	68nF., 5%, 63V	5322 121 42465
2585	82pF., 1%, NP0, 63V.	4822 126 13695	2692	68nF., 5%, 63V	5322 121 42465
2586	82pF., 1%, NP0, 63V.	4822 126 13695	2693	68nF., 5%, 63V	5322 121 42465
2593	22uF., 50V	4822 124 81151	2694	68nF., 5%, 63V	5322 121 42465
2594	22uF., 50V	4822 124 81151	2695	68nF., 5%, 63V	5322 121 42465
2595	100pF., 5%, NP0, 50V	5322 122 32531	2696	68nF., 5%, 63V	5322 121 42465
2596	100pF., 5%, NP0, 50V	5322 122 32531	2697	68nF., 5%, 63V	5322 121 42465
2599	22pF., 5%, 50V	5322 122 32658	2698	68nF., 5%, 63V	5322 121 42465
2600	22pF., 5%, 50V	5322 122 32658	2699	68nF., 5%, 63V	5322 121 42465
2603	22uF., 50V	4822 124 81151	2700	68nF., 5%, 63V	5322 121 42465
2604	22uF., 50V	4822 124 81151	2801	10uF., 50V	4822 124 22833
2605	47pF., 1%, NP0, 63V.	4822 126 13692	2802	10uF., 50V	4822 124 22833
2606	47pF., 1%, NP0, 63V.	4822 126 13692	2803	10uF., 50V	4822 124 22833
2607	47uF., 20%, 50V.	4822 124 41751	2804	10uF., 50V	4822 124 22833
2608	47uF., 20%, 50V.	4822 124 41751	2805	100nF., 10%, X7R, 50V.	4822 126 14585
2610	220pF., 5%, NP0, 63V	4822 122 33575	2806	100nF., 10%, X7R, 50V.	4822 126 14585
2611	100uF., 20%, 25V	4822 124 40207	2807	100nF., 10%, X7R, 50V.	4822 126 14585
2612	10uF., 20%, 63V.	4822 124 40248	2809	10nF., 10%, X7R, 63V	5322 122 34098
2613	10uF., 20%, 63V.	4822 124 40248	2810	220uF., 10V.	4822 124 12245
2614	100uF., 20%, 25V	4822 124 40207	2811	10nF., 10%, X7R, 63V	5322 122 34098
2615	22nF., 10%, X7R, 63V	5322 122 32654	2812	220uF., 20%, 25V	4822 124 80144
2616	22nF., 10%, X7R, 63V	5322 122 32654	2813	1uF., 20%, 63V	4822 124 21913
2617	10uF., 20%, 63V.	4822 124 40248	2814	47pF., 1%, NP0, 63V.	4822 126 13692
2618	10uF., 20%, 63V.	4822 124 40248	2815	100nF., 10%, X7R, 50V.	4822 126 14585
2619	100pF., 5%, NP0, 50V	5322 122 32531	2816	22nF., 10%, X7R, 63V	5322 122 32654
2620	100pF., 5%, NP0, 50V	5322 122 32531	2817	1uF., 20%, 63V	4822 124 21913
2622	100pF., 5%, NP0, 50V	5322 122 32531	2818	22nF., 10%, X7R, 63V	5322 122 32654
2623	100pF., 5%, NP0, 50V	5322 122 32531	2821	22nF., 10%, X7R, 63V	5322 122 32654
2624	100pF., 5%, NP0, 50V	5322 122 32531	2822	22nF., 10%, X7R, 63V	5322 122 32654
2625	100pF., 5%, NP0, 50V	5322 122 32531	2831	100pF., 5%, NP0, 50V	5322 122 32531
2626	100pF., 5%, NP0, 50V	5322 122 32531	2832	100nF., 10%, X7R, 50V.	4822 126 14585
2627	100pF., 5%, NP0, 50V	5322 122 32531	2833	22nF., 10%, X7R, 63V	5322 122 32654
2628	100nF., 10%, X7R, 50V.	4822 126 14585	2834	100pF., 5%, NP0, 50V	5322 122 32531
2629	47uF., 20%, 50V.	4822 124 41751	2835	100pF., 5%, NP0, 50V	5322 122 32531
2630	100nF., 5%, 63V.	5322 121 42386	2836	100pF., 5%, NP0, 50V	5322 122 32531
2631	100nF., 5%, 63V.	5322 121 42386	2837	100pF., 5%, NP0, 50V	5322 122 32531
2632	100nF., 5%, 63V.	5322 121 42386	2851	22pF., 5%, 50V	5322 122 32658
2633	22nF., 10%, X7R, 63V	5322 122 32654	2852	22pF., 5%, 50V	5322 122 32658
2634	22nF., 10%, X7R, 63V	5322 122 32654	2853	22uF., 50V	4822 124 81151
2635	22nF., 10%, X7R, 63V	5322 122 32654	2854	22uF., 50V	4822 124 81151
2636	100nF., 10%, X7R, 50V.	4822 126 14585	2855	100pF., 5%, NP0, 50V	5322 122 32531
2637	47uF., 20%, 50V.	4822 124 41751	2856	100pF., 5%, NP0, 50V	5322 122 32531
2638	100nF., 10%, X7R, 50V.	4822 126 14585	2857	100nF., 10%, X7R, 50V.	4822 126 14585

S = Safety Part Be sure to use exact replacement part.

