

# **DVD20**

## **Digital Versatile Disc Player**

Dolby Digital / DTS / PCM / MP3 decoding

### **PRELIMINARY**

### **Service – Technical Manual**



# Technical Specifications

<b>Applicable Disc:</b>	5 inch (12 cm) or 3 inch (8 cm) DVD-Movie, VCD, CD-i, CD, CD-R or CD-RW discs, Region 2 DVD-Movie Discs, DVD: Single Side/Single Layer, Single Side/Dual Layer, Dual Side/Dual Layer, Linear PCM, MPEG, Dolby Digital or DTS Audio Discs
<b>Video Signal System:</b>	PAL/NTSC
<b>Composite Video Output:</b>	1 V p-p/75 Ohms, sync negative polarity
<b>S Video Output:</b>	Y/Luminance: 1 V p-p/75 Ohms, sync negative polarity C/Chrominance: 0.286 V p-p
<b>Analog Audio Output:</b>	2 Vrms max
<b>Frequency Response:</b>	DVD (Linear PCM): 2 Hz - 22 kHz +0/-0.5 dB (48 kHz sampling) 2 Hz - 44 kHz +0/-0.5 dB (96 kHz sampling) CD: 2 Hz - 20 kHz +0/-0.5 dB
<b>Signal/Noise Ratio (SNR):</b>	110 dB (A-weighted)
<b>Dynamic Range:</b>	DVD: 100 dB (18 Bit) / 105 dB (20 Bit) CD/DVD: 96 dB (16 Bit)
<b>THD/1kHz:</b>	DVD/CD: 0.0025 %
<b>Wow &amp; Flutter:</b>	Below Measurable Limits
<b>AC Power:</b>	220-240 V/50 Hz
<b>Power Consumption:</b>	12 Watts (On) / 20 Watts (Max)
<b>Dimensions (WxHxD):</b>	440x100x330 mm
<b>Weight:</b>	7 Kg

All specifications subject to change without notice.

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Manufactured under license from Dolby Laboratories. Dolby, AC-3, ProLogic and the double-D symbol are trademarks of Dolby Laboratories. Confidential.  
Unpublished Work. © 1992-1997 Dolby Laboratories, Inc. All rights reserved.  
DTS is a trade mark of Digital Theater Systems, Inc.

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## Features

### High quality video

- Advanced sophisticated 10-bit MPEG-2 video decoding circuits.
- Direct RGB output via SCART (selectable) for optimum video performance. SCART connector also configurable for Video and S-Video output.
- Second SCART connector for throughput of VCR or other video source to TV with only one SCART input.
- Test screen videos available for testing video performance and setup.
- PAL 60 option for NTSC discs.
- Dual-layer compatibility for extended play DVD.

### High quality digital audio

- By connecting a DTS (Digital Theater Systems) or a Dolby Digital decoder, you can enjoy high quality 5.1 digital surround sound from DTS or Dolby Digital discs.
- With linear PCM audio at 16-24 bits and 44-96 kHz (also on digital output, see table page 14), audio quality exceeding that of CD becomes possible.
- Optical and coaxial digital audio output.

### Many convenient features

- On-Screen Menu Icons for disc information or player information and access to many major functions of this unit.
- Subtitles may be displayed in one of numerous languages\*.
- The multi-angle function allows you to choose the viewing angle of scenes which were shot from a number of different angles (Limited to DVD's recorded with multiple camera angles.)
- Multiple options for dialog language and soundtrack selection (limited to DVD's recorded with multiple dialog languages or soundtracks).
- Programming of up to 9 scenes in memory (markers).
- Parental lock settings to prevent play of discs unsuitable for some audiences [DVD only].
- Intuitive menu operating system.
- Separate Buttons for convenient Fast Forward/Fast Reverse Search and Track Skip.

- 2x/4x Zoom during play and pause, selection movable over screen in all directions.
- Backlit, ergonomically designed remote control.

\* The number of languages recorded depends on the software.

### Compatible with CD as well as DVD

- The DVD20 will play any conventional Audio CD or recordable (CD-R) or erasable CD (CD-RW), bearing the logos shown here, as any VCD or DVD with the region code 0 or 2.

### Disc formats supported by this player

The unit can play discs bearing any of the following logos:



DVD

3" (8 cm) disc  
5" (12 cm) disc



CD

3" (8 cm) disc  
5" (12 cm) disc



CD-RW

5" (12 cm) disc



CD-R

3" (8 cm) disc



VCD

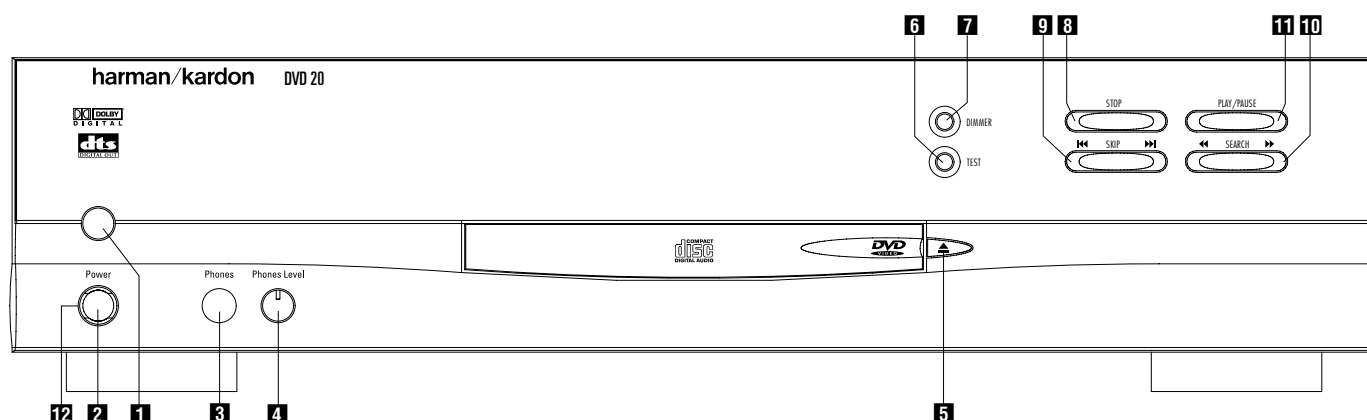
5" (12 cm) disc

5" (12 cm) disc

**NOTE:** Due to differences in the format of certain discs, it is possible that some discs may include a mix of features that are not compatible with the DVD 20. Similarly, although the DVD 20 is capable of a wide range of features, not all discs include every capability of the DVD system. For example, although the DVD 20 is compatible with multi-angle discs, that feature is only possible when the disc is specially encoded for multiple-angle play. In addition, the DVD 20 is capable of playing back both Dolby Digital and DTS soundtracks, but the number and types of tracks available will vary from disc to disc. To make certain that a specific feature or soundtrack option is available, please check the options noted on the disc jacket.

■ Playback capability for CD-R and CD-RW discs may vary due to variations in the quality of the disc and the recorder used to create the disc.

## Front Panel Controls



- |                                 |                     |                                    |
|---------------------------------|---------------------|------------------------------------|
| <b>1</b> Main Power On/Off      | <b>5</b> Open/Close | <b>9</b> Skip (Preview/Next)       |
| <b>2</b> Power On/Off (Standby) | <b>6</b> TEST       | <b>10</b> Search (Reverse/Forward) |
| <b>3</b> Phone Jack             | <b>7</b> Dimmer     | <b>11</b> Play/Pause               |
| <b>4</b> Phone Level            | <b>8</b> Stop       | <b>12</b> Status Indicator         |

**1 Main Power On/Off:** Press this switch to apply power to the DVD 20. When the unit is first turned on, the **Status Indicator 12** will turn orange. Once the unit has been turned on with this switch, it may be operated from either the front panel or remote control. Press the switch again to turn the unit completely off.

**2 Power On/Off (Standby):** Press the button once to turn the DVD 20 on, press it again to put the unit in the Standby mode. Note that in order for this switch to operate, the **Main Power Switch 1** must be pressed in so that it is in the ON position.

**3 Headphone Jack:** Connect standard headphones to this jack for private listening.

**4 Headphone Level Control:** Turn this control to adjust the volume level to the headphones. Note that the use of this control will not change the analog output levels at the rear panel audio outputs.

**5 Open/Close Button:** Press this button to open or close the Disc Tray.

**6 TEST:** Press this button to bring a test picture to the screen, that enables you to optimally adjust all important parameters of colour videos like brightness, contrast, colour intensity and tint.

**7 Dimmer:** Press this button to reduce the brightness of the Information Display by 50% or to turn the display off completely in the following order: FULL BRIGHTNESS → HALF BRIGHTNESS → OFF → FULL BRIGHTNESS.

**8 Stop:** Press this button once to place the disc in the Resume mode, which means that playback will stop, but as long as the tray is not opened or the disc changed, DVD playback will continue from the same point on the disc when the Play Button is pressed again. Resume will also work if the unit was turned off. To stop a disc and have play start from the beginning, press the button twice.

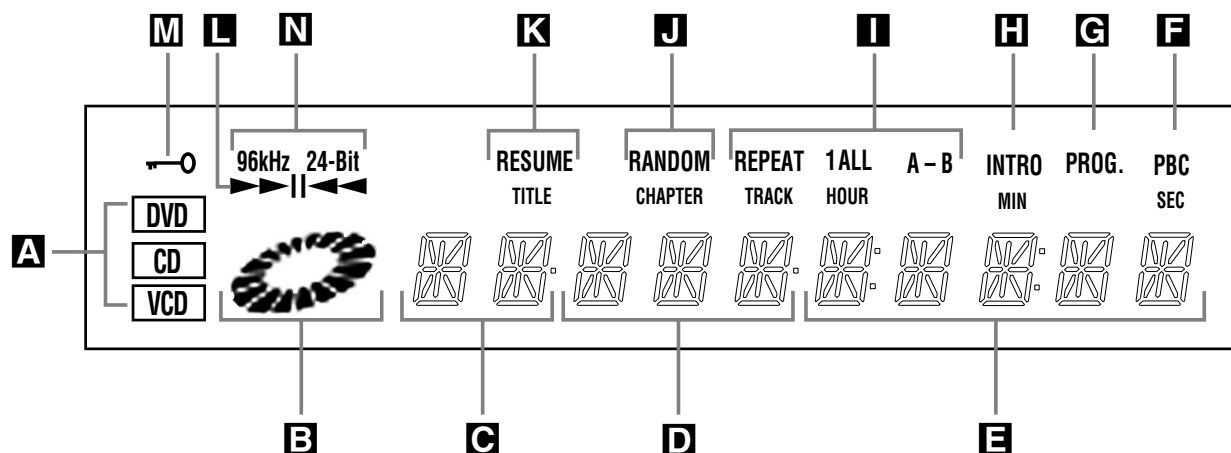
**9 Skip Preview/Next:** Press this button to move forward or backward through the music tracks on a CD disc or the chapters on a DVD disc.

**10 Search Reverse/Forward:** Press this button to move forward or backward through a CD or DVD at one of four speeds. Each press and release will increase the search speed, as indicated in the on-screen display. Once you have selected the desired speed, release the button and the disc will continue to search at fast speed. To resume normal playback speed, press the play button.

**11 Play/Pause:** Press this button to momentarily pause playback. To resume playback, press the button again. If a DVD is playing, action will freeze and a still picture will be displayed when the button is pressed.

**12 Status Indicator:** When the DVD 20 is in the On mode, this indicator will glow green. When the unit has been placed in the Standby mode by pressing the Power-Off button on the remote, the indicator will glow orange, indicating that the unit is still connected to the AC main supply and is ready to be turned on from the remote control.

## Front Panel Information Display



- A** Disc Type Indicators
- B** Play/Search Speed Indicator
- C** Title Indicators
- D** Chapter/Track Number Indicators
- E** Time Indicators

- F** VCD Playback Control Indicator
- G** Program Indicator
- H** Intro Indicators
- I** Repeat Indicators
- J** Random Indicator

- K** Resume Indicator
- L** Playback-Mode Indicators
- M** Parental Lock Indicator
- N** 96kHz/24-Bit Indicator

**A Disc Type Indicators:** The DVD, VCD or CD indicator will illuminate to show the type of disc currently being played.

**B** This indicator illuminates and spins during playback, slow playback and search, varying the spin speed corresponding to the play/search speed.

**C Title Indicators:** These two positions in the display will show the current title number when a DVD disc is playing.

**D Chapter/Track Number Indicators:** When a DVD disc is playing, these two positions in the display will show the current chapter. When a CD disc is playing they will show the current track number.

**E Time Indicators:** These positions in the indicator will show the running time of a DVD in play. When a CD is playing, these indicators will show the current track time, time remaining in the current track, or the total remaining time on the disc.

**NOTE:** The Indicators **CDE** will also display text messages about the DVD 20's status, including **Reading** when a disc is loading, **STAND-BYE** when the unit is turned off, and **Disc Error** when a disc not compatible with the DVD 20 is put into the play position.

**F VCD Playback Control Indicator:** This indicator lights when the playback control function is turned on with VCDs.

**G Program Indicator:** This indicator lights when the programming functions are in use.

**H Intro Indicator:** This indicator lights when the Intro Scan function is active.

**I Repeat Indicators:** These indicators light when any of the Repeat functions are in use.

**J Random Indicator:** This indicator lights when the unit is in the Random Play mode.

**K Resume Indicator:** This indicator lights when the Stop button has been pressed once to put the unit in the Resume mode.

**L Playback-Mode Indicators:** These indicators light to show the current playback mode:

► Lights when a disc is playing in the normal mode

►► Lights when the disc is in the Fast Search Forward mode. For DVD's, when both triangles glow steadily, the disc plays at 2x normal speed. When the right triangle is flashing, the disc plays at 4x normal speed. When the left triangle is flashing, the disc plays at 8x normal speed. When both triangles are flashing, the disc plays at 16x normal speed. For CDs, only the first three Fast Search modes are available.

►► Lights when the disc is paused.

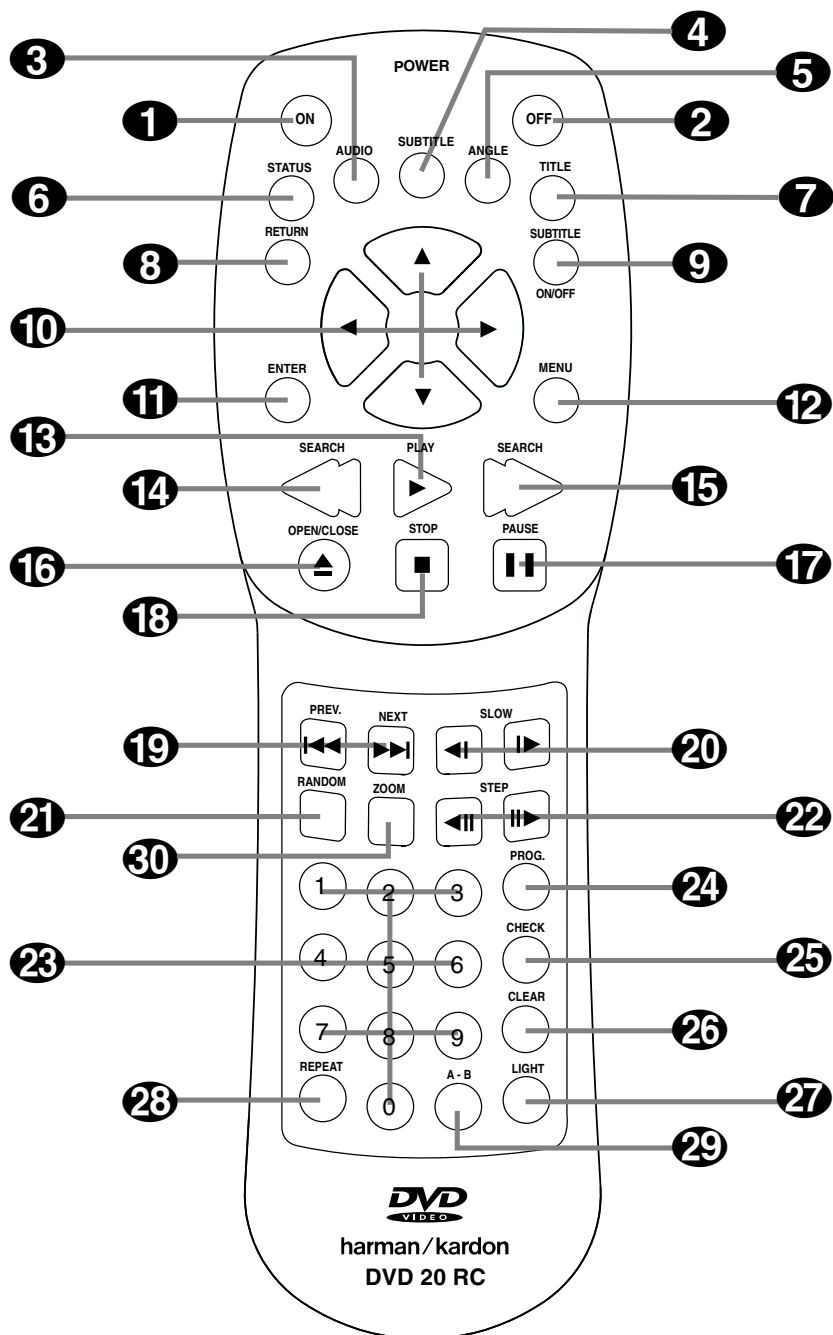
◄◄ Lights when the disc is in the Fast Search Reverse mode. For DVDs, when both triangles glow steadily, the disc plays at 2x normal speed. When the left triangle is flashing, the disc plays at 4x normal speed. When the right triangle is flashing, the disc plays at 8x normal speed. When both triangles are flashing, the disc plays at 16x normal speed. For CDs, only the first three Fast Search modes are available.

