

**STEREO PLUS 2
SN-CHASSIS
(50 Hz, 4:3)**

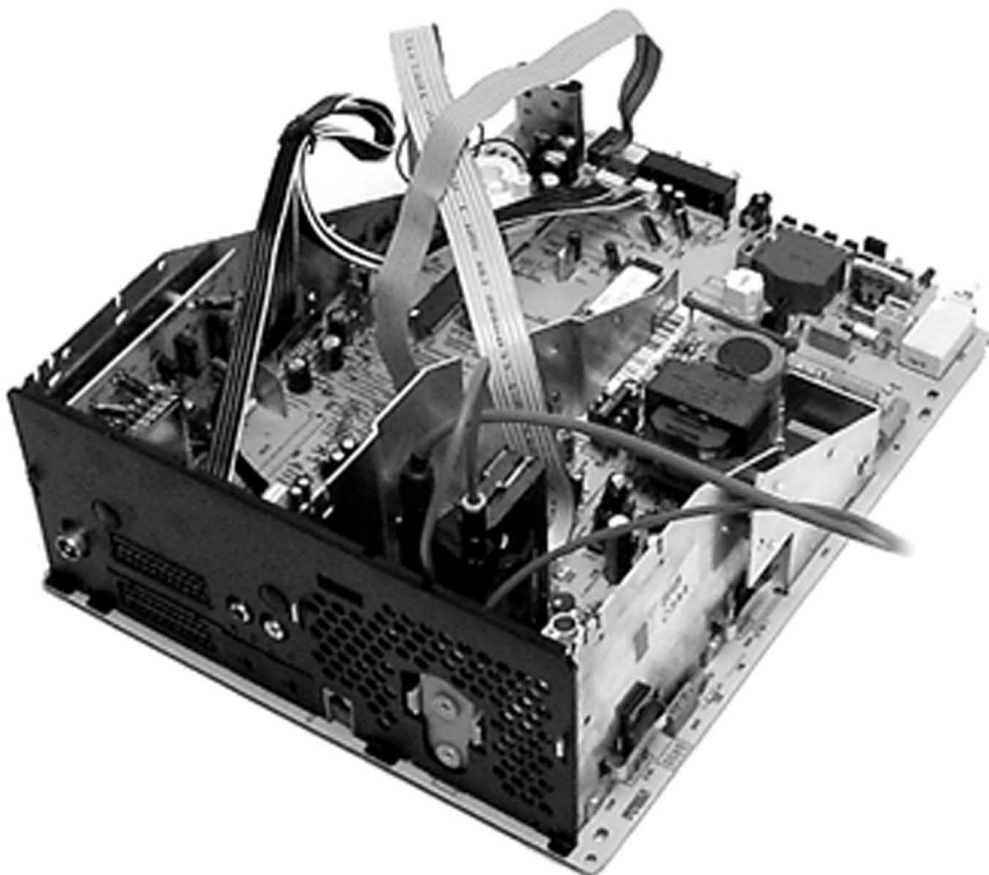
TV
11 /1999

Ⓒ	Supplement to service manual	6611 9613
Ⓓ	Ergänzung zum Service-Manual	6611 9613
Ⓔ	Bilaga till serviceanvisning	6611 9613
Ⓕ	Complément du manuel de service	6611 9613
Ⓖ	Supplemento al manuale di servizio	6611 9613

NOKIA

6351-T
7151-T
6351-TN
7151-TN

7151-T Multi
7151-T Multi White
7152-TN
7152-TN QUICK



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GB Repair instructions

Service and repair work must be performed only in accordance with the existing safety regulations!

Where a high current or a mechanical stress exists solder connections have been strengthened by using eyelets. Such a connection must not be left without an eyelet.

Wiring has an effect on safety and EMC (Electro-Magnetic Compatibility). Therefore wires must be maintained in their original positions.