2858	47uF., 20%, 50V.	4822 124 41751	3315	1.8K, 5%, 0.1W	4822 051 20182
2860	47uF., 20%, 50V.	4822 124 41751	3316	4.7 Ohm, 1%, 0.6W.	4822 050 24708
2861	22nF., 10%, X7R, 63V	5322 122 32654	3319	56K, 1%, 0.1W.	4822 117 11148
2862	100pF., 5%, NP0, 50V	5322 122 32531	3322	56K, 1%, 0.1W.	4822 117 11148
2863	100pF., 5%, NP0, 50V	5322 122 32531	S 3323	1.8K, 5%, 0.1W	4822 051 20182
2864	100pF., 5%, NP0, 50V	5322 122 32531	3324	56K, 1%, 0.1W.	4822 117 11148
2865	100pF., 5%, NP0, 50V	5322 122 32531	3326	33K, 5%, 0.1W.	4822 051 20333
2866	100pF., 5%, NP0, 50V	5322 122 32531	3327	220 Ohm, 1%, 0.1W.	4822 117 11503
2867	100pF., 5%, NP0, 50V	5322 122 32531	S 3328	47 Ohm, 5%, 0.33W.	4822 052 10479
2868	220pF., 5%, NP0, 63V	4822 122 33575	3329	100K, 1%, 0.1W	4822 117 10837
2869	220pF., 5%, NP0, 63V	4822 122 33575	3330	10K, 1%, 0.1W.	4822 117 10833
2871	10nF., 20%, X7R, 50V	4822 122 33177	3334	1K, 2%, 0.25W.	4822 051 10102
2872	10nF., 20%, X7R, 50V	4822 122 33177	3335	1K, 2%, 0.25W.	4822 051 10102
2873	10nF., 20%, X7R, 50V	4822 122 33177	3336	1K, 2%, 0.25W.	4822 051 10102
2875	10nF., 20%, X7R, 50V	4822 122 33177	S 3337	0.22 Ohm, 5%, 1W	4822 117 11744
2876	10nF., 20%, X7R, 50V	4822 122 33177	S 3338	0.22 Ohm, 5%, 1W	4822 117 11744
2877	100nF., 5%, 63V.	5322 121 42386	3339	1.5K, 1%, 0.1W	4822 117 11139
2878	100nF., 5%, 63V.	5322 121 42386	3340	1.5K, 1%, 0.1W	4822 117 11139
2879	100nF., 5%, 63V.	5322 121 42386	S 3341	0.22 Ohm, 5%, 1W	4822 117 11744
2880	100nF., 5%, 63V.	5322 121 42386	S 3342	0.22 Ohm, 5%, 1W	4822 117 11744
2881	100nF., 5%, 63V.	5322 121 42386	3343	1.5K, 1%, 0.1W	4822 117 11139
2882	100nF., 5%, 63V.	5322 121 42386	S 3344	0.22 Ohm, 5%, 1W	4822 117 11744
2883	1nF., 5%, NP0, 50V	5322 126 10511	S 3345	0.22 Ohm, 5%, 1W	4822 117 11744
2884	1nF., 5%, NP0, 50V	5322 126 10511	S 3352	4.7 Ohm, 5%, 1W.	4822 053 10478
2885	1nF., 5%, NP0, 50V	5322 126 10511	S 3353	4.7 Ohm, 5%, 1W.	4822 053 10478
2886	1nF., 5%, NP0, 50V	5322 126 10511	S 3354	4.7 Ohm, 5%, 1W.	4822 053 10478
2887	2.2nF., 10%, X7R, 63V.	4822 122 33127	3356	47K, 1%, 0.1W.	4822 117 10834
2888	2.2nF., 10%, X7R, 63V.	4822 122 33127	3357	10K, 1%, 0.6W.	4822 050 21003
2901	22uF., 50V	4822 124 81151	3358	1K, 2%, 0.25W.	4822 051 10102
2902	10uF., 20%, 63V.	4822 124 40248	3359	100K, 1%, 0.1W	4822 117 10837
2903	4.7pF., 5%, NP0, 50V	5322 122 32287	3360	10K, 1%, 0.1W.	4822 117 10833
2904	4.7nF., 10%, X7R, 63V	4822 126 13751	3361	470 Ohm, 5%, 0.1W.	4822 051 20471
2905	10uF., 20%, 63V.	4822 124 40248	3362	470 Ohm, 5%, 0.1W.	4822 051 20471
2906	470pF., 10%, 50V	5322 122 32268	3363	470 Ohm, 5%, 0.1W.	4822 051 20471
2908	220nF., 80-20%, 50V.	4822 126 13473	3501	15K, 1%, 0.1W.	4822 116 83933
2909	4.7nF., 10%, X7R, 63V.	5322 126 10223	3502	15K, 1%, 0.1W.	4822 116 83933
2910	220pF., 5%, NP0, 63V	4822 122 33575	3505	15K, 5%, 0.5W.	4822 116 52244
2911	22nF., 10%, X7R, 63V	5322 122 32654	3506	15K, 5%, 0.5W.	4822 116 52244
2912	100uF., 20%, 10V	4822 124 41584	3509	15K, 1%, 0.1W.	4822 116 83933
2913	10uF., 20%, 63V.	4822 124 40248	3510	15K, 1%, 0.1W.	4822 116 83933
2914	470pF., 10%, 50V	5322 122 32268	3511	100 Ohm, 5%, 0.1W.	4822 051 20101
2916	220nF., 80-20%, 50V.	4822 126 13473	3512	100 Ohm, 5%, 0.1W.	4822 051 20101
2917	4.7nF., 10%, X7R, 63V.	5322 126 10223	3513	47K, 1%, 0.1W.	4822 117 10834
2918	220pF., 5%, NP0, 63V	4822 122 33575	3514	47K, 1%, 0.1W.	4822 117 10834
2919	100uF., 20%, 10V	4822 124 41584	3515	470 Ohm, 5%, 0.1W.	4822 051 20471