**M Parental Lock Indicator:** This indicator lights when the parental-lock system is engaged in order to prevent anyone from changing the rating level without a code.

**N 96kHz/24-Bit Indicator:** 96kHz/24-Bit Indicator: The 96kHz Indicator will light when a disc recorded with 96kHz content is playing, the 24-Bit Indicator will light when a disc recorded with 24-bit content is playing. Note that for a correct digital output the "Linear PCM" setting must be made appropriately, see page 21 for more information.

## Remote Control Functions

- ❶ POWER ON
- ❷ POWER OFF
- ❸ AUDIO
- ❹ SUBTITLE
- ❺ ANGLE
- ❻ STATUS
- ❼ TITLE
- ❽ RETURN
- ❾ SUBTITLE ON/OFF
- ❿ ARROWS
- ⓫ ENTER
- ⓬ MENU
- ⓭ PLAY
- ⓮ SEARCH (REV)
- ⓯ SEARCH (FWD)
- ⓰ OPEN/CLOSE
- ⓱ PAUSE
- ⓲ STOP
- ⓳ PREV./NEXT
- ⓴ SLOW (REV/FWD)
- ⓵ RANDOM
- ⓶ STEP (REV/FWD)
- ⓷ NUMBERS
- ⓸ PROGRAM
- ⓹ CHECK
- ⓺ CLEAR
- ⓻ LIGHT
- ⓼ REPEAT
- ⓽ A-B-Repeat
- ⓿ ZOOM



## Remote Control Functions

**1 POWER ON:** Turns on the player when it is in standby mode (Harman Kardon logo appears on screen).

**2 POWER OFF:** Turns off the player to standby mode.

**3 AUDIO:** Press to access various audio languages on a DVD (If the DVD contains multiple audio streams).

**4 SUBTITLE:** When a DVD is playing, press to access subtitles menu (If the DVD contains subtitles).

**5 ANGLE:** Press to access various camera angles on a DVD (If the DVD contains multiple camera angles).

**6 STATUS:** Press while playing a disc to see Banner Display on the screen. The Banner Display contains various playback features and information about the disc.

**7 TITLE:** When a disc is playing, press to see the disc's Title. Select Menu (Main DVD menu) on the screen (if the disc was created with Titles).

**8 RETURN:** When using the DVD Player's menu system, press to escape from the menu. When playing any DVD menu, press to return to preceding menu screen (depends on DVD title format).

**9 SUBTITLE ON/OFF:** Turns the subtitles on and off when playing a DVD (If the disc contains subtitles).

**10 ARROW buttons (LEFT/RIGHT/UP/DOWN):** Use to select and execute items or settings.

**11 ENTER:** Press to select a highlighted menu item.

**12 MENU:** Displays the actual DVD Disc Menu on the TV screen in play mode and the DVD player's Setup Menu in stop mode.

**13 PLAY:** Begins to play disc (closes disc tray first, if it is open.)

**14 SEARCH (REV):** Allows you to search in reverse through a disc while it is in play mode. Each time you press this button, search speed changes as below:

**DVD:**

R.SEARCH1 → R.SEARCH2 → R.SEARCH3 → R.SEARCH4 → R.SEARCH1 →

**CD:**

R.SEARCH1 → R.SEARCH2 → R.SEARCH3 → R.SEARCH1 →

**15 FWD (SEARCH):** Allows you to search forward through a disc while it is in play mode. Each time you press this button, search speed changes as below:

**DVD:**

F.SEARCH1 → F.SEARCH2 → F.SEARCH3 → F.SEARCH4 → F.SEARCH1 →

**CD:**

F.SEARCH1 → F.SEARCH2 → F.SEARCH3 → F.SEARCH1 →

**16 OPEN/CLOSE:** Press to open or close the disc tray.

**17 PAUSE:** Freezes a picture (with DVD/VCD) and pauses the playback signal (CD) when a disc is playing. Press again for normal playback.

**18 STOP:** Stops playing a disc. When disc is playing, if you press STOP and PLAY, the disc will resume play, i.e. it will start from the same point on the disc where the unit was stopped. If you press STOP twice and PLAY button, disc will start play from the beginning.

**19 PREV./NEXT:** Allows you to move to the previous chapter or track / the next chapter or track on a disc.

**20 SLOW:** Allows you to play movie in slow mode. Each time you press this button, slow speed will be changed as below;

F.SLOW 1/16 → F.SLOW 1/8 → F.SLOW 1/4 → F.SLOW 1/2 → F.SLOW 1/16

R.SLOW 1/16 → R.SLOW 1/8 → R.SLOW 1/4 → R.SLOW 1/2 → R.SLOW 1/16

**21 RANDOM:** Press for RANDOM playback in random order.

**22 STEP(REV/FWD):** Freeze a picture when a disc is playing. Also the picture advances frame by frame each time this button is pressed.

**23 NUMBER (0~9):** Select numbers by pressing these buttons.

**24 PROG:** Press to see Program Edit Display on the screen when in STOP mode.

**25 CHECK:** Press during playback to check the program status on VFD (front display). Press during stop mode for program edit on VFD. Escape from this display by pressing "RETURN".

**26 CLEAR:** Press to remove Banner menu from the screen or programmed tracks/chapters from the Program Edit Display.

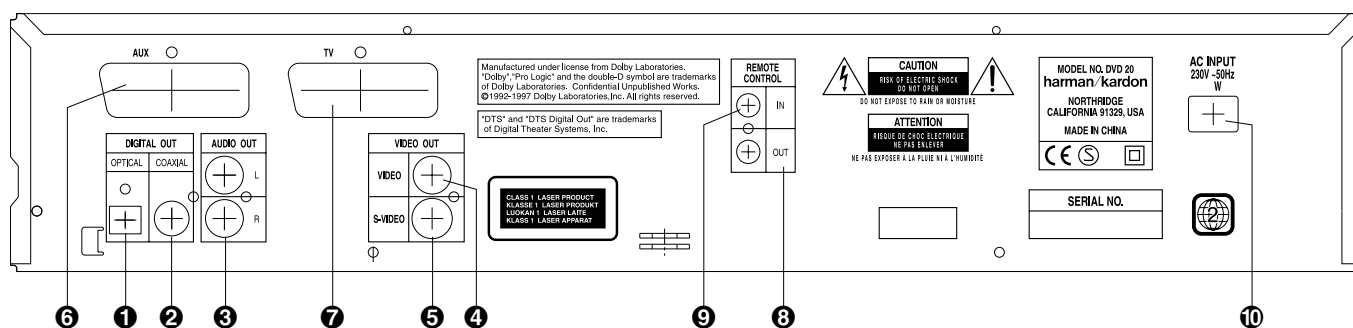
**27 LIGHT:** Press to illuminate remote controller.

**28 REPEAT:** Press to go to the Repeat menu. You can repeat a chapter, track or the entire disc.

**29 A-B:** Press to select section A-B and to play repeatedly.

**30 ZOOM:** When a DVD or VCD is playing, press this button to zoom the picture so that it is enlarged. There are 4 steps to the zoom function, each progressively larger. Press though each of the zoom stages to return to a normal picture.

## Rear Panel Connections



- 1** Optical Digital Output
- 2** Coaxial Digital Output
- 3** Analog Audio Outputs
- 4** Composite Video Output

- 5** S-Video Output
- 6** SCART Input
- 7** SCART TV Output
- 8** Remote Control Output

- 9** Remote Control Input
- 10** AC Power Cord

**1 Optical Digital Output:** Connect this jack to the optical digital input of an A/V receiver or surround processor for Dolby Digital, DTS or PCM audio playback.

**2 Coaxial Digital Output:** Connect this jack to the coaxial digital input of an A/V receiver or surround processor for Dolby Digital, DTS or PCM audio playback.

**NOTE:** The coaxial digital output should only be connected to a digital input. Even though it is the same RCA-type connector as standard analog audio connections, DO NOT connect it to a conventional analog input jack.

**3 Analog Audio Outputs:** Connect these jacks to an audio input on an A/V receiver or surround processor for analog audio playback.

**4 Composite Video Output:** Connect this jack to the video input on a television or video projector, or to a video input on an A/V receiver or processor if you are using that type of device for video input switching.

**5 S-Video Output:** Connect this jack to the S-Video input on a television or video projector, or to an S-Video input on an A/V receiver or processor if you are using that type of device for S-Video input switching.

**6 SCART IN (AUX):** If an external playback unit has a SCART socket, you can connect a SCART cable to it and to your DVD Player. The SCART cable carries both audio and video signals of the external unit. These signals will be routed through the SCART connector of the DVD to the TV automatically when the DVD player is turned off (in Standby) and the external unit plays.

**7 SCART OUT (TV):** If your TV has a SCART socket, you can connect a SCART cable to your TV and to your DVD Player for improved video quality. The SCART cable carries both audio and video. You can select Video (composite), S-Video and RGB video for that SCART connector's video output signal (see page 19). Your DVD 20 is equipped with two SCART connectors, one for direct connection to the TV, the second for throughput of VCR (playback only) or any other playback video source to a TV with only one SCART input.

**8 Remote Control Output:** Connect this jack to the infrared (IR) input jack of another compatible Harman Kardon remote controlled product to have the built-in Remote Sensor on the DVD 20 provide IR signals to other compatible products.

**9 Remote Control Input:** Connect the output of a remote infrared sensor, or the remote control output of another compatible Harman Kardon product, to this jack. This will enable the remote control to operate even when the front panel **Remote Sensor** on the DVD 20 is blocked. This jack may also be used with compatible IR remote control-based automation systems.

**10 AC Power Cord:** Connect this plug to an AC outlet. If the outlet is controlled by a switch, make certain that it is in the ON position.

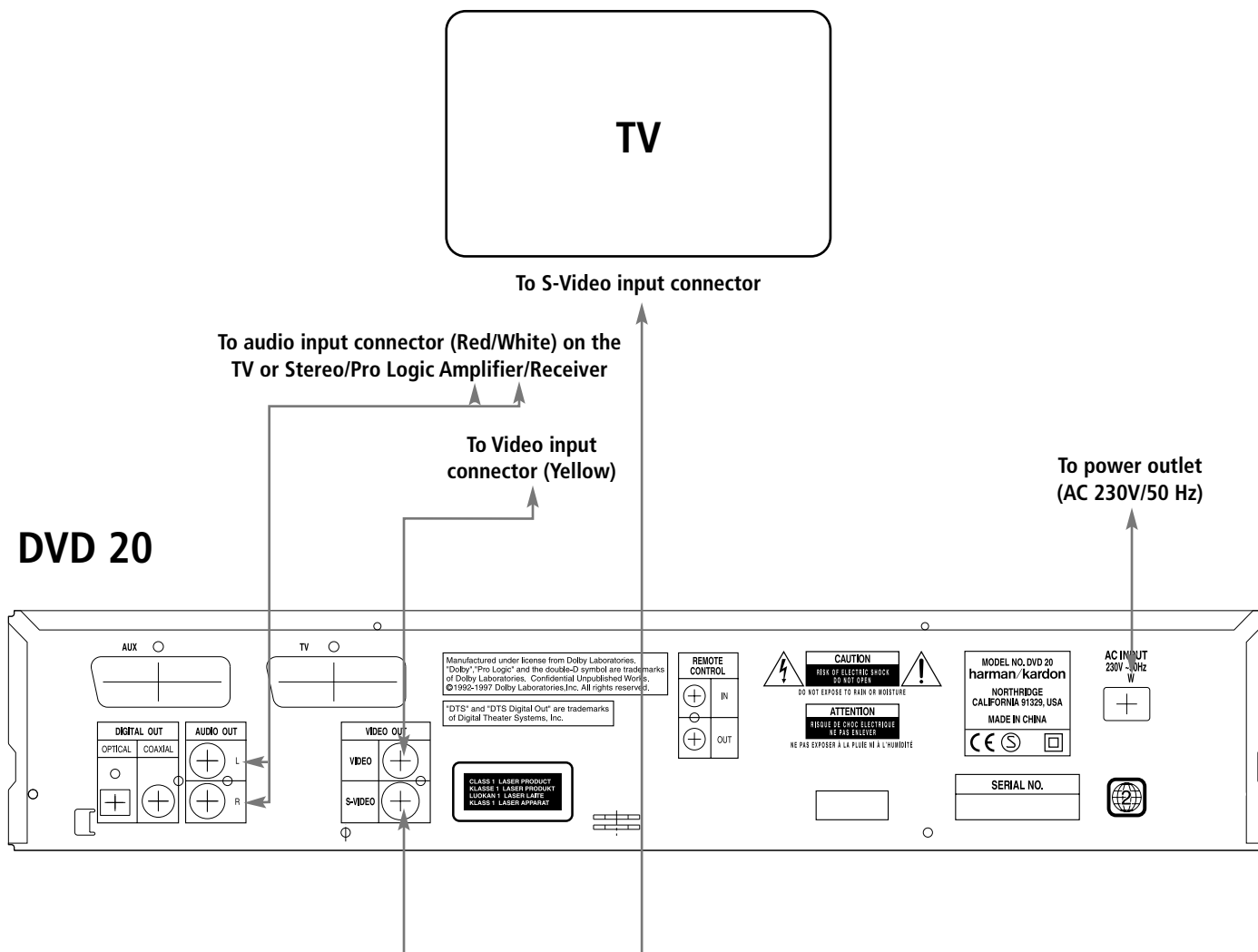
**Note:** You'll find more details about all Audio/Video connections under Setup and Connections on the following pages.



## Setup and Connections

- Ensure that the power switch of this unit and other equipment to be connected is set to off before commencing connection.
- Do not block ventilation holes of any of the equipment and arrange them so that air can circulate freely.
- Read through the instructions before connecting other equipment.
- Ensure that you observe the color coding when connecting audio and video cables.

### Connecting to a stereo TV and stereo or Pro Logic Amplifier/Receiver



#### Notes:

- The Video output (yellow) combines the complete video signal (composite) and sends it to the TV (or to the AV Receiver) by one line only. Use the Video output, when your TV set is equipped with a Video input jack only.
- The S (separate) video output connector separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture. Use the S-video cable (optional) when connecting the player to a TV equipped with an S-video input for improved picture clarity. Never connect both outputs, Video and S-Video, to your TV or AV Receiver, only one of them.
- Most European TV's are equipped with SCART connectors rather than with a normal video input (yellow cinch). In that case the SCART connection should be used, providing the audio signal too, (see page 12). Separate analog audio connections to TV are needed only if your TV is connected to the video or S-video output.
- When the audio signal is to be fed to a stereo or Pro Logic amplifier/decoder or receiver rather than to the TV, connect the Audio Out jacks to any normal audio input on your amplifier/decoder/receiver. The DVD 20 will "downmix" Dolby Digital recordings to Pro Logic, available on these connectors, all analog surround or stereo signals will be fed to them directly. You can also select the audio and video signals of all your video devices with your AV Receiver/Amplifier. For more information see "Note" on next page.