X-RAY REGULATIONS:

The picture tube type and the maximum permissible high-voltage ensure that the X-ray intensity of the receiver remains far below the permissible value. The high-voltage must not exceed the value mentioned on the type label. The high voltage is within the permissible limits when the operating voltage (U1) of the horizontal deflection stage is accurate. Refer to the section "Service adjustments".

ESD Warning

The receiver contains components that are sensitive to electrostatic discharge (ESD). Any servicing or repair work must be done in an environment where the components will not be subjected to ESD. Use a special grounding device!

Surface-Mounted Device (SMD)

SMD's are glued and soldered. In order not to damage the P.C.B e.g. when replacing ICs and similar components with many soldering points, special tools are required when servicing SMD's.

Changes

The manufacturer reserves the right to change the design and specification without prior notice.

D Reparatur-Anweisung

Service- und Reparaturarbeiten dürfen nur in Übereinstimmung mit den gültigen Sicherheitsbestimmungen durchgeführt werden!

Bei bestehendem hohen Stromwerten oder mechanischer Beanspruchung müssen Lötverbindungen durch Ösen verstärkt werden. Eine derartige Verbindung darf nicht ohne Öse ausgeführt werden.

Die Verdrahtung hat Einfluß auf die Sicherheit und die elektromagnetische Verträglichkeit. Daher muß die ursprüngliche Anordnung der Verdrahtung erhalten bleiben.

RÖNTGENVERORDNUNG

Der Bildröhrentyp und die maximal zulässige Hochspannung stellen sicher, daß die Intensität der Röntgenstrahlen des Fernsehgerätes weit unter dem zulässigen Wert bleibt. Die Hochspannung darf nicht den auf dem Typenschild befindlichen Wert überschreiten. Die Hochspannung liegt im zulässigen Bereich, wenn die Betriebsspannung (U1) der Horizontal-Ablenkstufe genau eingehalten wird. Siehe auch Abschnitt "Service-Einstellungen".

EGB-Warnung

Das Fernsehgerät enthält Bauteile, die empfindlich auf elektrostatische Entladung reagieren. Alle Service- oder Reparaturarbeiten sind in einer Umgebung durchzuführen, in der die Bauteile nicht elektrostatischer Entladung ausgesetzt sind. Verwenden Sie eine spezielle Erdungsvorrichtung!

SMD-Bauelement

Die SMD's sind geklebt und verlötet. Es sind spezielle Werkzeuge erforderlich, damit bei Austausch von ICs und ähnlichen Bauteilen mit vielen Lötunkten die Leiterplatte nicht beschädigt wird.

Änderungen

Der Hersteller behält sich das Recht vor, Änderungen in Bauart und Ausführung ohne vorherige Ankündigung durchzuführen.

S Reparationsinstruktioner

Service och reparationer måste utföras med hänsyn till gällande säkerhetsföreskrifter.

Lödningar som utsätts för höga strömmar eller mekanisk belastning är förstärkta med genomföringshylsor. Dessa anslutningar får inte lämnas utan dessa hylsor.

Kabeldragningen har inverkan på säkerhet och EMC (Elektromagnetisk kompatibilitet). Därför måste kablarna monteras i deras originalposition.

RÖNTGENSTRÅLNING:

Bildrörstyp och begränsning av maximum högspänning garanterar att mottagarens röntgenstrålning hålls långt under tillåten nivå. Högspänningen får inte överskrida värdet som visas på typetiketten. Högspänningen är inom tillåtna gränser när horisontalavlänkningens drivspänning (U1) är rätt inställd. Se avsnitt "Serviceinställningar".

ESD varning

Mottagaren har komponenter som är känsliga för elektrostatiske urladdning (ESD). All servicearbete måste göras så att dessa komponenter inte utsätts för ESD. Använd en speciell jordningsanordning.

Ytmonterade komponenter (SMD)

SMD-komponenterna är både limmade och fastlödda. För att inte skada kretskortet när man t.ex. byter IC:n med många lödpunkter bör man använda specialverktyg.

Ändringar

Tillverkaren reserverar rätt till att ändra design och specifikationer utan skild meddelande.