2920	220nF., 80-20%, 50V.	4822 126 13473	3516	470 Ohm, 5%, 0.1W.	4822 051 20471
2921	220nF., 80-20%, 50V.	4822 126 13473	3517	39K, 5%, 0.1W.	4822 051 20393
2922	4.7pF., 5%, NP0, 50V	5322 122 32287	3518	39K, 5%, 0.1W.	4822 051 20393
2923	22uF., 50V	4822 124 81151	3519	8.2K, 5%, 0.1W	4822 051 20822
2924	10uF., 20%, 63V.	4822 124 40248	3520	8.2K, 5%, 0.1W	4822 051 20822
2925	220uF., 20%, 10V	4822 124 40181	3521	39K, 5%, 0.1W.	4822 051 20393
2926	100nF., 10%, X7R, 50V.	4822 126 14585	3522	39K, 5%, 0.1W.	4822 051 20393
2930	100pF., 5%, NP0, 50V	5322 122 32531	3523	8.2K, 5%, 0.1W	4822 051 20822
2931	100pF., 5%, NP0, 50V	5322 122 32531	3524	8.2K, 5%, 0.1W	4822 051 20822
2932	100pF., 5%, NP0, 50V	5322 122 32531	3525	39K, 5%, 0.1W.	4822 051 20393
2933	100pF., 5%, NP0, 50V	5322 122 32531	3526	39K, 5%, 0.1W.	4822 051 20393
2934	1nF., 5%, NP0, 50V	5322 126 10511	3527	8.2K, 5%, 0.1W	4822 051 20822
2937	220pF., 5%, NP0, 63V	4822 122 33575	3528	8.2K, 5%, 0.1W	4822 051 20822
RESISTORS					
3251	470 Ohm, 5%, 0.1W.	4822 051 20471	3530	470 Ohm, 5%, 0.1W.	4822 051 20471
3252	100K, 1%, 0.1W	4822 117 10837	3531	39K, 5%, 0.1W.	4822 051 20393
3253	100K, 1%, 0.1W	4822 117 10837	3532	39K, 5%, 0.1W.	4822 051 20393
S 3254	0.33 Ohm, 5%, 2W	4822 117 11342	3533	8.2K, 5%, 0.1W	4822 051 20822
3256	10K, 1%, 0.1W.	4822 117 10833	3534	8.2K, 5%, 0.1W	4822 051 20822
S 3257	0.33 Ohm, 5%, 2W	4822 117 11342	3537	39K, 5%, 0.1W.	4822 051 20393
3258	82K, 1%, 0.1W.	4822 117 11149	3538	39K, 5%, 0.1W.	4822 051 20393
3259	680 Ohm, 1%, 0.1W.	4822 117 10361	3539	8.2K, 5%, 0.1W	4822 051 20822
3260	47K, 1%, 0.1W.	4822 117 10834	3540	8.2K, 5%, 0.1W	4822 051 20822
3263	680 Ohm, 1%, 0.1W.	4822 117 10361	3541	39K, 5%, 0.1W.	4822 051 20393
3264	100K, 1%, 0.1W	4822 117 10837	3542	39K, 5%, 0.1W.	4822 051 20393
3266	22K, 5%, 0.1W.	4822 051 20223	3543	2.7K, 1%, 0.1W, 0805	4822 117 12955
3267	3.9K, 5%, 0.1W	4822 051 20392	3544	2.7K, 1%, 0.1W, 0805	4822 117 12955
3268	3.3K, 5%, 0.1W	4822 051 20332	3545	10K, 1%, 0.1W.	4822 117 10833
3269	3.3K, 5%, 0.1W	4822 051 20332	3546	10K, 1%, 0.1W.	4822 117 10833
S 3270	47 Ohm, 5%, 0.33W.	4822 052 10479	3551	270 Ohm, 1%, 0.1W.	4822 117 11504
S 3271	47 Ohm, 5%, 0.33W.	4822 052 10479	3552	270 Ohm, 1%, 0.1W.	4822 117 11504
3272	39K, 5%, 0.1W.	4822 051 20393	3553	270 Ohm, 1%, 0.1W.	4822 117 11504
S 3291	10 Ohm, 5%, 0.33W.	4822 052 10109	3554	270 Ohm, 1%, 0.1W.	4822 117 11504
3292	15K, 1%, 0.1W.	4822 116 83933	3555	3.3K, 5%, 0.1W	4822 051 20332
3293	10K, 1%, 0.1W.	4822 117 10833	3556	270 Ohm, 1%, 0.1W.	4822 117 11504
3294	10K, 1%, 0.1W.	4822 117 10833	3557	270 Ohm, 1%, 0.1W.	4822 117 11504
3295	15K, 1%, 0.1W.	4822 116 83933	3560	1K, 2%, 0.25W.	4822 051 10102
S 3301	47 Ohm, 5%, 0.33W.	4822 052 10479	3561	4.7 Ohm, 5%, 0.33W	4822 052 10478
3304	56K, 1%, 0.1W.	4822 117 11148	3562	470 Ohm, 5%, 0.1W.	4822 051 20471
3305	47K, 1%, 0.1W.	4822 117 10834	3563	1K, 2%, 0.25W.	4822 051 10102
3306	47K, 1%, 0.1W.	4822 117 10834	3566	270 Ohm, 5%, 0.5W.	4822 116 83876
3307	47K, 1%, 0.1W.	4822 117 10834	3567	270 Ohm, 5%, 0.5W.	4822 116 83876
3308	56K, 1%, 0.1W.	4822 117 11148	3571	330K, 5%, 0.1W	4822 051 20334
3309	4.7 Ohm, 1%, 0.6W.	4822 050 24708	3572	330K, 5%, 0.1W	4822 051 20334
3310	1.8K, 5%, 0.1W	4822 051 20182	3573	1K, 2%, 0.25W.	4822 051 10102
3311	4.7 Ohm, 1%, 0.6W.	4822 050 24708	3574	1K, 2%, 0.25W.	4822 051 10102
3314	56K, 1%, 0.1W.	4822 117 11148	3575	56K, 1%, 0.1W.	4822 117 11148