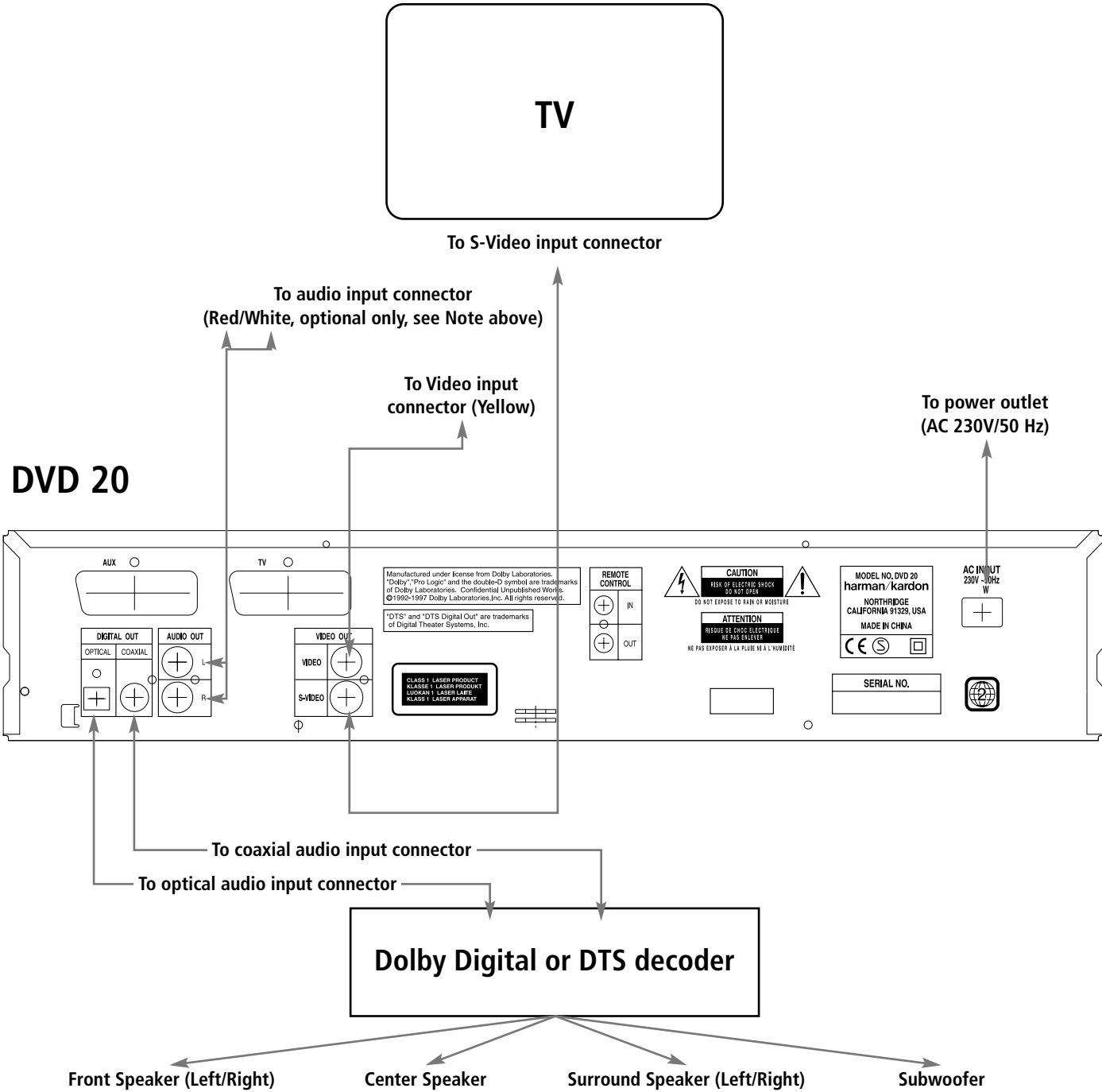
# Setup and Connections

## Connecting to a receiver/amplifier with Dolby Digital (AC-3) or DTS (Digital Theater Systems) decoder

When DVD's encoded in Dolby Digital or DTS are played, the Dolby Digital or DTS bitstream is output from the player's OPTICAL or COAXIAL digital audio output. When the player is connected to a Dolby Digital or DTS decoder, you can enjoy theater-quality audio in your home. An optical digital audio cable or coaxial audio cable (both optional) is required for these connections, as shown below. Only one connection is needed, not both at the same time.

■ **Note:** With multiple video sources, your Audio/Video device can be used for selecting the video signal and routing it to the TV. Connect the video or S-video output of the DVD 20 (whatever is provided with your device) to the video or S-video input on your device and the video/S-video output of this device to your TV. For more details, see the manual of your Audio/Video amplifier/receiver.

■ **Note for Analog Audio:** The connection from Audio Out to the TV is optional only. Normally you'll hear the sound from your AV-system's speakers, so the TV volume should be completely turned down. If you plan to use your DVD20 also without having to turn on your complete system, this connection must exist, then you can turn up the TV's volume as needed.



## Setup and Connections

### Connecting to a TV or monitor with SCART connectors

#### Important Notes on SCART and RGB format:

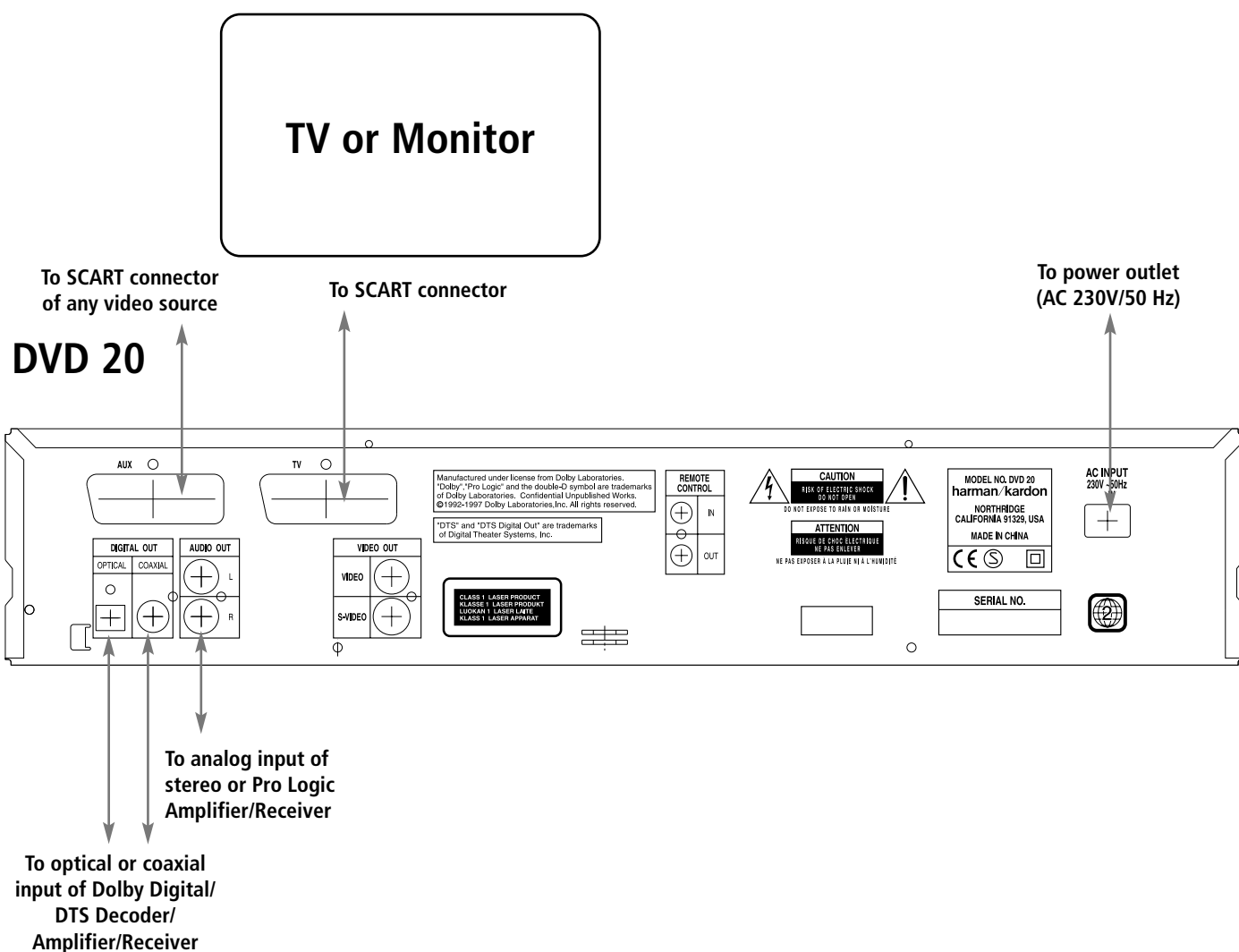
■ Your DVD 20 is equipped with two SCART connectors, one for direct connection to the TV, the second (AUX) for throughput of VCR or any other video source to a TV with only one SCART input. The signal from this video source will be routed through the SCART connector of the DVD to the TV automatically when the unit plays (composite video only) and the DVD 20 is turned off (to Standby, not completely).

■ Both SCART connectors provide the video signal as well as audio (stereo L/R) signals.

■ The SCART connector for the TV provides the composite video signal, the S-Video signal or the direct RGB signal, delivering the best video performance possible, all selectable in the Setup menu. To view RGB video on your TV, the RGB compatible SCART connector on the TV must be used and the DVD 20's TV SCART connector must be set to "RGB" (see page 19).

Note that with RGB video the color intensity cannot be adjusted with most TVs.

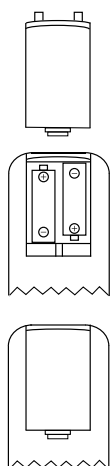
■ When the RGB video signal is used, DVD's recorded with the NTSC format (with regional code 0 or 2) can be viewed even on non-NTSC compatible TVs.



# Remote Control and Headphones

## Battery installation

Insert the batteries supplied while observing the correct (+) and (–) polarities.



## Service life of batteries

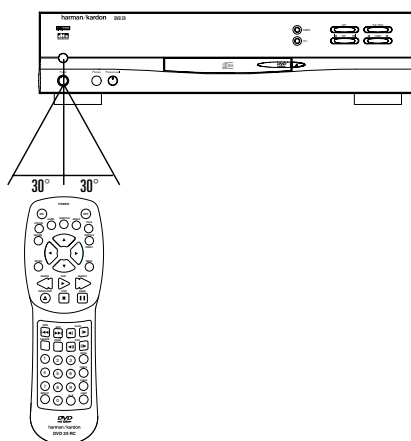
- The batteries normally last for about one year, although this depends on how often, and for what operations, the remote control is used.
- If the remote control unit fails to work even when it is operated near the player, replace the batteries.
- Use size “AA” batteries.

### Notes:

- Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into fire.
- Do not drop, step on or otherwise impact the remote control unit. This may damage the parts or lead to malfunction.
- Do not mix old and new batteries.
- Wipe away any leakage inside the remote control unit, and install new batteries.
- If leakage should come into contact with parts of your body, wash it off thoroughly with water.
- Batteries contain chemical substances and we recommend that you dispose of them properly and in compliance with any local regulations. Do not simply throw them away but return to your dealer or special battery disposal centers.

## Remote control operation range

Point the remote control unit from no more than about 7 m from the remote control sensor and within about 60 degrees of the front of the unit.



- The operating distance may vary according to the brightness of the room.

### Notes:

- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

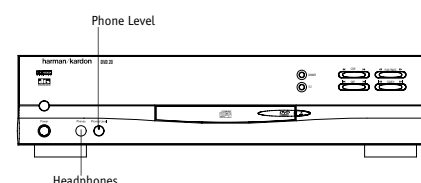
## Connecting headphones

1. Connect the headphones.

- Headphones with a 6.3 mm stereo plug can be connected.

2. Adjust the volume.

**Caution:** Avoid listening to sound at levels which may be harmful to your ears.



# Digital Audio Connections

## Notes when connecting the optical digital audio cable (optional)

- Remove the dust protection cap from the optical digital audio output and connect the cable firmly so that the configurations of both the cable and the connector match.
- Keep the dust protection cap and always reattach the cap when not using the connector.

## Audio output from the unit's optical/coaxial digital audio output connector

Disc:	Sound recording format:	Optical/Coaxial digital audio output
DVD	Dolby Digital (AC-3)	Dolby Digital bitstream (2-5.1 ch) or PCM (2 ch, 48 KHz/16bit) * <sup>1</sup>
	Linear PCM (48/96 kHz 16/20/24bit)	Linear PCM (2 ch) (48/96 kHz 16/20/24bit)
	DTS	Bitstream or no output * <sup>2</sup>
CD	Linear PCM	Linear PCM (44.1 kHz sampling)

\*<sup>1</sup> Digital Audio Output (see page 21) selected "Dolby Digital" or "PCM".

\*<sup>2</sup> Digital Audio Output selected "DTS" or other (see page 21).

## For your reference:

- Dolby Digital (AC-3) is a digital sound compression technique developed by the Dolby Laboratories Licensing Corporation, supporting 5.1-channel surround sound, as well as stereo (2-channel) sound, this technique enables a large quantity of sound data to be efficiently recorded on a disc.
- Linear PCM is a signal recording format used in CDs. While CDs are recorded in 44.1 kHz/16 bit, DVDs are recorded in 48 kHz/16 bit up to 96 kHz /24 bit.
- If you have a Dolby Pro Logic Surround decoder connected to the DVD 20's analog AUDIO OUT connectors, thanks to the "Downmix" function of the DVD 20 you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles encoded with Dolby Surround.

## Caution for the optical/coaxial digital audio outputs:

- When connecting an amplifier (with an optical/coaxial digital input ) which does not contain a Dolby Digital (AC-3) or DTS decoder, be sure to select "PCM" as initial setting in the "Digital Audio Output" menu (see also page 21). Otherwise, any attempt to play DVD may cause such a high level of noise that it may be harmful to your ears and damage your speakers.
- CD's can be played as they would normally be played.

## Notes:

- Some first generation DTS decoders which do not support DVD-DTS interface may not work properly with the DVD/CD player.

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## Dolby Digital and DTS

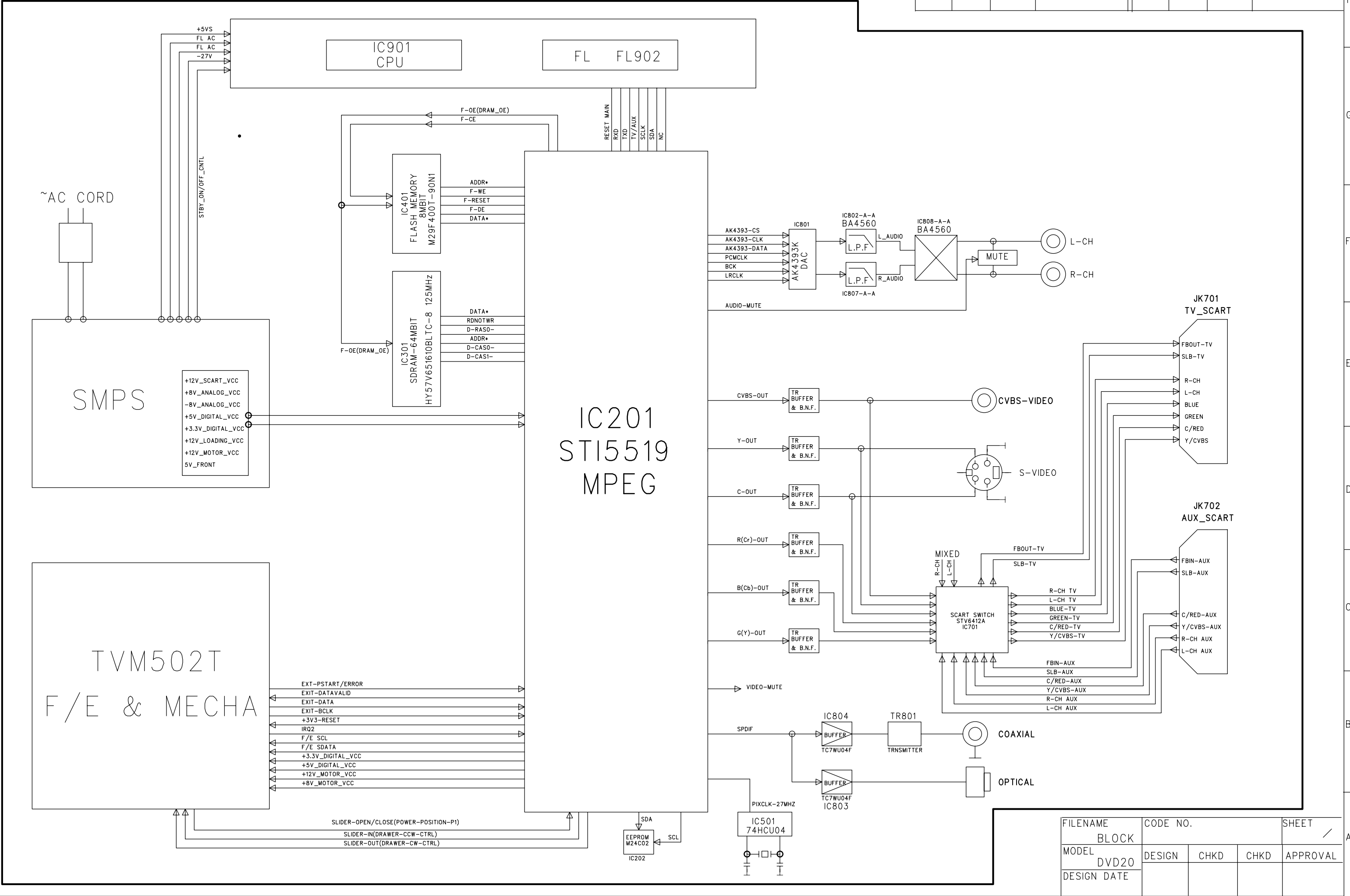
Both Dolby Digital and DTS are audio formats used to record 5.1-channel audio signals onto the digital track of film. Both of these formats provide six separate channels: left, right, center, left rear, right rear, and common subwoofer.