F Instructions de réparation

Les opérations de maintenance et les réparations ne doivent être effectuées qu'en conformité avec les règles de sécurité en vigueur !

Les connexions par soudure doivent être renforcées par des œillets lorsqu'elles sont soumises à une forte intensité de courant ou à des contraintes mécaniques importantes. Ces connexions doivent toujours être renforcées par ce moyen.

Le câblage est un facteur important pour la sécurité et les perturbations électromagnétiques. En conséquence, maintenez les câbles dans leur position initiale.

REGLEMENTATION RELATIVE AUX RAYONS X :

Votre tube cathodique et la tension maximale autorisée garantissent le maintien des rayons X bien en deçà du niveau autorisé. La tension la plus élevée ne doit pas dépasser la valeur indiquée sur la plaquette signalétique de l'appareil. Cette tension reste dans la fourchette autorisée lorsque la tension de service (U1) d'étage de déflexion horizontale est précise. Reportez-vous à la section "Réglages de service".

Avvertissement concernant les décharges électrostatiques

Le récepteur contient des composants sensibles aux décharges électrostatiques (DES). Les opérations de maintenance et les réparations doivent être effectuées dans un environnement n'exposant pas les composants à ces décharges. Pour cela, utilisez un dispositif de mise à la terre spécial !

Composants montés en surface (SMD)

Ces composants sont collés et soudés. Pour ne pas endommager les cartes à circuits imprimés, par exemple lors du remplacement de circuits et de composants similaires ayant de nombreux points de soudure, vous devez utiliser des outils spécifiques lorsque vous effectuez la maintenance des appareils montés en surface.

Modifications

Le fabricant se réserve le droit de modifier la conception et les caractéristiques de son produit sans avis préalable.

I Istruzioni di servizio

Interventi di assistenza tecnica e riparazione devono essere eseguiti nel più assoluto rispetto delle norme di sicurezza vigenti!

Qualora esistano condizioni di elevati livelli di corrente e stress meccanici le connessioni saldate sono state potenziate tramite occhielli. Questo tipo di connessioni non devono essere lasciate senza occhiello.

Le connessioni influiscono sulla sicurezza e gli standard EMC (Electro-Magnetic Compatibility). Pertanto, i fili elettrici devono essere mantenuti nelle loro posizioni originarie.

NORME SUI RAGGI X:

Il tipo di tubo catodico unitamente all'uso del massimo livello di alta tensione consentito fanno sì che l'intensità dei raggi X del ricevitore rimanga molto al di sotto del valore consentito. L'alta tensione non deve superare il valore indicato sull'apposita etichetta. L'alta tensione rientra nei limiti consentiti quando la tensione operativa (U1) del livello di deflessione orizzontale è corretta. Fare riferimento alla sezione "Regolazioni di servizio".

Avvertenza ESD (scariche elettrostatiche)

Il ricevitore contiene componenti sensibili all'elettricità statica. Qualsiasi intervento di assistenza tecnica o riparazione deve essere eseguito in un ambiente in cui i componenti non possano essere soggetti a scariche elettrostatiche (ESD). A tal fine, usare uno specifico dispositivo di messa a terra!

Dispositivi SMD (Surface-Mounted Device)

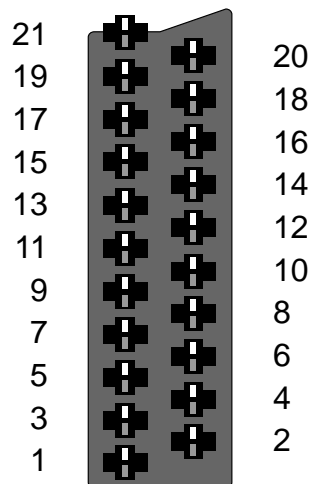
I dispositivi SMD sono incollati e saldati. Sono necessari strumenti specifici per non danneggiare la scheda PCB quando si sostituiscono circuiti integrati (IC) e simili componenti con molti punti di saldatura.

Modifiche

La Casa costruttrice si riserva il diritto di modificare il design e le specifiche senza preavviso.