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3576	56K, 1%, 0.1W.	4822 117 11148	3682	100 Ohm, 5%, 0.1W.	4822 051 20101
3577	560 Ohm, 5%, 0.1W.	4822 051 20561	3683	47K, 1%, 0.1W.	4822 117 10834
3578	560 Ohm, 5%, 0.1W.	4822 051 20561	3684	47K, 1%, 0.1W.	4822 117 10834
3579	390K, 5%, 0.1W.	4822 051 20394	3685	2.2K, 1%, 0.1W.	4822 117 11449
3580	390K, 5%, 0.1W.	4822 051 20394	3686	2.2K, 1%, 0.1W.	4822 117 11449
3581	27K, 5%, 0.1W.	4822 051 20273	3687	100 Ohm, 5%, 0.1W.	4822 051 20101
3582	27K, 5%, 0.1W.	4822 051 20273	3688	100 Ohm, 5%, 0.1W.	4822 051 20101
3583	10K, 1%, 0.1W.	4822 117 10833	3689	2.2K, 1%, 0.1W.	4822 117 11449
3584	10K, 1%, 0.1W.	4822 117 10833	3690	2.2K, 1%, 0.1W.	4822 117 11449
3585	1.5K, 1%, 0.1W.	4822 117 11139	3691	2.2K, 5%, 0.5W.	4822 116 52256
3586	1.5K, 1%, 0.1W.	4822 117 11139	3692	2.2K, 1%, 0.1W.	4822 117 11449
3587	3.9K, 5%, 0.1W.	4822 051 20392	3693	2.2K, 1%, 0.1W.	4822 117 11449
3588	3.9K, 5%, 0.5W.	4822 116 52276	3694	2.2K, 5%, 0.5W.	4822 116 52256
3589	10K, 1%, 0.1W.	4822 117 10833	3695	220K 1%, 0.1W, RC12H	4822 117 13579
3590	10K, 1%, 0.1W.	4822 117 10833	3696	10K, 1%, 0.1W.	4822 117 10833
3591	100K, 1%, 0.1W.	4822 117 10837	3697	22K, 5%, 0.5W.	4822 116 52257
3592	100K, 1%, 0.1W.	4822 117 10837	3698	220K 1%, 0.1W, RC12H	4822 117 13579
3593	4.7K, 5%, 0.1W.	4822 051 20472	3699	10K, 1%, 0.1W.	4822 117 10833
3594	4.7K, 5%, 0.1W.	4822 051 20472	3700	22K, 5%, 0.1W.	4822 051 20223
3595	4.7K, 5%, 0.1W.	4822 051 20472	3801	68 Ohm, 1%, 0.1W.	4822 117 12521
3596	4.7K, 5%, 0.1W.	4822 051 20472	3802	68 Ohm, 1%, 0.1W.	4822 117 12521
3597	5.6K, 5%, 0.5W.	4822 116 52289	3803	68 Ohm, 1%, 0.1W.	4822 117 12521
3598	5.6K, 5%, 0.5W.	4822 116 52289	3804	68 Ohm, 1%, 0.1W.	4822 117 12521
3601	100 Ohm, 5%, 0.1W.	4822 051 20101	3805	1K, 2%, 0.25W.	4822 051 10102
3602	100 Ohm, 5%, 0.1W.	4822 051 20101	3806	1K, 2%, 0.25W.	4822 051 10102
3603	100K, 1%, 0.1W.	4822 117 10837	3809	10 Ohm, 5%, 0.1W.	4822 051 20109
3604	100K, 1%, 0.1W.	4822 117 10837	3810	2.2K, 1%, 0.1W.	4822 117 11449
3605	12K, 1%, 0.1W.	4822 117 11383	3811	10 Ohm, 5%, 0.1W.	4822 051 20109
3606	12K, 1%, 0.1W.	4822 117 11383	3812	470 Ohm, 5%, 0.1W.	4822 051 20471
3607	33K, 5%, 0.1W.	4822 051 20333	3813	120 Ohm, 5%, 0.1W.	4822 051 20121
3608	33K, 5%, 0.1W.	4822 051 20333	3814	10 Ohm, 5%, 0.1W.	4822 051 20109
3609	120 Ohm, 5%, 0.1W.	4822 051 20121	3815	68 Ohm, 1%, 0.1W.	4822 117 12521
3610	120 Ohm, 5%, 0.1W.	4822 051 20121	3816	68 Ohm, 1%, 0.1W.	4822 117 12521
3611	47K, 1%, 0.1W.	4822 117 10834	3817	270 Ohm, 1%, 0.1W.	4822 117 11504
3612	47K, 1%, 0.1W.	4822 117 10834	3818	220 Ohm, 1%, 0.1W.	4822 117 11503
3613	470 Ohm, 5%, 0.1W.	4822 051 20471	3819	10 Ohm, 5%, 0.1W.	4822 051 20109
3614	470 Ohm, 5%, 0.1W.	4822 051 20471	3820	100 Ohm, 5%, 1W.	4822 053 10101
3615	470 Ohm, 5%, 0.1W.	4822 051 20471	3821	100 Ohm, 5%, 1W.	4822 053 10101
3616	470 Ohm, 5%, 0.1W.	4822 051 20471	3831	100 Ohm, 5%, 0.1W.	4822 051 20101
3618	47K, 1%, 0.1W.	4822 117 10834	3832	47 Ohm, 5%, 0.1W.	4822 051 20479
3619	47K, 1%, 0.1W.	4822 117 10834	3834	100 Ohm, 5%, 0.1W.	4822 051 20101
3620	100 Ohm, 5%, 0.5W.	4822 116 52175	3851	3.3K, 5%, 0.1W.	4822 051 20332
3621	100 Ohm, 5%, 0.1W.	4822 051 20101	3852	22K, 5%, 0.1W.	4822 051 20223
3622	120 Ohm, 5%, 0.1W.	4822 051 20121	3853	10K, 1%, 0.1W.	4822 117 10833
3623	120 Ohm, 5%, 0.1W.	4822 051 20121	3854	4.7K, 5%, 0.1W.	4822 051 20472
S 3627	10 Ohm, 5%, 0.33W.	4822 052 10109	3855	270 Ohm, 5%, 0.5W.	4822 116 83876