Remember, that Dolby Digital or DTS will only play 5.1-channel sound if you've connected the optical or coaxial output of the DVD 20 to a DTS or Dolby Digital receiver or decoder (see page 11) and if the disc was recorded in the Dolby Digital or DTS format.

Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation. DTS is a registered trademark of Digital Theater Systems.

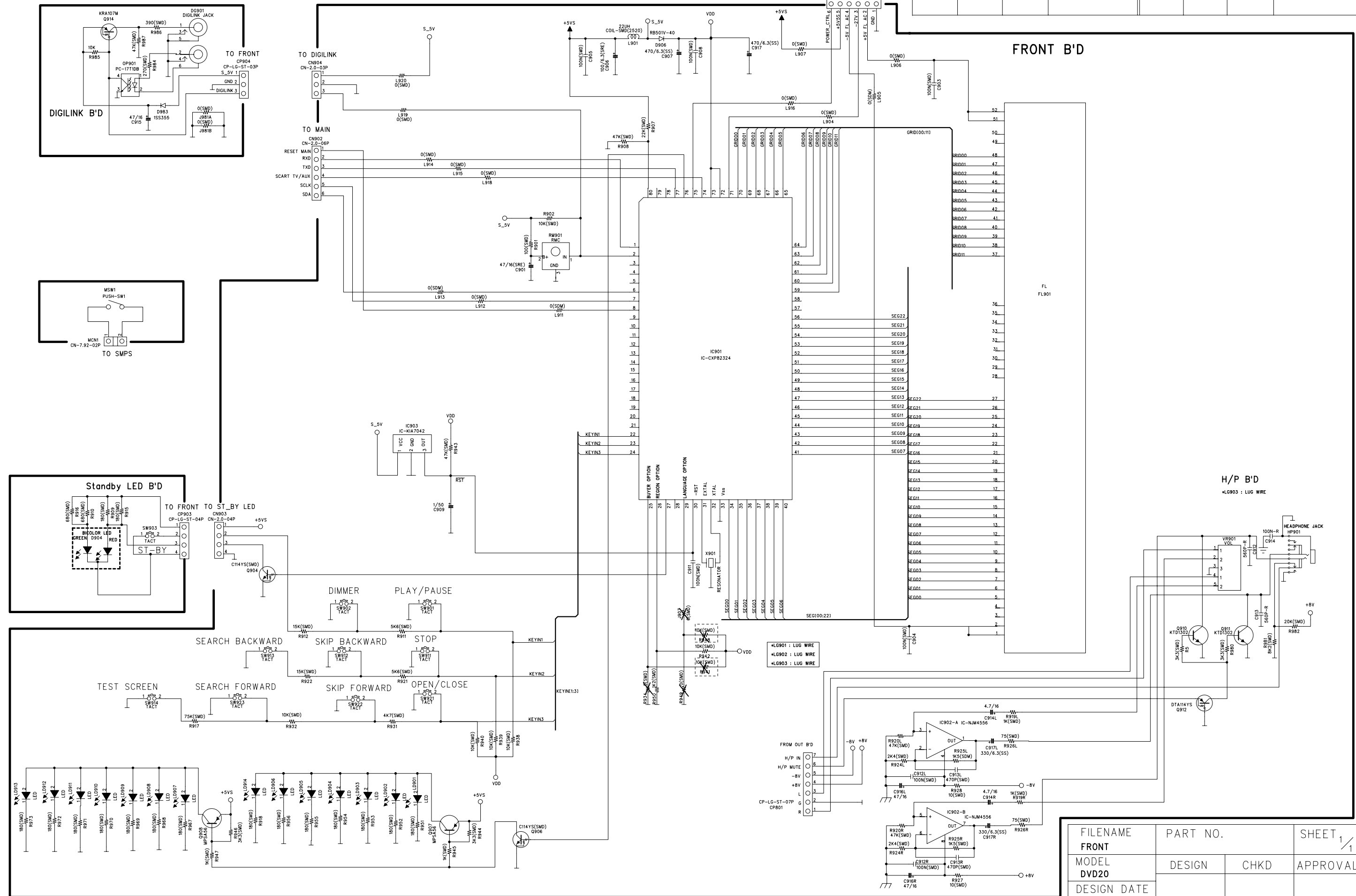
DVD20 BLOCK DIAGRAM

NO	DATE	POS.	CONTENTS	NO	DATE	POS.	CONTENTS



FILENAME	BLOCK	CODE NO.	SHEET
MODEL	DVD20	DESIGN	CHKD
DESIGN DATE			

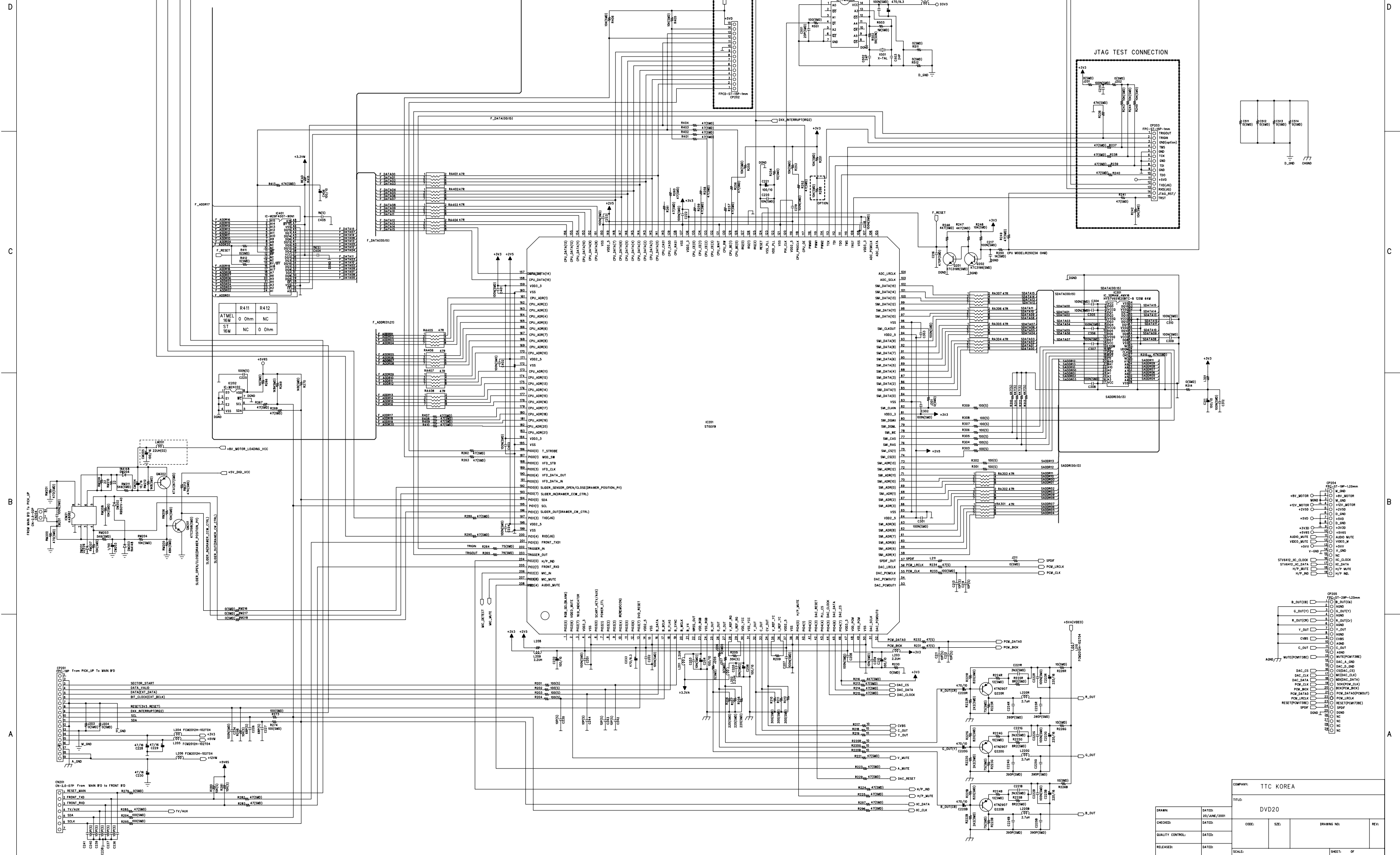
FRONT B'D



FILENAME FRONT	PART NO.		SHEET 1/1
MODEL DVD20	DESIGN	CHKD	APPROVAL
DESIGN DATE 16/JAN/2001			

# DVD20 SCHEMATIC DIAGRAM

REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE



COMPANY: TTC KOREA	
TITLE: DVD20	
DRAWN: 20/04/2001	DATE: 20/04/2001
CHECKED: 20/04/2001	DATE: 20/04/2001
QUALITY CONTROL: 20/04/2001	DATE: 20/04/2001
RELEASED: 20/04/2001	DATE: 20/04/2001
CODE:	SIZE:
DRAWING NO:	REV:
SCALE:	SHEET:  OF



# DVD20 REAR SCHEMATIC DIAGRAM

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

D

D

C

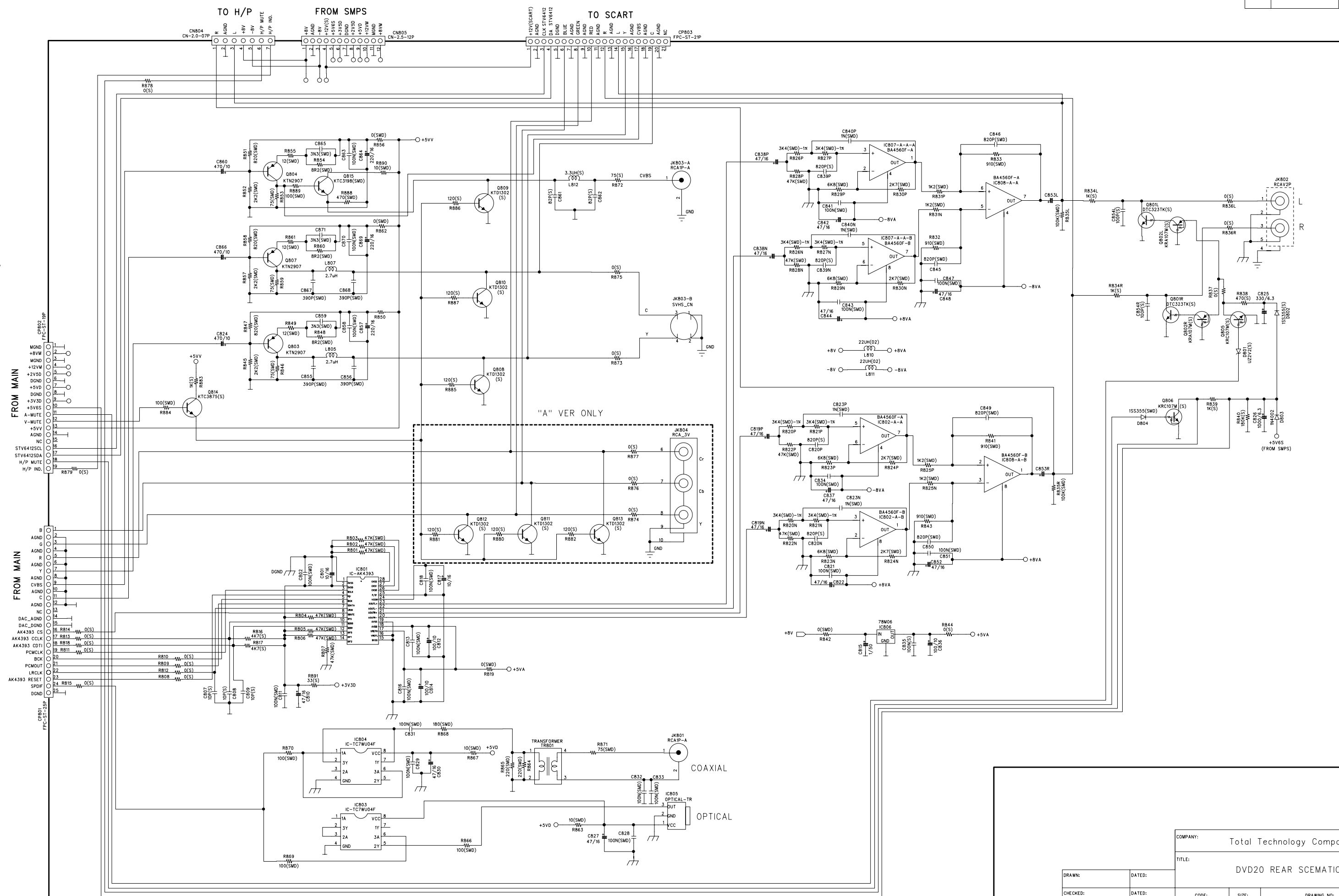
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B

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A

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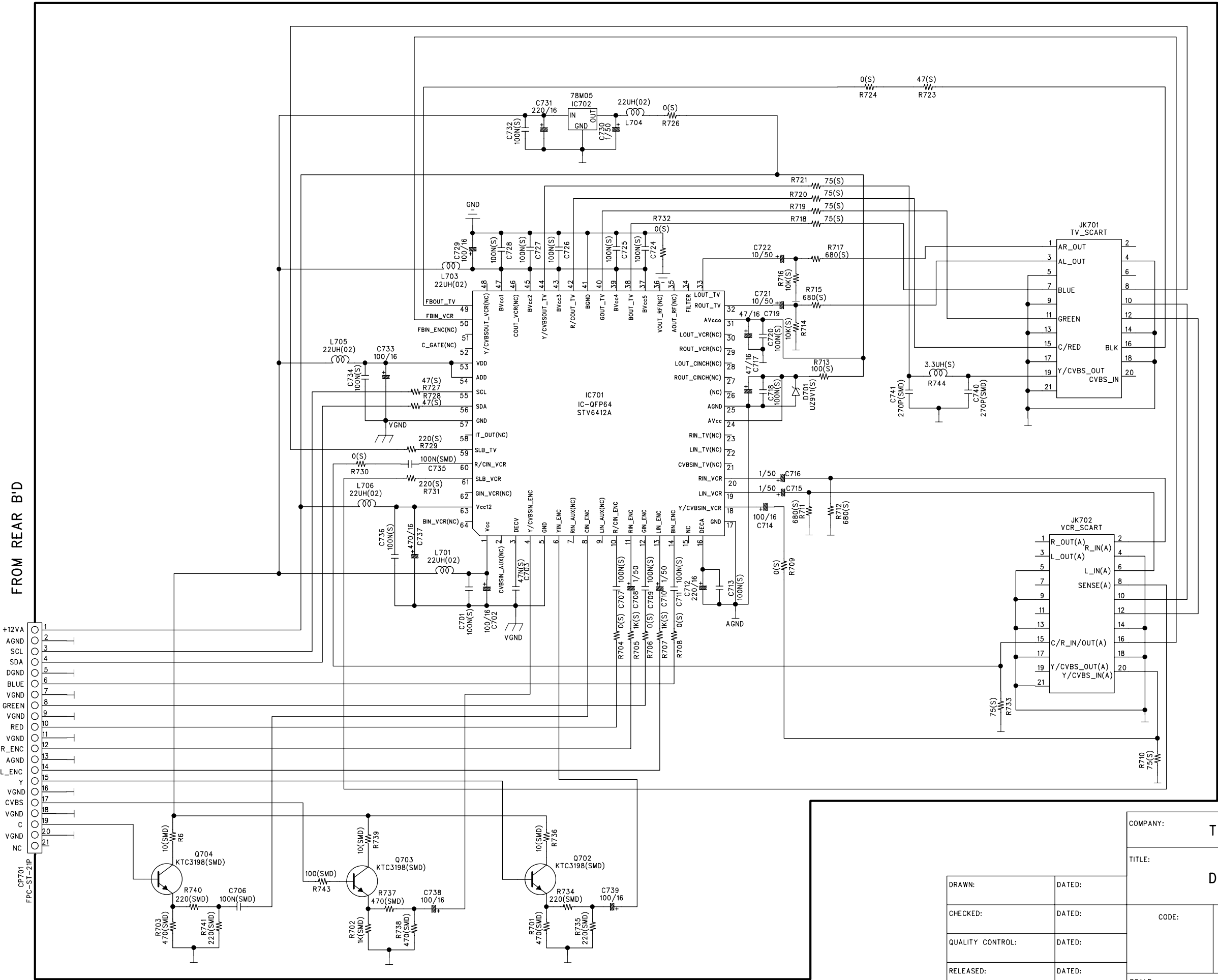