SCART connector

Pin	SCART 1	SCART 2
1	Audio out R	Audio out R
2	Audio in R	Audio in R
3	Audio out L	Audio out L
4	Audio ground	Audio ground
5	RGB ground, blue	Ground
6	Audio in L	Audio in L
7	RGB input, blue	S-video out (chrominance) (copy from front AV-connector)
8	Switching voltage 0...2 V : no function 4.5...7 V : 16/9 picture ratio 9.5...12 V : normal picture ratio	Switching voltage 0...2 V : no function 4.5...7 V : 16/9 picture ratio 9.5...12 V : normal picture ratio
9	RGB ground, green	Ground
10	-	-
11	RGB input, green	-
12	-	-
13	RGB ground, red	S-video ground (chrominance)
14	Ground	Ground
15	RGB input, red (or S-video chrominance input if scart 1 only)	S-video input (chrominance)
16	Switching voltage, RGB blanking	-
17	Ground, video in	Ground, video in
18	Ground, video out	Ground, video out
19	Video out S-video out (luminance)	Video out
20	Video in RGB sync in	Video in S-video in (luminance)
21	Shield	Shield



Service adjustments

Configuration and fault diagnosis

The set must be configured after adding or removing any option. By pressing the RED button in service mode, the processor checks the configuration of the TV set and shows the settings on the screen. The configuration can be stored by pressing the OK button.

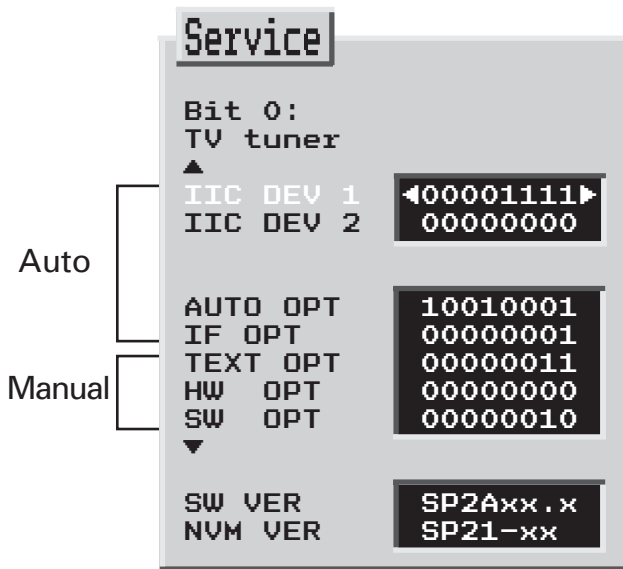
This feature can also be used in fault diagnosis. If an option bit is not '1' when it should be, the IC (or feature) is either not present or faulty.

Note! IIC DEV 1, IIC DEV 2, AUTO OPT and IF OPT bytes are configured automatically every time the RED-button is pressed.

TEXT OPT, HW OPT and SW OPT bytes must be set manually.

Changing the option bytes

1. Select the configuration mode by pressing the RED button in the service mode.



SW VER = μ P software version.

NVM VER = NVRAM software version.

2. Select IIC Device byte 1 - 2 or Option byte 1 - 5 with cursor buttons (up/down). The selected byte is shown highlighted. The name of a responding bit can be seen by using cursor buttons (left/right).
3. Set / clear the bits with number buttons (0 ... 7).
4. Store the settings by pressing the OK button.
5. Return to the normal service mode by pressing the RED button.