S 3629	10 Ohm, 5%, 0.33W.	4822 052 10109	3856	270 Ohm, 1%, 0.1W.	4822 117 11504
3630	1K, 1%, 0.4W.	4822 050 11002	3857	100K, 1%, 0.1W.	4822 117 10837
3631	1K, 1%, 0.4W.	4822 050 11002	3858	100K, 1%, 0.1W.	4822 117 10837
3632	1K, 1%, 0.4W.	4822 050 11002	3859	10K, 1%, 0.1W.	4822 117 10833
3633	1K, 2%, 0.25W.	4822 051 10102	3860	10K, 1%, 0.1W.	4822 117 10833
3634	1K, 2%, 0.25W.	4822 051 10102	3871	3.3K, 5%, 0.1W.	4822 051 20332
3635	1K, 2%, 0.25W.	4822 051 10102	3872	3.3K, 5%, 0.1W.	4822 051 20332
3636	470 Ohm, 5%, 0.1W.	4822 051 20471	3873	1K, 2%, 0.25W.	4822 051 10102
3637	470 Ohm, 5%, 0.1W.	4822 051 20471	3874	1K, 2%, 0.25W.	4822 051 10102
3641	100K, 1%, 0.1W.	4822 117 10837	3875	3.3K, 5%, 0.1W.	4822 051 20332
3642	100K, 1%, 0.1W.	4822 117 10837	3877	1K, 2%, 0.25W.	4822 051 10102
3643	100K, 1%, 0.1W.	4822 117 10837	3878	1K, 2%, 0.25W.	4822 051 10102
3644	100K, 1%, 0.1W.	4822 117 10837	3879	3.3K, 5%, 0.1W.	4822 051 20332
3645	56K, 1%, 0.1W.	4822 117 11148	3880	3.3K, 5%, 0.1W.	4822 051 20332
3646	56K, 1%, 0.1W.	4822 117 11148	3881	1K, 2%, 0.25W.	4822 051 10102
3649	100K, 1%, 0.1W.	4822 117 10837	3882	1K, 2%, 0.25W.	4822 051 10102
3650	100K, 1%, 0.1W.	4822 117 10837	3883	12K, 1%, 0.1W.	4822 117 11383
3651	56K, 1%, 0.1W.	4822 117 11148	3884	12K, 1%, 0.1W.	4822 117 11383
3652	56K, 1%, 0.1W.	4822 117 11148	3885	12K, 1%, 0.1W.	4822 117 11383
3655	100K, 1%, 0.1W.	4822 117 10837	3886	12K, 1%, 0.1W.	4822 117 11383
3656	100K, 1%, 0.1W.	4822 117 10837	3887	12K, 1%, 0.1W.	4822 117 11383
3657	56K, 1%, 0.1W.	4822 117 11148	3888	12K, 1%, 0.1W.	4822 117 11383
3658	56K, 1%, 0.1W.	4822 117 11148	3889	2.2K, 1%, 0.1W.	4822 117 11449
3659	2.7K, 1%, 0.1W, 0805	4822 117 12955	3890	2.2K, 1%, 0.1W.	4822 117 11449
3660	2.7K, 1%, 0.1W, 0805	4822 117 12955	3891	8.2K, 5%, 0.1W.	4822 051 20822
3661	5.6K, 5%, 0.1W, 0805	4822 051 20562	3892	8.2K, 5%, 0.1W.	4822 051 20822
3662	5.6K, 5%, 0.1W, 0805	4822 051 20562	3893	8.2K, 5%, 0.1W.	4822 051 20822
3663	2.7K, 1%, 0.1W, 0805	4822 117 12955	3895	8.2K, 5%, 0.1W.	4822 051 20822
3664	2.7K, 1%, 0.1W, 0805	4822 117 12955	3896	8.2K, 5%, 0.1W.	4822 051 20822
3665	5.6K, 5%, 0.1W, 0805	4822 051 20562	S 3901	47 Ohm, 5%, 0.33W.	4822 052 10479
3666	5.6K, 5%, 0.1W, 0805	4822 051 20562	3902	56K, 1%, 0.1W.	4822 117 11148
3667	2.7K, 1%, 0.1W, 0805	4822 117 12955	3903	47K, 1%, 0.1W.	4822 117 10834
3668	2.7K, 1%, 0.1W, 0805	4822 117 12955	3904	47K, 5%, 0.5W.	4822 116 83884
3669	5.6K, 5%, 0.1W, 0805	4822 051 20562	3905	4.7 Ohm, 1%, 0.6W.	4822 050 24708
3670	5.6K, 5%, 0.1W, 0805	4822 051 20562	3906	56K, 1%, 0.1W.	4822 117 11148
3671	47K, 1%, 0.1W.	4822 117 10834	3908	1.8K, 5%, 0.1W.	4822 051 20182
3672	47K, 1%, 0.1W.	4822 117 10834	3910	4.7 Ohm, 1%, 0.6W.	4822 050 24708
3673	2.2K, 1%, 0.1W.	4822 117 11449	3911	56K, 1%, 0.1W.	4822 117 11148
3674	2.2K, 1%, 0.1W.	4822 117 11449	3913	1.8K, 5%, 0.1W.	4822 051 20182
3675	100 Ohm, 5%, 0.1W.	4822 051 20101	3914	56K, 1%, 0.1W.	4822 117 11148
3676	100 Ohm, 5%, 0.1W.	4822 051 20101	S 3915	47 Ohm, 5%, 0.33W.	4822 052 10479
3677	47K, 1%, 0.1W.	4822 117 10834	S 3916	4.7 Ohm, 5%, 1W.	4822 053 10478
3678	47K, 1%, 0.1W.	4822 117 10834	3917	33K, 1%, 0.6W.	4822 050 23303
3679	2.2K, 1%, 0.1W.	4822 117 11449	3918	220 Ohm, 1%, 0.1W.	4822 117 11503
3680	2.2K, 1%, 0.1W.	4822 117 11449	S 3919	4.7 Ohm, 5%, 1W.	4822 053 10478
3681	100 Ohm, 5%, 0.1W.	4822 051 20101	3920	100K, 1%, 0.1W.	4822 117 10837

S = Safety Part Be sure to use exact replacement part.