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TITLE: DVD20 REAR SCHEMATICS			
CODE:	SIZE:	DRAWING NO:	REV:
SCALE:		SHEET: OF	

DRAWN:	DATED:
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:

DVD20 SCART SCHEMATIC DIAGRAM

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



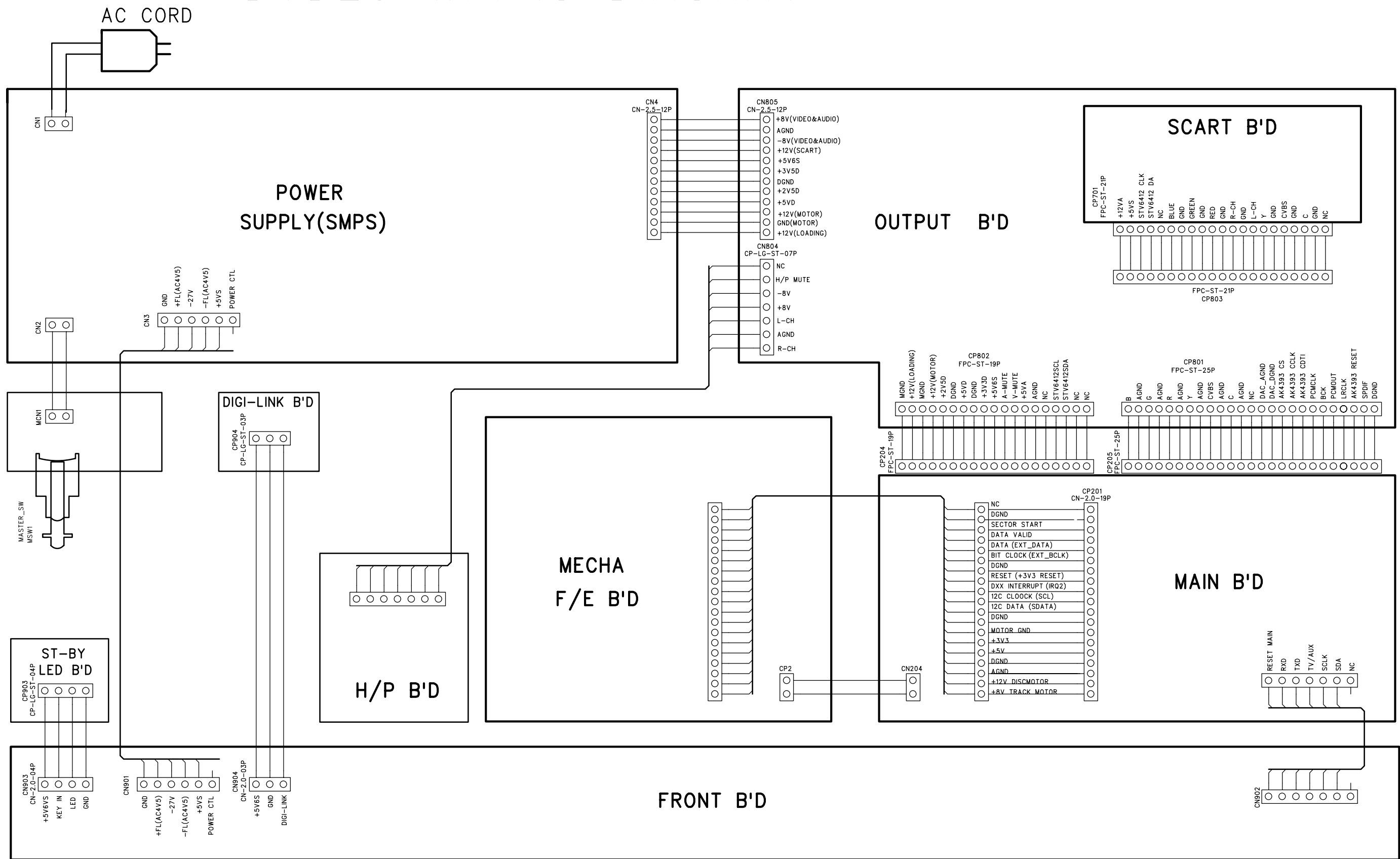
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SCALE:		SHEET: OF		

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CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



DVD20 WIRING DIAGRAM



CONFIDENTIAL/CONTROL COPY				
FILENAME	CODE NO.			SHEET
WIRING				1 / 1
MODEL	DESIGN	CHKD	CHKD	APPROVAL
DVD20				
DESIGN DATE				

# DVD20 B'D and Components Parts List

PL DWG NO.: 4KTDVD20  
PL TITLE : DVD20 MECH PL  
ISSUE DATE: 01-04-01  
ISSUED BY : CHICK PETER  
\* = CRITICAL ITEM

PAGE: 1  
REV NO: 03  
REVISE DATE: 03-16-01  
PRINT DATE: 03-28-01  
< GROUP NO. / QUANTITY >

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E	'020	JP000019001A	DVD20 PKG PL	PC	1.00000	M	F0101	1
E	'021	JE000247001A	DVD20 MAINBD ASM	PC	1.00000	M	F0101	1
E	'022	JE000251001A	DVD20 FRONTBD ASM	PC	1.00000	M	F0101	1
E	'023	JE000255001A	DVD20 OUTBD ASM	PC	1.00000	M	F0101	1
E	'024	JE000259001A	DVD20 SCARTBD ASM	PC	1.00000	M	F0101	1
12	0050	J85000031000	PANEL FRONT DVD20	PC	1.00000	M	F0101	1
12	0060	J85200149000	BUTTON DIMMER	PC	1.00000	M	F0101	1
12	0070	J85200150000	BUTTON PLAY	PC	1.00000	M	F0101	1
12	0080	J85200151000	BUTTON OPEN/CLOSE	PC	1.00000	M	F0701	01 1
12	0090	J85200049000	BUTTON POWER HIPS	PC	1.00000	M	F0101	1
12	0100	J85820003000	SHAFT POWR SWITCH	PC	1.00000	M	F0101	1
12	0110	J85200052000	BUTTON STANDBY	PC	1.00000	M	F0101	1
12	0120	J85400019000	INDICATOR STANDBY	PC	1.00000	M	F0101	1
12	0130	J85600008000	DOOR TRAY	PC	1.00000	M	F0101	1
	0140	J85940017000	DIFFUSER	PC	1.00000	B	F0101	1
	0150	J05500011000	FILTER VFD	PC	1.00000	B	F1101	02 1
	0160	J85300034000	WINDOW DISPLAY(WIT	PC	1.00000	B	F0701	01 1
12	0170	J85900501000	FOOT-ASS'Y	PC	1.00000	M	F1101	03 4
	0175	J85900503000	FOOT-RUBBER	PC	1.00000	B	F1101	02 4
	0180	J60000005200	CHASSIS MAIN DV502	PC	1.00000	B	F0101	1
	0190	J60100012000	COVER TOP BLACK	PC	1.00000	B	F0101	1
	0210	J60110015000	PANEL REAR DVD20	PC	1.00000	B	F0101	1
	0220	J60300055000	BKT SCART PCB	PC	1.00000	B	F0101	1
	0230	J43731100000	CORD POWER EU 2.5A	PC	1.00000	B	F0101	1
	0240	10660770XX	mecha assy Pick-Up + PCB		1.00000	B	F0101	1
	0250	J4090010130X	Power supply B'D ASSY		00000	B	F0101	1
	0260	55125180XX	AC MLD CLAMP AC CO	PC	1.00000	B	F0101	1
	0270	J85820001100	SPACER PCB	PC	1.00000	B	F1101	02 3
	0280	J70800000900	STUD 6*36.4	PC	1.00000	B	F0701	01 1
	0290	J5636130080X	SCREW	PC	1.00000	B	F1101	02 34
	0300	55127070XX	SCREW-ST 3MM 10MM	PC	1.00000	B	F1101	02 6
	0310	55127090XX	SCREW-ST 4MM 8MM J	PC	1.00000	B	F0101	2
	0320	55127290XX	SCREW-ST 3MM 18MM	PC	1.00000	B	F1101	02 3
	0330	J81000300810	SCREW BM3*6Y	PC	1.00000	B	F1101	02 3
	0340	55135460XX	SCREW-SPEC 3MM 10M	PC	1.00000	B	F0101	7
	0360	20932870XX	AC PRI LABEL QC CH	PC	1.00000	B	F0101	1
	0370	J6171140010X	WIRE TIE NYLON6	PC	1.00000	B	F1101	02 2
12	0380	J85100011000	KNOB LEVEL	PC	1.00000	M	F1101	03 1

PL DWG NO.: 55102460  
PL TITLE : BCL 0.5MM TIN ANNEAL  
ISSUE DATE: 02 06 00  
ISSUED BY : SYSTEM GENER  
\* = CRITICAL ITEM

PAGE: 1  
REV NO: 00  
REVISE DATE: 09-06-00  
PRINT DATE: 03-28-01  
< GROUP NO. / QUANTITY >

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PL DWG NO.: 4KTDVD20L12  
 PL TITLE : DVD20 MECH PL  
 ISSUE DATE: 03-26-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

PAGE: 1  
 REV NO: 00  
 REVISE DATE: 03-26-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

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13	00501	J8500003100M	PANEL FRONT RAW	PC	1.00000	M	F1301		1
	00502	D01865XXXXXX	PAINT BLACK	LI	.01200	B	F1301		1
	00503	6600287XXXXX	INK SILK GOLD	KG	.00010	B	F1301		1
	00504	20865460XX	DILUTION THINNER G	LI	.01800	B	F1301		1
	00505	20289980XX	DILUTION IPI-783 3	LI	.00020	B	F1301		1
	0380	J85100011000	KNOB LEVEL	PC			F1301		
13	03801	J8510001100M	RAW KNOB LEVEL	PC	1.00000	M	F1301		1
	03802	D01865XXXXXX	PAINT BLACK	LI	.00050	B	F1301		1
	03803	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0090	J85200049000	BUTTON POWER HIPS	PC			F1301		
13	00901	J8520004900M	RAW BUTTON POWER H	PC	1.00000	M	F1301		1
	00902	D01865XXXXXX	PAINT BLACK	LI	.00050	B	F1301		1
	00903	6600289XXXXX	INK SILK RED	KG	.00002	B	F1301		1
	00904	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	00905	20289980XX	DILUTION IPI-783 3	LI	.00004	B	F1301		1
	00906	R85000010000	A/W DWG NO	PC			F1301		X
	0110	J85200052000	BUTTON STANDBY	PC			F1301		
13	01101	J8520005200M	RAW BUTTON STANDBY	PC	1.00000	M	F1301		1
	01102	D01865XXXXXX	PAINT BLACK	LI	.00050	B	F1301		1
	01103	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0060	J85200149000	BUTTON DIMMER	PC			F1301		
13	00601	J8520014900M	BTN DIMMER RAW	PC	1.00000	M	F1301		1
	00602	AVR7000FP105	PAINT CHAMPAGNE LI	LI	.00050	B	F1301		1
	00603	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0070	J85200150000	BUTTON PLAY	PC			F1301		
13	00701	J8520015000M	BTN PLAY RAW	PC	1.00000	M	F1301		1
	00702	D01865XXXXXX	PAINT BLACK	LI	.00050	B	F1301		1
	00703	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0080	J85200151000	BUTTON OPEN/CLOSE	PC			F1301		
13	00801	J8520015100M	BTN O/C RAW	PC	1.00000	M	F1301		1
	00802	AVR7000FP105	PAINT CHAMPAGNE LI	LI	.00050	B	F1301		1
	00803	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0120	J85400019000	INDICATOR STANDBY	PC			F1301		
	01201	55006550XX	GRANULES SAN SAN T	KG	.00190	B	F1301		1
	0130	J85600008000	DOOR TRAY	PC			F1301		
13	01301	J8560000800M	DOOR TRAY RAW	PC	1.00000	M	F1301		1
	01302	AVR7000FP105	PAINT CHAMPAGNE LI	LI	.00200	B	F1301		1
	01303	20865460XX	DILUTION THINNER G	LI	.00090	B	F1301		1
	0100	J85820003000	SHAFT POWR SWITCH	PC			F1301		
	01001	20290570XX	GRANULES PS ATOCHE	KG	.01500	B	F1301		1
	0170	J85900501000	FOOT-ASS'Y	PC			F1301		
13	01701	J5283003020M	FOOT-MOLD RAW	PC	1.00000	M	F1301		1
	01702	AP82447619AL	STAMPING FOIL	SM	.00760	B	F1301		1

PL DWG NO.: 4KTDVD20L13  
 PL TITLE : DVD20 MECH PL  
 ISSUE DATE: 03-26-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

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 REVISE DATE: 03-26-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

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	0170	J5283003020M	FOOT-MOLD RAW	PC			F1301		
	01701	55015960XX	GRANULES ABS TORAY	KG	.01400	B	F1301		1
	0050	J8500003100M	PANEL FRONT RAW	PC			F1301		
	00501	JDVD5ATO811X	ATO 811 BLACK	KG	.21900	B	F1301		1
	0380	J8510001100M	RAW KNOB LEVEL	PC			F1301		
	03801	20290570XX	GRANULES PS ATOCHE	KG	.00120	B	F1301		1
	0090	J8520004900M	RAW BUTTON POWER H	PC			F1301		
	00901	20290570XX	GRANULES PS ATOCHE	KG	.00140	B	F1301		1

0110	J8520005200M	RAW BUTTON STANDBY	PC			F1301	
01102	20290570XX	GRANULES PS ATOCHE	KG	.00210	B	F1301	1
0060	J8520014900M	BTN DIMMER RAW	PC			F1301	
00601	JAVRC00000001	SHALLOW GREEN RAW	KG	.00300	B	F1301	1
0070	J8520015000M	BTN PLAY RAW	PC			F1301	
00701	JAVRC00000001	SHALLOW GREEN RAW	KG	.00900	B	F1301	1
0080	J8520015100M	BTN O/C RAW	PC			F1301	
00801	JAVRC00000001	SHALLOW GREEN RAW	KG	.00450	B	F1301	1
0130	J8560000R000	DOOR TRAY RAW	PC			F1301	
01301	JAVRC00000001	SHALLOW GREEN RAW	KG	.01300	B	F1301	1

PL DWG NO.: JP000019  
 PL TITLE : DVD20 PKG PL  
 ISSUE DATE: 01-04-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

PAGE: 1  
 REV NO: 01  
 REVISE DATE: 02-14-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	PL 00 REV 1A
	#001	JP000019001A	DVD20 PKG PL	PC			F0101	A
	0050	J96000038000	MASTER CARTON DVD20	PC	1.00000	B	F0101	1
	0060	J97200041000	CUSHION SIDE R	PC	1.00000	B	F0101	1
	0070	J97200042000	CUSHION SIDE L	PC	1.00000	B	F0101	1
	0080	J54000000502	ASS'Y REMOCON DVD2	PC	1.00000	B	F0101	1
	0090	21004090XX	BATNCMAG 1.5V AA 6	PR	1.00000	B	F0101	1
	0100	J90200007300	MANUAL DVD20	PC	1.00000	B	F0101	1
	0110	J90300002000	CARD-WARRANTY PAPE	PC	1.00000	B	F0101	1
	0120	J97100506000	CARD-POST	PC	1.00000	B	F0101	1
	0130	J97100507100	SAFETY LEAF	PC	1.00000	B	F0101	1
	0140	J970000501000	POLY BAG PE T0.05	PC	1.00000	B	F0101	2
	0150	J90400011200	LBL-BARCODE DVD20	PC	1.00000	B	F0101	1
	0160	J97100502000	LABEL-DATE	PC	1.00000	B	F0101	1
	0170	J90400012200	LBL S/N DVD20 EU	PC	1.00000	B	F0101	1
	0180	J94330001000	CORD RCA 3P1500 JW	PC	1.00000	B	F0101	1
	0190	J94310002000	CORD DIN 1P 1500 J	PC	1.00000	B	F0101	1
	0200	J94310004000	MONO PLUG 1P JW-81	PC	1.00000	B	F0101	1
	0210	J90300007000	LABEL "PLEASE"	PC	1.00000	B	F0101	1
	0220	20715540XX	AC CPL BAG PE CRKD	PC	1.00000	B	F0101	1
	0230	20932750XX	AC CPL BAG PE 250M	PC	1.00000	B	F0101	1
	0240	20194780XX	CABLE-FIX CABLE-TI	PC	1.00000	B	F0101	1
	0250	J970000502000	SHEET PE T0.5	PC	1.00000	B	F0101	1
	0260	J90400013000	LABEL MADE IN CHIN	PC	1.00000	B	F0101	1
	0270	J97300004000	CUSHION PAD SQR35*	PC	1.00000	B	F0701	01 1