3921	1K, 2%, 0.25W.	4822 051 10102	4832	0 Ohm Jumper, (0805)	4822 051 20008
3922	1K, 2%, 0.25W.	4822 051 10102	4835	0 Ohm Jumper, (0805)	4822 051 20008
3925	10K, 1%, 0.1W.	4822 117 10833	4902	0 Ohm Jumper, (0805)	4822 051 20008
S 3926	0.22 Ohm, 5%, 1W	4822 117 11744	4903	0 Ohm Jumper, (0805)	4822 051 20008
S 3927	0.22 Ohm, 5%, 1W	4822 117 11744	4904	0 Ohm Jumper, (0805)	4822 051 20008
3928	1.5K, 1%, 0.1W	4822 117 11139	4905	0 Ohm Jumper, (0805)	4822 051 20008
3929	1.5K, 1%, 0.1W	4822 117 11139	4907	0 Ohm Jumper, (0805)	4822 051 20008
S 3930	0.22 Ohm, 5%, 1W	4822 117 11744	4908	0 Ohm Jumper, (0805)	4822 051 20008
S 3931	0.22 Ohm, 5%, 1W	4822 117 11744	4909	0 Ohm Jumper, (0805)	4822 051 20008
3935	1K, 2%, 0.25W.	4822 051 10102	4910	0 Ohm Jumper, (0805)	4822 051 20008
3936	100K, 1%, 0.1W	4822 117 10837	4914	0 Ohm Jumper, (0805)	4822 051 20008
3937	10K, 1%, 0.1W.	4822 117 10833	4915	0 Ohm Jumper, (0805)	4822 051 20008
3938	2.2K, 1%, 0.1W.	4822 117 11449	4916	0 Ohm Jumper, (0805)	4822 051 20008
3939	2.2K, 1%, 0.1W.	4822 117 11449	4917	0 Ohm Jumper, (0805)	4822 051 20008
3940	220 Ohm, 1%, 0.1W.	4822 117 11503	4918	0 Ohm Jumper, (0805)	4822 051 20008
3941	220 Ohm, 1%, 0.1W.	4822 117 11503	SEMICONDUCTORS		
3943	10K, 1%, 0.1W.	4822 117 10833	6251	Diode, D5SBA20	4822 130 82078
3944	220 Ohm, 1%, 0.1W.	4822 117 11503	6257	Diode, 1N4003G	4822 130 31878
3945	220 Ohm, 1%, 0.1W.	4822 117 11503	6258	Diode, 1N4003G	4822 130 31878
3946	470 Ohm, 5%, 0.1W.	4822 051 20471	6259	Diode, 1N4003G	4822 130 31878
3947	470 Ohm, 5%, 0.1W.	4822 051 20471	6260	IC, Regulator, L7812CP	4822 209 33575
3948	220 Ohm, 1%, 0.1W.	4822 117 11503	6261	Diode, 1N4003G	4822 130 31878
3949	220 Ohm, 1%, 0.1W.	4822 117 11503	6262	Diode, 1N4003G	4822 130 31878
3950	1.8K, 5%, 0.1W	4822 051 20182	6263	Diode, 1N4003G	4822 130 31878
3951	1.8K, 5%, 0.1W	4822 051 20182	6265	IC, Regulator, L7805CP	4822 209 31841
3952	100 Ohm, 5%, 0.1W.	4822 051 20101	6267	IC, Regulator, L7805CP	4822 209 31841
3953	100 Ohm, 5%, 0.1W.	4822 051 20101	6268	Diode, 1N4003G	4822 130 31878
3954	100 Ohm, 5%, 0.1W.	4822 051 20101	6270	Diode, BZX79-B6V8.	4822 130 34278
3955	100 Ohm, 5%, 0.1W.	4822 051 20101	6271	Diode, 1N4148.	4822 130 30621
3956	100K, 5%, 0.5W	4822 116 52234	6274	Diode, 1N4003G	4822 130 31878
4251	0 Ohm Jumper, (0805)	4822 051 20008	6275	Diode, 1N4003G	4822 130 31878
4252	0 Ohm Jumper, (0805)	4822 051 20008	6276	Diode, BZX79-B5V6.	4822 130 34173
4254	0 Ohm Jumper, (0805)	4822 051 20008	6279	Diode, 1N4148.	4822 130 30621
4255	0 Ohm Jumper, (0805)	4822 051 20008	6280	Diode, BZX79-B10	4822 130 61219
4256	0 Ohm Jumper, (0805)	4822 051 20008	6281	Diode, BZX79-B22	4822 130 34441
4257	0 Ohm Jumper, (0805)	4822 051 20008	6289	Diode, 1N4148.	4822 130 30621
4258	0 Ohm Jumper, (0805)	4822 051 20008	6290	Diode, 1N4148.	4822 130 30621
4260	0 Ohm Jumper, (0805)	4822 051 20008	6304	Diode, BZX79-B3V3.	5322 130 31504
4283	0 Ohm Jumper, (0805)	4822 051 20008	6305	Diode, 1N4148.	4822 130 30621
4284	0 Ohm Jumper, (0805)	4822 051 20008	6501	Diode, 1N4148.	4822 130 30621
4285	0 Ohm Jumper, (0805)	4822 051 20008	6601	Diode, 1N4148.	4822 130 30621
4287	0 Ohm Jumper, (0805)	4822 051 20008	6602	Diode, 1N4148.	4822 130 30621
4320	0 Ohm Jumper, (0805)	4822 051 20008	6641	Diode, 1N4148.	4822 130 30621
4506	0 Ohm Jumper, (0805)	4822 051 20008	6642	Diode, 1N4148.	4822 130 30621
4513	0 Ohm Jumper, (0805)	4822 051 20008	6643	Diode, 1N4148.	4822 130 30621
4514	0 Ohm Jumper, (0805)	4822 051 20008	6644	Diode, 1N4148.	4822 130 30621
4515	0 Ohm Jumper, (0805)	4822 051 20008	6645	Diode, 1N4148.	4822 130 30621
4516	0 Ohm Jumper, (0805)	4822 051 20008	6646	Diode, 1N4148.	4822 130 30621
4517	0 Ohm Jumper, (0805)	4822 051 20008	6647	Diode, 1N4148.	4822 130 30621
4518	0 Ohm Jumper, (0805)	4822 051 20008	6648	Diode, 1N4148.	4822 130 30621
4519	0 Ohm Jumper, (0805)	4822 051 20008	6649	Diode, 1N4003G	4822 130 31878
4520	0 Ohm Jumper, (0805)	4822 051 20008	S 6650	Diode, BZX79-B10	4822 130 61219
4521	0 Ohm Jumper, (0805)	4822 051 20008	6801	Diode, BZX79-B6V8.	4822 130 34278
4522	0 Ohm Jumper, (0805)	4822 051 20008	6802	Diode, BZX79-B6V8.	4822 130 34278
4523	0 Ohm Jumper, (0805)	4822 051 20008	6803	Diode, BZX79-B6V8.	4822 130 34278
4524	0 Ohm Jumper, (0805)	4822 051 20008	6804	Diode, BZX79-B6V8.	4822 130 34278
4526	0 Ohm Jumper, (0805)	4822 051 20008	6805	Diode, BZX79-B6V8.	4822 130 34278
4528	0 Ohm Jumper, (0805)	4822 051 20008	6806	Diode, BZX79-B6V8.	4822 130 34278
4529	0 Ohm Jumper, (0805)	4822 051 20008	6807	Diode, BZX79-B6V8.	4822 130 34278
4530	0 Ohm Jumper, (0805)	4822 051 20008	6808	Diode, BZX79-B6V8.	4822 130 34278
4531	0 Ohm Jumper, (0805)	4822 051 20008	6809	Diode, 1N4148.	4822 130 30621
4532	0 Ohm Jumper, (0805)	4822 051 20008	6810	Diode, BZX79-B5V1.	4822 130 34233
4533	0 Ohm Jumper, (0805)	4822 051 20008	6811	Diode, BZX79-B8V2.	4822 130 34382
4537	0 Ohm Jumper, (0805)	4822 051 20008	6831	Diode, 1N4148.	4822 130 30621
4538	0 Ohm Jumper, (0805)	4822 051 20008	6832	Diode, 1N4148.	4822 130 30621
4539	0 Ohm Jumper, (0805)	4822 051 20008	6905	Diode, BZX79-B15	4822 130 34281
4540	0 Ohm Jumper, (0805)	4822 051 20008	7253	Transistor, BC847B	4822 130 60511
4541	0 Ohm Jumper, (0805)	4822 051 20008	7255	Transistor, BC856B	4822 130 60373
4542	0 Ohm Jumper, (0805)	4822 051 20008	7256	Transistor, BC847B	4822 130 60511
4543	0 Ohm Jumper, (0805)	4822 051 20008	7257	Transistor, BC327-25	4822 130 41246
4544	0 Ohm Jumper, (0805)	4822 051 20008	7258	Transistor, BC327-25	4822 130 41246
4545	0 Ohm Jumper, (0805)	4822 051 20008	7259	Transistor, BC847B	4822 130 60511
4548	0 Ohm Jumper, (0805)	4822 051 20008	7260	Transistor, BC847B	4822 130 60511
4550	0 Ohm Jumper, (0805)	4822 051 20008	7261	Transistor, BC856B	4822 130 60373
4551	0 Ohm Jumper, (0805)	4822 051 20008	7301	IC, STK496-270	4822 209 17447
4552	0 Ohm Jumper, (0805)	4822 051 20008	7304	Transistor, BC847B	4822 130 60511
4553	0 Ohm Jumper, (0805)	4822 051 20008	7305	Transistor, BC847B	4822 130 60511
4555	0 Ohm Jumper, (0805)	4822 051 20008	7306	Transistor, BC847B	4822 130 60511
4556	0 Ohm Jumper, (0805)	4822 051 20008	7307	Transistor, BC847B	4822 130 60511
4557	0 Ohm Jumper, (0805)	4822 051 20008	7309	Transistor, BC856B	4822 130 60373
4558	0 Ohm Jumper, (0805)	4822 051 20008	7310	Transistor, BC847B	4822 130 60511
4559	0 Ohm Jumper, (0805)	4822 051 20008	7501	IC, LC7821	4822 209 72748
4560	0 Ohm Jumper, (0805)	4822 051 20008	7503	IC, NJM4560M	4822 209 83357
S 4563	1 Ohm, 5%,	4822 117 11151	7504	IC, NJM4560M	4822 209 83357
4564	0 Ohm Jumper, (0805)	4822 051 20008	7571	IC, NJM4560DD.	4822 209 70157
4565	0 Ohm Jumper, (0805)	4822 051 20008	7572	IC, LC7821	4822 209 72748
4566	0 Ohm Jumper, (0805)	4822 051 20008	7601	IC, NJM4556MB.	4822 209 31378
4642	0 Ohm Jumper, (0805)	4822 051 20008	7621	Transistor, BC817-40	4822 130 42615
4644	0 Ohm Jumper, (0805)	4822 051 20008	7622	Transistor, BC817-40	4822 130 42615
4651	0 Ohm Jumper, (0805)	4822 051 20008	7641	IC, TDA7437T	4822 209 17386
4652	0 Ohm Jumper, (0805)	4822 051 20008	7642	IC, TDA7437T	4822 209 17386
4653	0 Ohm Jumper, (0805)	4822 051 20008	7643	IC, TDA7437T	4822 209 17386

S = Safety Part Be sure to use exact replacement part.