PL DWG NO.: JE000247  
 PL TITLE : DVD20 MAINBD ASM  
 ISSUE DATE: 01-04-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

PAGE: 1  
 REV NO: 03  
 REVISE DATE: 03-20-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	PL 00 REV 1A
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E	'020	JE000248001A	MNBD APP DVD20	PC	1.00000	M	F0101	1
	'030	285A11150001	SOLDER BAR	KG	.03000	B	F0101	1
	'031	15481260XX	SLDC FLUX LRES FOA	LI	.03000	B	F0101	1
	'032	285A11150011	SOLDER WIRE 40-60	KG	.00500	B	F0101	1
	CC201	J4112191201X	FPC CABLE 19P 120M	PC	1.00000	B	F1101	02 1
	CN201	J4420030640X	CNT PLUG 2.0 6P ST	PC	1.00000	B	F0701	01 1
	CN204	J4420040271X	CNT PLUG 2P 2.5 JS	PC	1.00000	B	F1201	03 1
	CP201	55124600XX	CONN 1.25MM 19 FE	PC	1.00000	B	F0101	1
	CP202	J4422001527X	FPC ST 1.0 15P	PC	1.00000	B	F0701	01 1
	CP203	J4422001527X	FPC ST 1.0 15P	PC	1.00000	B	F0701	01 1
	CP204	J4422011941X	FPC PLUG 19P ST 1.	PC	1.00000	B	F0701	01 1
	CP205	J4422012541X	FPC PLUG 25P ST 1.	PC	1.00000	B	F0701	01 1
	ICM21	J2113232001X	IC FAN8082(KA8082)	PC	1.00000	B	F0101	1
	X501	55128980NR	FILQZ 27M0 HZ +15	PC	1.00000	B	F0101	1

PL DWG NO.: JE000251  
 PL TITLE : DVD20 FRONTBD ASM  
 ISSUE DATE: 01 04 01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

PAGE: 1  
 REV NO: 03  
 REVISE DATE: 03 20 01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

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E	'020	JE000252001A	FRONTBD APP DVD20	PC	1.00000	M	F0101		1
	'030	285A11150001	SOLDER BAR	KG	.03000	B	F0101		1
	'031	15481260XX	SLDC FLUX LRES FOA	LI	.03000	B	F0101		1
	'032	285A11150011	SOLDER WIRE 40-60	KG	.00500	B	F0101		1
	'050	J67300010000	SPONGE FL	PC	1.00000	B	F0101		1
	'060	J67300009000	SPONGE FL	PC	1.00000	B	F0101		1
	'070	J60300024000	BKT PHONE	PC	1.00000	B	F0701	01	1
	CN901	J4300200104X	CNT ASSY 6P 300MM	PC	1.00000	B	F0701	01	1
	CN902	J4300200107X	CNT ASSY 6P 80MM 2	PC	1.00000	B	F1101	02	1
	CN903	J4304025005X	CNT 4P 100MM 2.0MM	PC	1.00000	B	F0101		1
	CN904	J4300200102X	CNT ASSY 3P 420MM	PC	1.00000	B	F0701	01	1
	CN905	J4300200105X	CNT ASSY 7P 380MM	PC	1.00000	B	F1101	02	1
	CP904	55090080XX	CONN 2.0MM 3 MA ST	PC	1.00000	B	F0101		1
	DG901	J44320000005	JACK REMOTEIH 3.5*	PC	1.00000	B	F0101		1
	D904	J2302310012X	LED RED/GREEN 5	PC	1.00000	B	F0101		1
	FIG90	J65540001200	SPRING FINGER	PC	1.00000	B	F0101		1
	FIG92	J65540001200	SPRING FINGER	PC	1.00000	B	F0101		1
	FL901	J2350120010X	VFD HNV-12SM05 SAM	PC	1.00000	B	F0101		1
	HP901	J44329000102	JACK MIC 9P GOLD	PC	1.00000	B	F0101		1
	IC901	55140830NR	IC-MICROCONT CXP82	PC	1.00000	B	F1101	02	1
	LD901	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD902	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD903	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD904	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD905	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD906	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD907	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD908	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD909	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD910	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD911	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD912	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD913	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F0101		1
	LD914	J2301213022X	LED GN LTL1CHGEC 3	PC	1.00000	B	F1101	02	1
	LG901	J4141000500X	LUG 1P 18# 50MM	PC	1.00000	B	F1101	02	1
	LG902	J4141001200X	LUG 1P 18# 120MM B	PC	1.00000	B	F0101		1
	LG903	J4141001200X	LUG 1P 18# 120MM B	PC	1.00000	B	F1201	03	1
	MCN1	J4300200108X	CNT ASSY 2P 70MM 7	PC	1.00000	B	F1101	02	1
	MSW1	J46203000101	PWR SW SDDL14700	PC	1.00000	B	F0101		1
	OP901	J2123239002X	IC PHOTOCOUPLER PC	PC	1.00000	B	F0101		1
	RM901	J2411320014X	REM 38KHZ	PC	1.00000	B	F0101		1
	VR901	J32214000401	VOLUM RK09K12A ALP	PC	1.00000	B	F0101		1
	X901	551254488R1		PC	1.00000	B	F0101		1

PL DWG NO.: JE000255  
 PL TITLE : DVD20 OUTBD ASM  
 ISSUE DATE: 01-04-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

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 REV NO: 02  
 REVISE DATE: 03-15-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL 00
	#001	JE000255001A	DVD20 OUTBD ASM	PC			F0101		A
E	'020	JE000256001A	OUTBD APP DVD20	PC	1.00000	M	F0101		1
	'030	285A11150001	SOLDER BAR	KG	.03000	B	F0101		1
	'031	15481260XX	SLDC FLUX LRES FOA	LI	.03000	B	F0101		1
	'032	285A11150011	SOLDER WIRE 40-60	KG	.00500	B	F0101		1
	CC801	J4112250901X	FPC CABLE 25P 90MM	PC	1.00000	B	F0701	01	1
	CC802	J4112190601X	FPC CABLE 19P 60MM	PC	1.00000	B	F0701	01	1



CC803	J4112210901X	FPC CABLE 21P 90MM	PC	1.00000	B	F0701	01	1
CN804	55090060XX	CONN 2.0MM 7 MA ST	PC	1.00000	B	F1101	02	1
CN805	J4300200110X	CNT ASSY 12P 60MM	PC	1.00000	B	F1101	02	1
CP801	55124630XX	CONN 1.25MM 25 FE	PC	1.00000	B	F0101		1
CP802	55124600XX	CONN 1.25MM 19 FE	PC	1.00000	B	F0101		1
CP803	55124610XX	CONN 1.25MM 21 FE	PC	1.00000	B	F0101		1
D803	2041506016	D-SR 1N4004 400.0V	PC	1.00000	B	F0101		1
IC005	J2123029001X	FIBER OPT GP1F32T	PC	1.00000	B	F0101		1
IC806	20361320NR	IC-REGPOSEFXD KIA78	PC	1.00000	B	F0701	01	1
JK801	J44301000100	JACK RCA 1P BK GND	PC	1.00000	B	F0701	01	1
JK802	J44302000600	JACK RCA 2P, JE020	PC	1.00000	B	F0101		1
JK803	J44312000100	JACK RCA+S GNDCAF	PC	1.00000	B	F0101		1
TR801	J2831020105X	PULSE TRANS EP-7 2	PC	1.00000	B	F0101		1

PL DWG NO.: JE000259

PL TITLE : DVD20 SCARTBD ASM

ISSUE DATE: 01-04-01

ISSUED BY : CHICK PETER

\* = CRITICAL ITEM

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REV NO: 00

REVISE DATE: 01-04-01

PRINT DATE: 03-28-01

< GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL 00 1A
	#001	JE000259001A	DVD20 SCARTBD ASM	PC			F0101		A
E	'020	JE000260001A	SCABD APP DVD20	PC	1.00000	M	F0101		1
	'030	285A11150001	SOLDER BAR	KG	.03000	B	F0101		1
	'031	15481260XX	SLDC FLUX LRES FOA	LI	.03000	B	F0101		1
	'032	285A11150011	SOLDER WIRE 40-60	KG	.00500	B	F0101		1
	CP701	55124610XX	CONN 1.25MM 21 FE	PC	1.00000	B	F0101		1
	IC702	55123960NR	IC-REGPOSEFXD KIA78	PC	1.00000	B	F0101		1
	JK701	J44372100205	SCART CONNECTOR	PC	1.00000	B	F0101		1
	JK702	J44372100205	SCART CONNECTOR	PC	1.00000	B	F0101		1

PL DWG NO.: JE000248

PL TITLE : DVD20 MAINBD APP

ISSUE DATE: 01-04-01

ISSUED BY : CHICK PETER

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REV NO: 02

REVISE DATE: 03-16-01

PRINT DATE: 03-28-01

< GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL 00 1A
	#001	JE000248001A	MNBD APP DVD20	PC			F0101		A
E	'020	JE000250001A	MNBD SMT DVD20	PC	1.00000	M	F0101		1
	'021	55139010XX	AC PCB MAIN BD DV5	PC	1.00000	B	F0101		1
	CM203	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101		1
	CM204	1500213030	CE 10U0F +20% 16.0	PC	1.00000	B	F0101		1
	CM205	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F0101		1
	C204	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C206	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C210	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C220B	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701	01	1
	C220G	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701	01	1
	C220R	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701	01	1
	C221	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C223B	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101		1
	C223G	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101		1
	C223R	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101		1
	C228	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
	C229	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
	C230	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
	C231	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
	C232	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C233	2026862030	CE 470U0F +20% 6.3	PC	1.00000	B	F1101	02	1
	C311	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101		1
	C406	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0701	01	1
	C505	2026862030	CE 470U0F +20% 6.3	PC	1.00000	B	F1101	02	1
	DM201	2041428016	D-ZENER 1N5232B 5.	PC	1.00000	B	F0101		1
	DM202	J2221510304X	DIODE SCHOTTKY RB4	PC	1.00000	B	F0101		1
	DM203	J043654016	D-SLP 1N4148 100.0	PC	1.00000	B	F0101		1

DM204	7043654016	D-SLP 1N4148 100.0	PC	1.00000	B	F0101	1
Q220B	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1
Q220G	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1
Q220R	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1

PL DWG NO.: JE000250

PL TITLE : DVD20 MAINDD SMT

ISSUE DATE: 01-04-01

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REV NO: 04

REVISE DATE: 03-20-01

PRINT DATE: 03-28-01

< GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL	00
	#001	JE000250001A	MNBD SMT DVD20	PC			F0101			1A
	CM201	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C201	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C202	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C203	1013896091	CCCFMIC 10NOF +10%	PC	1.00000	B	F0101			1
	C205	1013896091	CCCFMIC 10NOF +10%	PC	1.00000	B	F0101			1
	C207	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C208	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C209	1013896091	CCCFMIC 10NOF +10%	PC	1.00000	B	F0101			1
	C211	2050654091	CCCFMIC 10POF +0P5	PC	1.00000	B	F0101			1
	C212	2050654091	CCCFMIC 10POF +0P5	PC	1.00000	B	F0701	01		1
	C213	2050654091	CCCFMIC 10POF +0P5	PC	1.00000	B	F0101			1
	C214	2050654091	CCCFMIC 10POF +0P5	PC	1.00000	B	F0101			1
	C215	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C216	2050668091	CCCFMIC 470POF +5%	PC	1.00000	B	F0101			1
	C217	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C218	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C219	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C220	1013896091	CCCFMIC 10NOF +10%	PC	1.00000	B	F0101			1
	C221B	1013867091	CCCFMIC 3N3F +10%	PC	1.00000	B	F0101			1
	C221G	1013867091	CCCFMIC 3N3F +10%	PC	1.00000	B	F0101			1
	C221R	1013867091	CCCFMIC 3N3F +10%	PC	1.00000	B	F0101			1
	C222	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C222B	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C222G	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C222R	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C223	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C224	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C224B	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C224G	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C224R	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C225	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0701	01		1
	C225B	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C225G	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C225R	2099397091	CCCFMIC 390POF +5%	PC	1.00000	B	F0101			1
	C226	1013734091	CCCFMIC 68POF +10%	PC	1.00000	B	F0101			1
	C227	1013734091	CCCFMIC 68POF +10%	PC	1.00000	B	F0101			1
	C234	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0701	01		1
	C301	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C302	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C303	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C304	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C305	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C306	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C307	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C308	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C309	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C310	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C312	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0701	01		1
	C401	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C402	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C403	2028804091	CCCFMIC 100NOF +80	PC	1.00000	B	F0101			1
	C404	1013855091	CCCFMIC 1NOF +10%	PC	1.00000	B	F0701	01		1
	C405	1013855091	CCCFMIC 1NOF +10%	PC	1.00000	B	F0701	01		1
	C501	1037509091	CCCFMIC 20POF +5%	PC	1.00000	B	F0101			1
	C502	8043650091	CCCFMIC 24POF +5%	PC	1.00000	B	F0101			1

C503	8043650091	CCCFMIN 24P0F +5%	PC	1.00000	B	F0101	1
C504	2028804091	CCCFMIC 100N0F +80	PC	1.00000	B	F0101	1
IC201	55130350NR	IC-VIDEOPROC STI55	PC	1.00000	B	F0101	1
IC202	20940740NR	IC BBFROM M24C02WM	PC	1.00000	B	F0101	1
IC301	J2131003020X	IC SDRAM KS641632D	PC	1.00000	B	F0101	1
IC301	J2131019004X	IC SDRAM HY57V6516	PC	1.00000	B	F0701	01 0
IC401	55136720NR	IC-MEMFLASH M29W80	PC	1.00000	B	F0101	1
IC501	55133310NR	IC-LOGIC M74HCU04M	PC	1.00000	B	F0101	1
J201	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0101	1
J202	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0101	1
J203	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
J204	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
J205	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
J206	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
J207	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
J301	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0101	1
LM201	1403936091	LF-SMD 22U0H +10%	PC	1.00000	B	F0101	1
L201	1404174091	LF-SMD 2U2H +10%	PC	1.00000	B	F0101	1
L202	1404174091	LF-SMD 2U2H +10%	PC	1.00000	B	F0101	1
L203	1404174091	LF-SMD 2U2H +10%	PC	1.00000	B	F0101	1
L204	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
L205	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
L206	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
L207	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
L208	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F1101	03 1
L209	1404174091	LF-SMD 2U2H +10%	PC	1.00000	B	F0101	1
L210	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
L220B	1404175091	LF-SMD 2U7H +10%	PC	1.00000	B	F0101	1
L220G	1404175091	LF-SMD 2U7H +10%	PC	1.00000	B	F0101	1
L220R	1404175091	LF-SMD 2U7H +10%	PC	1.00000	B	F0101	1
L301	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F1101	03 1
L501	5512667050	FBEAD SURFACE MT 1	PC	1.00000	B	F0101	1
QM201	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0101	1
QM202	2097048092	TR-SLPSWA KTA1504Y	PC	1.00000	B	F0101	1
Q201	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0101	1
Q202	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0101	1
RA301	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA302	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA303	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA304	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA305	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA306	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA307	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA401	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA402	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA403	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA404	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA405	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA406	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA407	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RA408	55129820NR	RCA 47R0 OHM +5% 6	PC	1.00000	B	F0101	1
RM201	1013491091	RMGCFMIC 470R0 OHM	PC	1.00000	B	F0101	1
RM202	1013491091	RMGCFMIC 470R0 OHM	PC	1.00000	B	F0101	1
RM203	1013596091	RMGCFMIC 5K6 OHM +	PC	1.00000	B	F0101	1
RM204	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
RM205	1013529091	RMGCFMIC 68K0 OHM	PC	1.00000	B	F0101	1
RM206	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
RM207	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
RM208	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
RM209	1013454091	RMGCFMIC 22R0 OHM	PC	1.00000	B	F0101	1
RM210	1013454091	RMGCFMIC 22R0 OHM	PC	1.00000	B	F0101	1
RM211	1013596091	RMGCFMIC 5K6 OHM +	PC	1.00000	B	F0101	1
RM212	1013584091	RMGCFMIC 1K8 OHM +	PC	1.00000	B	F0101	1
RM213	1013522091	RMGCFMIC 47K0 OHM	PC	1.00000	B	F0101	1
RM216	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
RM217	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
RM218	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
R201	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R202	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R203	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1