7644	Transistor, BC337.	4822	130	40855
7651	Transistor, BC817-40	4822	130	42615
7652	Transistor, BC817-40	4822	130	42615
7653	Transistor, BC817-40	4822	130	42615
7654	Transistor, BC817-40	4822	130	42615
7655	Transistor, BC817-40	4822	130	42615
7656	Transistor, BC817-40	4822	130	42615
7657	Transistor, BC856B	4822	130	60373
7658	Transistor, BC856B	4822	130	60373
7660	IC, NJM4560M	4822	209	83357
7661	Transistor, BC817-40	4822	130	42615
7662	Transistor, BC817-40	4822	130	42615
7801	Transistor, BC847B	4822	130	60511
S 7802	Transistor, BC557B	4822	130	44568
7803	IC, STV6401.	4822	209	16886
7901	IC, STK496-070	4822	209	17385
7902	Transistor, BC847B	4822	130	60511
7903	Transistor, BC847B	4822	130	60511
7904	Transistor, BC847B	4822	130	60511
7908	Transistor, BC856B	4822	130	60373
7909	Transistor, BC847B	4822	130	60511
7910	Transistor, BD242BFP	9322	139	22687

EXPLODED VIEW PARTS

EXPLODED VIEW PARTS				
1	FRONT CABINET ASM. FR965/17.	3104	217	52930
2	BUTTON HINGE ASM. SURROUND	4822	410	12442
3	BUTTONS HINGE TUNER.	4822	410	12435
4	BUTTON HINGE ASM. MENU	4822	410	12443
5	BUTTONS HINGE BASS TREBLE.	4822	410	12436
6	BUTTONS EASY LINK.	4822	410	12437
8	LIGHT GUIDE SURROUND	4822	380	10274
9	LIGHT GUIDE VIRTUAL/HALL	3104	214	38460
10	LIGHT GUIDE SELECTOR	4822	380	10277
11	ORN. PLATE ASM. FR960/01/17.	3104	217	52450
12	RING KNOB, VOLUME.	3104	217	52130
13	RING KNOB, SOURCE SELECTOR	3104	217	52140
14	WINDOW DISPLAY ASM. FR960/01/17.	3104	217	52260
25	KNOB, VOLUME (BL).	4822	410	12438
26	KNOB, SOURCE SELECTOR.	4822	410	12439
27	KNOB, MENU NAV (BL).	4822	410	12441
28	BADGE, PHILIPS	4822	459	10887
36	LEG, SILVER.	4822	691	10773
38	LEG, SILVER.	4822	691	10773
115	POWER ROD.	4822	535	10638
116	POWER CAP.	4822	462	11176
117	BUSH	4822	532	60948
125	COVERPLATE	4822	442	01817
1001	FRONT DISPLAY PANEL.	0000	0-_-	-_-_-
1002	MONO BOARD ASSEMBLY.	0000	0-_-	-_-_-
1003	MULTI CHANNEL DECODING	3104	217	05750
1004	MAINS BOARD ASSEMBLY	0000	0-_-	-_-_-
1005	EC05 TUNER PANEL	0000	0-_-	-_-_-
S 5001	TRANSFORMER, FR965/17 5 X 50W.	3104	218	31000
8002	FLEXIBLE FOIL, 15P 220MM	4822	320	12706
S 8020	MAINSORD UL	3139	118	77230
AC01	HOME CINEMA SPEAKER 60W.	3104	219	04220
AC02	HOME CINEMA CENTER SPEAKER 60W	3104	219	04200
AC03	SUBWOOFER FB201V/17.	3104	219	03730
AC04	CORD SET, L/R BOX.	4822	320	12719
AC05	CORD SET, CENTER SPEAKER	4822	320	12721
AC06	CORD SET, SURROUND SPEAKER	4822	320	12722
AC07	FM AERIAL, 300 Ohm	4822	320	11094
AC08	P50 ADAPTOR.	4822	263	21206
AC09	AM ANTENNA FRAME	4822	303	50082
AC10	REMOTE CONTROL	3104	219	03770
AC11	ASSEMBLY CINCH/CINCH 1M.	4822	321	61452
AC12	IFU MX960/37 (OWNER'S MANUAL).	3104	215	36260

S = Safety Part Be sure to use exact replacement part.