R204	1013474091	RMGCFMIC	100R0 OHM	PC	1.00000	B	F1201	04	1
R205	1013516091	RMGCFMIC	30K0 OHM	PC	1.00000	B	F1101	03	1
R206	1013483091	RMGCFMIC	220R0 OHM	PC	1.00000	B	F0701	01	1
R207	1013483091	RMGCFMIC	220R0 OHM	PC	1.00000	B	F0701	01	1
R208	1013483091	RMGCFMIC	220R0 OHM	PC	1.00000	B	F0701	01	1
R209	1013505091	RMGCFMIC	15K0 OHM	PC	1.00000	B	F0701	01	1
R210	1013482091	RMGCFMIC	200R0 OHM	PC	1.00000	B	F1101	03	1
R211	1013482091	RMGCFMIC	200R0 OHM	PC	1.00000	B	F1101	03	1
R212	1013482091	RMGCFMIC	200R0 OHM	PC	1.00000	B	F1101	03	1
R213	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R214	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R215	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R216	1013594091	RMGCFMIC	4K7 OHM +	PC	1.00000	B	F0801	02	1
R217	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R218	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R219	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R220B	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R220G	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R220R	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R221	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R221B	1013498091	RMGCFMIC	820R0 OHM	PC	1.00000	B	F0101		1
R221G	1013498091	RMGCFMIC	820R0 OHM	PC	1.00000	B	F0101		1
R221R	1013498091	RMGCFMIC	820R0 OHM	PC	1.00000	B	F0101		1
R222B	1013586091	RMGCFMIC	2K2 OHM +	PC	1.00000	B	F0101		1
R222G	1013586091	RMGCFMIC	2K2 OHM +	PC	1.00000	B	F0101		1
R222R	1013586091	RMGCFMIC	2K2 OHM +	PC	1.00000	B	F0101		1
R223	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R223B	1013471091	RMGCFMIC	75R0 OHM	PC	1.00000	B	F0101		1
R223G	1013471091	RMGCFMIC	75R0 OHM	PC	1.00000	B	F0101		1
R223R	1013471091	RMGCFMIC	75R0 OHM	PC	1.00000	B	F0101		1
R224	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R224B	1013446091	RMGCFMIC	12R0 OHM	PC	1.00000	B	F0101		1
R224G	1013446091	RMGCFMIC	12R0 OHM	PC	1.00000	B	F0101		1
R224R	1013446091	RMGCFMIC	12R0 OHM	PC	1.00000	B	F0101		1
R225	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R225B	1043498091	RMGCFMIC	8R2 OHM +	PC	1.00000	B	F0101		1
R225G	1043498091	RMGCFMIC	8R2 OHM +	PC	1.00000	B	F0101		1
R225R	1043498091	RMGCFMIC	8R2 OHM +	PC	1.00000	B	F0101		1
R226B	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R226G	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R226R	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R229	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R230	1032875091	RMGCFMIC	0 OHM +0%	PC	1.00000	B	F0101		1
R231	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R232	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R233	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R234	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R235	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R236	1013522091	RMGCFMIC	47K0 OHM	PC	1.00000	B	F0101		1
R237	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R238	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R239	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R240	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0701	01	1
R241	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R242	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R243	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R244	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R245	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R246	1013594091	RMGCFMIC	4K7 OHM +	PC	1.00000	B	F0101		1
R247	1013594091	RMGCFMIC	4K7 OHM +	PC	1.00000	B	F0101		1
R248	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R249	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R250	1013468091	RMGCFMIC	56R0 OHM	PC	1.00000	B	F0101		1
R251	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R252	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1
R253	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R254	1013441091	RMGCFMIC	10R0 OHM	PC	1.00000	B	F0101		1
R255	1013501091	RMGCFMIC	10K0 OHM	PC	1.00000	B	F0101		1
R256	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0701	01	1
R262	1013465091	RMGCFMIC	47R0 OHM	PC	1.00000	B	F0101		1

R263	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R264	1013471091	RMGCFMIC 75R0 OHM	PC	1.00000	B	F0101	1
R265	1013471091	RMGCFMIC 75R0 OHM	PC	1.00000	B	F0101	1
R266	1013441091	RMGCFMIC 10R0 OHM	PC	1.00000	B	F0101	1
R267	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R268	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R269	1013584091	RMGCFMIC 1K8 OHM +	PC	1.00000	B	F0701	01 1
R270	1013584091	RMGCFMIC 1K8 OHM +	PC	1.00000	B	F0701	01 1
R273	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F0701	01 1
R274	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F0701	01 1
R279	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
R280	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
R281	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
R282	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R283	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R285	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R288	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
R289	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R290	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R294	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F0701	01 1
R295	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F0701	01 1
R296	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0701	01 1
R297	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0701	01 1
R301	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R302	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R303	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R304	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R305	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R306	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R307	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R308	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R309	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F1201	04 1
R310	1013594091	RMGCFMIC 4K7 OHM +	PC	1.00000	B	F0701	01 1
R311	1013594091	RMGCFMIC 4K7 OHM +	PC	1.00000	B	F0701	01 1
R312	1013594091	RMGCFMIC 4K7 OHM +	PC	1.00000	B	F0701	01 1
R313	1013594091	RMGCFMIC 4K7 OHM +	PC	1.00000	B	F0701	01 1
R314	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F0701	01 1
R315	1013522091	RMGCFMIC 47K0 OHM	PC	1.00000	B	F0101	1
R401	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R402	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R403	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R404	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R405	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
R406	1013501091	RMGCFMIC 10K0 OHM	PC	1.00000	B	F0101	1
R407	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R408	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R409	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R410	1013465091	RMGCFMIC 47R0 OHM	PC	1.00000	B	F0101	1
R413	1013522091	RMGCFMIC 47K0 OHM	PC	1.00000	B	F0101	1F0101
R50		FBEAD SURFACE MT 1	PC	1.00000	B	F0701	01 1
R501	1013474091	RMGCFMIC 100R0 OHM	PC	1.00000	B	F0101	1
R502	2047191091	RMGCFMIN 56R0 OHM	PC	1.00000	B	F1201	04 1
R503	1013562091	RMGCFMIC 1M0 OHM +	PC	1.00000	B	F0101	1
R511	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F1201	04 1
R512	1032875091	RMGCFMIC 0 OHM +0%	PC	1.00000	B	F1201	04 1

PL DWG NO.: JE000252

PL TITLE : DVD20 FRONTBD APP

ISSUE DATE: 01-04-01

ISSUED BY : CHICK PETER

\* = CRITICAL ITEM

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REV NO: 03

REVISE DATE: 03-20-01

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< GROUP NO. / QUANTITY >

E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL 00
	#001	JE000252001A	FRONTBD APP DVD20	PC			F0101		A
E	'020	JE000254001A	FRONTBD SMT DVD20	PC	1.00000	M	F0101		1
	'021	55140820XX	AC PCB FRONT BD DV	PC	1.00000	B	F0101		1
	C901	2026783041	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
	C906	2025205041	CE 100U0F +20% 6.3	PC	1.00000	B	F0101		1

C907	2026862041	CE 470U0F +20% 6.3	PC	1.00000	B	F0101		1
C909	1307092041	CE 1U0F +20% 100.0	PC	1.00000	B	F1101	02	1
C912	8043479071	CC 560P0F +10% -10	PC	1.00000	B	F0101		1
C913	8043479071	CC 560P0F +10% -10	PC	1.00000	B	F0101		1
C914	2024647071	CC 100N0F +80% -20	PC	1.00000	B	F0101		1
C914L	2026887030	CE 4U7F +20% 50.0V	PC	1.00000	B	F0701	01	1
C914R	2026887030	CE 4U7F +20% 50.0V	PC	1.00000	B	F0701	01	1
C915	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
C916L	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
C916R	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101		1
C917	2026862041	CE 470U0F +20% 6.3	PC	1.00000	B	F1101	02	1
C917L	2026911030	CE 330U0F +20% 6.3	PC	1.00000	B	F0701	01	1
C917R	2026911030	CE 330U0F +20% 6.3	PC	1.00000	B	F0701	01	1
IC903	J2112505044X	IC KIA7045P 4.5V 'R	PC	1.00000	B	F0101		1
E J001	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J002	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J003	55102460XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101		1
E J004	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J006	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J009	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J010	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J012	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J013	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J016	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J017	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J018	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J019	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J020	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J021	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J022	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J023	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J024	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J025	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J026	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J027	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J028	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J029	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J030	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J031	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J032	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J033	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J034	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J035	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J036	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J037	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J038	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J039	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F1201	03	1
EX		BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		13
E J041	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J042	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J043	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J047	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J051	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J970	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J971	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J972	20330130XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J974	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J975	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J978	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J979	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J981	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E J982	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J983	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J986	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E J991	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101		1
E L921	20330130XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01	1
E L922	20330130XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F1101	02	1
Q907	5513335056	TR-SLPLF MPSA56 Y	PC	1.00000	B	F0101		1
Q908	5513335056	TR-SLPLF MPSA56 Y	PC	1.00000	B	F0101		1
Q910	5513329056	TR-SLPLF KTD1302 B	PC	1.00000	B	F0101		1

Q911	5513329056	TR-SLPLF KTD1302-B	PC	1.00000	B	F0101	1
Q912	5513322056	TR-SLPLF DTA114YSA	PC	1.00000	B	F0101	1
Q914	5513322056	TR-SLPLF DTA114YSA	PC	1.00000	B	F0101	1
GW901	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW902	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW903	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW904	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F1101	02 1
SW911	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW912	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F1101	02 1
SW913	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW921	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW922	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1
SW923	J46500500501	SW TACT SKQNAE	PC	1.00000	B	F0101	1

PL DWG NO.: JE000254

PL TITLE : DVD20 FRONTBD SMT

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ISSUED BY : CHICK PETER

\* = CRITICAL ITEM

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REV NO: 02

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< GROUP NO. / QUANTITY >

E ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	PL REV	00 1A
#001	JE000254001A	FRONTBD SMT DVD20	PC			F0101		A
C903	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C904	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C905	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C908	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C911	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C912L	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C912R	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C913L	3093874091	CCCFMIN 470P0F +5%	PC	1.00000	B	F0101		1
C913R	3093874091	CCCFMIN 470P0F +5%	PC	1.00000	B	F0101		1
D906	J2242510011X	D SCHOTTKY RB501V-	PC	1.00000	B	F0101		1
D903	2049651091	D-3LF 133355 35.0V	PC	1.00000	B	F0101		1
IC902	J2110012005X	IC AMP NJM4556AM D	PC	1.00000	B	F0101		1
J981A	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101		1
J981B	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101		1
L901	1403936091	LF-SMD 2200H +10%	PC	1.00000	B	F0101		1
L904	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L905	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L906	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L907	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L911	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L912	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L913	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L914	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L915	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
L916	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	0101	1
L919	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	144051091
L920	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01	1
Q904	5505124092	TR-SSD KRC107S N 1	PC	1.00000	B	F0101		1
Q906	5505124092	TR-SSD KRC107S N 1	PC	1.00000	B	F0101		1
R005	1106644091	RMGCFMIN 3K3 OHM +	PC	1.00000	B	F0101		1
R901	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101		1
R902	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101		1
R907	6044440091	RMGCFMIN 22K0 OHM	PC	1.00000	B	F0101		1
R908	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101		1
R909	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101		1
R910	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101		1
R911	8044040091	RMGCFMIN 5K6 OHM +	PC	1.00000	B	F0101		1
R912	7043425091	RMGCFMIN 15K0 OHM	PC	1.00000	B	F0101		1
R915	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101		1
R916	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101		1
R917	4043833091	RMGCFMIN 75K0 OHM	PC	1.00000	B	F1201	02	1
R918	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F1201	02	1
R919L	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101		1
R919R	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101		1
R920L	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101		1

R920R	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R921	8044040091	RMGCFMIN 5K6 OHM +	PC	1.00000	B	F0101	1
R922	7043425091	RMGCFMIN 15K0 OHM	PC	1.00000	B	F0101	1
R924L	2047197091	RMGCFMIN 2K4 OHM +	PC	1.00000	B	F0701 01	1
R924R	2047197091	RMGCFMIN 2K4 OHM +	PC	1.00000	B	F0701 01	1
R925L	4043829091	RMGCFMIN 1K5 OHM +	PC	1.00000	B	F0701 01	1
R925R	4043829091	RMGCFMIN 1K5 OHM +	PC	1.00000	B	F0701 01	1
R926L	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R926R	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R927	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0101	1
R928	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0101	1
R931	3094431091	RMGCFMIN 4K7 OHM +	PC	1.00000	B	F1201 02	1
R932	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F1201 02	1
R938	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R939	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R940	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R942	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R943	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R944	1106644091	RMGCFMIN 3K3 OHM +	PC	1.00000	B	F0101	1
R945	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R946	1106644091	RMGCFMIN 3K3 OHM +	PC	1.00000	B	F0101	1
R947	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R950	7043423091	RMGCFMIN 1K2 OHM +	PC	1.00000	B	F0101	1
R951	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R952	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R953	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R954	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R955	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R956	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R967	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R968	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R969	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R970	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R971	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R972	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R973	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R980	1106644091	RMGCFMIN 3K3 OHM +	PC	1.00000	B	F0101	1
R981	1106646091	RMGCFMIN 8K2 OHM +	PC	1.00000	B	F0101	1
R982	3094433091	RMGCFMIN 20K0 OHM	PC	1.00000	B	F0101	1
R984	6044438091	RMGCFMIN 270R0 OHM	PC	1.00000	B	F0101	1
R985	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R986	1106642091	RMGCFMIN 390R0 OHM	PC	1.00000	B	F0101	1
R987	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1

PL DWG NO.: JE000256

PL TITLE : DVD20 OUTBD APP

ISSUE DATE: 01-04-01

ISSUED BY : CHICK PETER

\* = CRITICAL ITEM

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REV NO: 02

REVISE DATE: 03-15-01

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< GROUP NO. / QUANTITY >

							PL 00
E ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV 1A
#001							
E '020	JE000258001A	OUTBD SMT DVD20	PC	1.00000	M	F0101	1
'021	55140790XX	AC PCB OUT BD DVD2	PC	1.00000	B	F0101	1
C801	1500213030	CE 10U0F +20% 16.0	PC	1.00000	B	F0101	1
C810	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0701 01	1
C812	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101	1
C814	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101	1
C815	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101	1
C817	1500213030	CE 10U0F +20% 16.0	PC	1.00000	B	F0101	1
C819N	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C819P	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C822	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C824	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701 01	1
C825	2026911030	CE 330U0F +20% 6.3	PC	1.00000	B	F0101	1
C826	20269180AM	CE 1M10F +20% 6.3V	PC	1.00000	B	F0101	1
C827	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C830	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1



C836	2026894030	CE 100U0F +20% 10.	PC	1.00000	B	F0101	1
C837	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C838N	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C838P	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C842	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C844	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C848	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C852	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C853L	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C853R	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101	1
C857	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101	1
C860	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701	01 1
C864	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101	1
C866	2025267030	CE 470U0F +20% 10.	PC	1.00000	B	F0701	01 1
C869	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101	1
E J801	20330130XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J802	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J803	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J804	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J805	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J806	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J807	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J809	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J810	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J811	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J812	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J813	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J814	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J815	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J817	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J818	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J819	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J820	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J821	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J822	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J823	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J824	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J825	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J826	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J827	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J828	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J829	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J830	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J831	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J832	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J833	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J834	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J835	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J836	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J837	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J838	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J839	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J840	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J841	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J842	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J843	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J844	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J845	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J846	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101	1
E J847	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J848	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J849	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J850	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J851	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J852	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J853	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J854	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J855	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J856	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J857	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1

E J858	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J859	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J860	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J861	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J862	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J863	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J864	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J865	20330130XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J866	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101	1
E J867	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J868	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J869	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J870	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J871	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J872	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J873	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J874	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E J875	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E L801	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E L802	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E L804	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
L805	J2616227920X	COIL LAL02 2.7UH	PC	1.00000	B	F0101	1
L807	J2616227920X	COIL LAL02 2.7UH	PC	1.00000	B	F0101	1
E L808	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
E L809	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01 1
L810	J2616222026X	COIL 22UH 220K AL0	PC	1.00000	B	F0101	1
L811	J2616222026X	COIL 22UH 220K AL0	PC	1.00000	B	F0101	1
Q803	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1
Q804	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1
Q807	5513869056	TR-SLPLF KTN2907 P	PC	1.00000	B	F0101	1

PL DWG NO.: JE000258  
 PL TITLE : DVD20 OUTBD SMT  
 ISSUE DATE: 01-04-01  
 ISSUED BY : CHICK PETER  
 \* = CRITICAL ITEM

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 REV NO: 03  
 REVISE DATE: 03-20-01  
 PRINT DATE: 03-28-01  
 < GROUP NO. / QUANTITY >

E ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	PL REV	QA
#001	JE000258001A	OUTBD SMT DVD20	PC			F0101		A
C802	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C807	1105944091	CCCFMIN 10POF +0P2	PC	1.00000	B	F0701	01	1
C808	1105944091	CCCFMIN 10POF +0P2	PC	1.00000	B	F0701	01	1
C809	1105944091	CCCFMIN 10POF +0P2	PC	1.00000	B	F0701	01	1
C811	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C813	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C816	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C818	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C820N	1105871091	CCCFMIN 560POF +5%	PC	1.00000	B	F0701	01	1
C820P	1105871091	CU .00 PC		1.00000	B	F0701	01	1
C821	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C823N	1105932091	CCCFMIN 1NOF +10%	PC	1.00000	B	F0701	01	1
C823P	1105932091	CCCFMIN 1NOF +10%	PC	1.00000	B	F0701	01	1
C828	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C829	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C831	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C832	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C833	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C834	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C835	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C839N	7043038091	CCCFMIN 820POF +10	PC	1.00000	B	F1101	02	1
C839P	7043038091	CCCFMIN 820POF +10	PC	1.00000	B	F1101	02	1
C840N	1105932091	CCCFMIN 1NOF +10%	PC	1.00000	B	F0701	01	1
C840P	1105932091	CCCFMIN 1NOF +10%	PC	1.00000	B	F0701	01	1
C841	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C843	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1
C845	7043038091	CCCFMIN 820POF +10	PC	1.00000	B	F0101		1
C846	7043038091	CCCFMIN 820POF +10	PC	1.00000	B	F0101		1
C847	2026729091	CCCFMIN 100NOF +80	PC	1.00000	B	F0101		1

C849	7043038091	CCCFMIN 820P0F +10	PC	1.00000	B	F0101	1
C850	7043038091	CCCFMIN 820P0F +10	PC	1.00000	B	F0101	1
C851	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C854L	1105867091	CCCFMIN 100P0F +5%	PC	1.00000	B	F0101	1
C854R	1105867091	CCCFMIN 100P0F +5%	PC	1.00000	B	F0101	1
C855	7043005091	CCCFMIN 390P0F +5%	PC	1.00000	B	F0101	1
C856	7043005091	CCCFMIN 390P0F +5%	PC	1.00000	B	F0101	1
C858	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C859	6044144091	CCCFMIN 3N3F +10%	PC	1.00000	B	F0101	1
C861	4043519091	CCCFMIN 82P0F +5%	PC	1.00000	B	F1101	02 1
C862	4043519091	CCCFMIN 82P0F +5%	PC	1.00000	B	F1101	02 1
C863	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C865	6044144091	CCCFMIN 3N3F +10%	PC	1.00000	B	F0101	1
C867	7043005091	CCCFMIN 390P0F +5%	PC	1.00000	B	F0101	1
C868	7043005091	CCCFMIN 390P0F +5%	PC	1.00000	B	F0101	1
C870	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C871	6044144091	CCCFMIN 3N3F +10%	PC	1.00000	B	F0101	1
D801	J2242422514X	D-ZEN CHIP UDZ2.2B	PC	1.00000	B	F0101	1
D802	2049651091	D-SLP 1SS355 35.0V	PC	1.00000	B	F0101	1
D804	2049651091	D-SLP 1SS355 35.0V	PC	1.00000	B	F0101	1
IC801	J2133031001X	IC AK4393 AUDIO	PC	1.00000	B	F0101	1
IC802	55128990NR	IC-OPERAMP BA4560F	PC	1.00000	B	F0101	1
IC803	J2115206008X	IC TC7WU04FU	PC	1.00000	B	F0101	1
IC804	J2115206008X	IC TC7WU04FU	PC	1.00000	B	F0101	1
IC807	55128990NR	IC-OPERAMP BA4560F	PC	1.00000	B	F0101	1
IC808	55128990NR	IC-OPERAMP BA4560F	PC	1.00000	B	F0101	1
L812	J2611433922X	COIL CHIP 3.3UH K	PC	1.00000	B	F0701	01 1
Q801L	5503943092	TR-SSD DTC323TK N	PC	1.00000	B	F0101	1
Q801R	5503943092	TR-SSD DTC323TK N	PC	1.00000	B	F0101	1
Q802L	5505126092	TR-SSD KRA107S P 1	PC	1.00000	B	F0101	1
Q802R	5505126092	TR-SSD KRA107S P 1	PC	1.00000	B	F0101	1
Q805	5505124092	TR-SSD KRC107S N 1	PC	1.00000	B	F0101	1
Q806	5505124092	TR-SSD KRC107S N 1	PC	1.00000	B	F0101	1
Q808	5513871092	TR-SLPSWA KTD1304	PC	1.00000	B	F0101	1
Q809	5513871092	TR-SLPSWA KTD1304	PC	1.00000	B	F0101	1
Q810	5513871092	TR-SLPSWA KTD1304	PC	1.00000	B	F0101	1
Q814	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0101	1
Q815	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0701	01 1
R801	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R802	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R803	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R804	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R805	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R806	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R807	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R808	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R809	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R810	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R811	8044051091	RMGCFMIN90 OHM +0%	PC	1.00000	B	F0101	1
R812	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R813	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R814	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R815	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R816	3094431091	RMGCFMIN 4K7 OHM +	PC	1.00000	B	F0101	1
R817	3094431091	RMGCFMIN 4K7 OHM +	PC	1.00000	B	F0101	1
R818	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R819	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R820N	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R820P	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R821N	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R821P	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R822N	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R822P	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R823N	4043830091	RMGCFMIN 6K8 OHM +	PC	1.00000	B	F0701	01 1
R823P	4043830091	RMGCFMIN 6K8 OHM +	PC	1.00000	B	F0701	01 1
R824N	5088659091	RMGCFMIN 2K7 OHM +	PC	1.00000	B	F0101	1
R824P	5088659091	RMGCFMIN 2K7 OHM +	PC	1.00000	B	F0101	1
R825N	7043423091	RMGCFMIN 1K2 OHM +	PC	1.00000	B	F0101	1
R825P	7043423091	RMGCFMIN 1K2 OHM +	PC	1.00000	B	F0101	1
R826N	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1

R826P	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R827N	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R827P	8044333060	RMGCFMIN 3K4 OHM +	PC	1.00000	B	F0101	1
R828N	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R828P	1106648091	RMGCFMIN 47K0 OHM	PC	1.00000	B	F0101	1
R829N	4043830091	RMGCFMIN 6K8 OHM +	PC	1.00000	B	F0701	01 1
R829P	4043830091	RMGCFMIN 6K8 OHM +	PC	1.00000	B	F0701	01 1
R830N	5088659091	RMGCFMIN 2K7 OHM +	PC	1.00000	B	F0101	1
R830P	5088659091	RMGCFMIN 2K7 OHM +	PC	1.00000	B	F0101	1
R831N	7043423091	RMGCFMIN 1K2 OHM +	PC	1.00000	B	F0101	1
R831P	7043423091	RMGCFMIN 1K2 OHM +	PC	1.00000	B	F0101	1
R832	9057441091	RMGCFMIN 910R0 OHM	PC	1.00000	B	F0101	1
R833	9057441091	RMGCFMIN 910R0 OHM	PC	1.00000	B	F0101	1
R834L	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R834R	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R835L	5088663091	RMGCFMIN 100K0 OHM	PC	1.00000	B	F0101	1
R835R	5088663091	RMGCFMIN 100K0 OHM	PC	1.00000	B	F0101	1
R836L	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R836R	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R837	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R838	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0101	1
R839	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R840	2047202091	RMGCFMIN 180K0 OHM	PC	1.00000	B	F0101	1
R841	9057441091	RMGCFMIN 910R0 OHM	PC	1.00000	B	F0101	1
R842	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R843	9057441091	RMGCFMIN 910R0 OHM	PC	1.00000	B	F0101	1
R844	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R845	8044039091	RMGCFMIN 2K2 OHM +	PC	1.00000	B	F0101	1
R846	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R847	7043422091	RMGCFMIN 820R0 OHM	PC	1.00000	B	F0101	1
R848	1511267091	RMGCFMIN 8R2 OHM +	PC	1.00000	B	F0101	1
R849	7043417091	RMGCFMIN 12R0 OHM	PC	1.00000	B	F0101	1
R850	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R851	7043422091	RMGCFMIN 820R0 OHM	PC	1.00000	B	F0101	1
R852	8044039091	RMGCFMIN 2K2 OHM +	PC	1.00000	B	F0101	1
R853	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R854	1511267091	RMGCFMIN 8R2 OHM +	PC	1.00000	B	F0101	1
R855	7043417091	RMGCFMIN 12R0 OHM	PC	1.00000	B	F0101	1
R856	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R857	8044039091	RMGCFMIN 2K2 OHM +	PC	1.00000	B	F0101	1
R858	7043422091	RMGCFMIN 820R0 OHM	PC	1.00000	B	F0101	1
R859	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R860	1511267091	RMGCFMIN 8R2 OHM +	PC	1.00000	B	F0101	1
R861	7043417091	RMGCFMIN 12R0 OHM	PC	1.00000	B	F0101	1
R862	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R863	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0101	1
R864	2047192091	RMGCFMIN 220R0 OHMMIN 220R0 OHM				F0101	1
R865	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0701	01 1
R866	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101	1
R867	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0101	1
R868	6044437091	RMGCFMIN 180R0 OHM	PC	1.00000	B	F0101	1
R869	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101	1
R870	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101	1
R871	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R872	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F1101	02 1
R873	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R875	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R878	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R879	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R883	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R884	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101	1
R885	3094428091	RMGCFMIN 120R0 OHM	PC	1.00000	B	F0101	1
R886	3094428091	RMGCFMIN 120R0 OHM	PC	1.00000	B	F0101	1
R887	3094428091	RMGCFMIN 120R0 OHM	PC	1.00000	B	F0101	1
R888	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R889	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0701	01 1
R890	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0701	01 1
R891	4043827091	RMGCFMIN 33R0 OHM	PC	1.00000	B	F1101	02 1
R892	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F1201	.03 1

PL DWG NO.: JE000260  
 PL TITLE : DVD20 SCARTBD APP  
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E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL	00
	#001	JE000260001A	SCABD APP DVD20	PC			F0101			1A
E	'020	JE000262001A	SCABD SMT DVD20	PC	1.00000	M	F0101			1
	'021	55140810XX	AC PCB SCART BD DV	PC	1.00000	B	F0101			1
	C702	2026902030	CE 100U0F +20% 16.	PC	1.00000	-B	F0101			1
	C708	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101			1
	C710	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101			1
	C712	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101			1
	C714	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F0701	01		1
	C715	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101			1
	C716	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0101			1
	C717	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101			1
	C719	2026783030	CE 47U0F +20% 16.0	PC	1.00000	B	F0101			1
	C721	2026888030	CE 10U0F +20% 50.0	PC	1.00000	B	F0101			1
	C722	2026888030	CE 10U0F +20% 50.0	PC	1.00000	B	F0101			1
	C729	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F0101			1
	C730	2026884030	CE 1U0F +20% 50.0V	PC	1.00000	B	F0701	01		1
	C731	2025265030	CE 220U0F +20% 16.	PC	1.00000	B	F0101			1
	C733	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F0101			1
	C737	2026914030	CE 470U0F +20% 16.	PC	1.00000	B	F1101	02		1
	C738	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F0701	01		1
	C739	2026902030	CE 100U0F +20% 16.	PC	1.00000	B	F1101	02		1
E	J701	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J702	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J703	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J704	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J705	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J706	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J707	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J708	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J709	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J710	55102460XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J711	20441240XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J712	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J713	20441100XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J714	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J715	20329450XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0101			1
E	J716	55102460XX	BCL 0.6MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J717	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0701	01		1
E	J718	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J719	20441260XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F070195	M		1J720
E	J721	20441250XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J722	20441180XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
E	J724	20441210XX	BCL 0.5MM TIN ANNE	PC	1.00000	M	F0101			1
	L701	J2616222026X	COIL 22UH 220K ALO	PC	1.00000	B	F0101			1
	L703	J2616222026X	COIL 22UH 220K ALO	PC	1.00000	B	F0101			1
	L704	J2616222026X	COIL 22UH 220K ALO	PC	1.00000	B	F0101			1
	L705	J2616222026X	COIL 22UH 220K ALO	PC	1.00000	B	F0101			1
	L706	J2616222026X	COIL 22UH 220K ALO	PC	1.00000	B	F0101			1

PL DWG NO.: JE000262  
 PL TITLE : DVD20 SCARTBD SMT  
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E	ITEM	DRAWING NO.	PART NAME/TEXT	UM	QTYFAC	MB	TMING	REV	PL	00
	#001	JE000262001A	SCABD SMT DVD20	PC			F0101			A
	C701	2026729091	CCCCFMIN 100N0F +80	PC	1.00000	B	F0101			1

C703	2025125091	CCCFMIN 47N0F +10%	PC	1.00000	B	F0101	1
C706	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C707	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C709	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C711	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C713	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C718	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C720	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C724	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C725	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C726	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C727	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C728	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C732	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C734	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0101	1
C735	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0701	01 1
C736	2026729091	CCCFMIN 100N0F +80	PC	1.00000	B	F0701	01 1
C740	8043654091	CCCFMIN 270P0F +5%	PC	1.00000	B	F0701	01 1
C741	8043654091	CCCFMIN 270P0F +5%	PC	1.00000	B	F0701	01 1
D701	J2242491514X	D-CHIP ZNR9V1B0.2W	PC	1.00000	B	F0101	1
IC701	J2137307001X	IC STV6412A AV SW.	PC	1.00000	B	F0101	1
Q702	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0701	01 1
Q703	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0701	01 1
Q704	2097046092	TR-SLPSWA KTC3875Y	PC	1.00000	B	F0701	01 1
R701	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R702	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0701	01 1
R702	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R703	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R704	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R705	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R706	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R707	2047195091	RMGCFMIN 1K0 OHM +	PC	1.00000	B	F0101	1
R708	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R709	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R710	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R711	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101	1
R712	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101	1
R713	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0101	1
R714	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R715	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101	1
R716	5088661091	RMGCFMIN 10K0 OHM	PC	1.00000	B	F0101	1
R717	2047194091	RMGCFMIN 680R0 OHM	PC	1.00000	B	F0101	1
R718	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R719	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R720	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R721	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R723	6044435091	RMGCFMIN 47R0 OHM	PC	1.00000	B	F0101	1
R724	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0701	01 1
R726	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F1101	02 1
R727	6044435091	RMGCFMIN 47R0 OHM	PC	1.00000	B	F0101	1
R728	6044435091	RMGCFMIN 47R0 OHM	PC	1.00000	B	F0101	1
R729	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0101	1
R730	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R731	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0101	1
R732	8044051091	RMGCFMIN 0 OHM +0%	PC	1.00000	B	F0101	1
R733	1106639091	RMGCFMIN 75R0 OHM	PC	1.00000	B	F0101	1
R734	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0701	01 1
R735	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0701	01 1
R736	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0701	01 1
R737	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R738	9057440091	RMGCFMIN 470R0 OHM	PC	1.00000	B	F0701	01 1
R739	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0701	01 1
R740	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0701	01 1
R741	2047192091	RMGCFMIN 220R0 OHM	PC	1.00000	B	F0701	01 1
R742	3094425091	RMGCFMIN 10R0 OHM	PC	1.00000	B	F0701	01 1
R743	7043420091	RMGCFMIN 100R0 OHM	PC	1.00000	B	F0701	01 1
R744	J2611433922X	COIL CHIP 3.3UH K	PC	1.00000	B	F0701	01 1