Option byte description

Bit	Description	Setting	'1'	'0'
7 6 5 4 3 2 1 0				
IIC DEV 1		00001111		
0	TV tuner 5002PH5		Yes	No
1	Decoder/sync processor TDA8854		Yes	No
2	Teletext processor TPU3050		Yes	No
3	Sound processor MSP34x0		Yes	No
4	Video matrix switch TEA6415		Yes	No
5	PIP processor		Yes	No
6	PIP tuner		Yes	No
7	3D virtual sound processor		Yes	No

IIC DEV 2		00000000		
5	Power controller STV5180		Yes	No
6	Sound processor MSP3410		Yes	No
7	Reserved for production use		Yes	No

AUTO OPT		10010001		
0	Scart 2		Yes	No
1	16:9 picture tube		Yes	No
3	Text memory 4 Mb DRAM		Yes	No
4	Text memory 1 Mb SRAM		Yes	No
5	Text memory 256 kb SRAM		Yes	No
6	Tilt adjustment		Yes	No
7	NICAM identification enabled		Yes	No

IF OPT		00000001		
0	B/G system in IF		Yes	No
1	I system in IF		Yes	No
2	D/K system in IF		Yes	No
3, 4	L/L' system in IF		Yes	No
5	HEF4094B in IF		Yes	No

TEXT OPT		00000011		
1	FLOF function enabled		Yes	No
7,6,5	Text character set selected			
	000 = West Europe / Czech			
	001 = East Europe			
	010 = West Europe / USA			
	011 = West Europe / Turkish			
	100 = East Europe 2			

HW OPT		00000000		
0	A/V connector installed		Yes	No
1	SVHS input in AV		Yes	No
2	3.58 MHz xtal installed		Yes	No
3	Line-out installed		Yes	No

SW OPT		00000010		
1	Carrier mute enabled		Yes	No
2	Stand-by prevent		Yes	No
3	Autostart enabled (Special use only!)		Yes	No
4	Pal + helper blanking 4:3		Yes	No
5	E1 FB enabled (USER)		Yes	No
7	Hotel TV enabled		Yes	No

SW VER SP2Axx.x

SW VER = μ P software version

NVM VER SP21-xx

NVM VER = NVRAM software version

Service-Einstellungen

Konfiguration und Fehlerdiagnose

Das Fernsehgerät muß nach Hinzufügen oder Wegnahme jeder Option konfiguriert werden. Bei Drücken der roten Taste im Servicemodus überprüft der Prozessor die Konfiguration des Fernsehgerätes und zeigt die Einstellungen auf dem Bildschirm. Die Konfiguration kann durch Drücken der OK-Taste gespeichert werden.

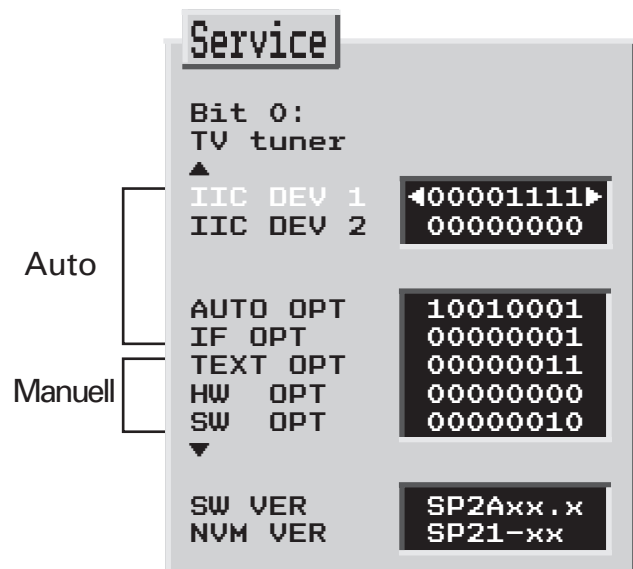
Dieses Feature kann auch bei der Fehlerdiagnose verwendet werden. Wenn ein Optionsbit nicht wie vorgesehen '1' ist, ist der IC (oder das Feature) entweder nicht vorhanden oder fehlerhaft.

Hinweis! IIC DEV 1, IIC DEV 2, AUTO OPT und die IF OPT-Bytes werden immer bei Drücken der roten Taste konfiguriert.

TEXT OPT, HW OPT und die SW OPT-Bytes müssen manuell eingestellt werden.

Ändern der Optionsbytes

1. Wählen Sie den Konfigurationsmodus durch Drücken der roten Taste im Servicemodus.



SW VER = μ P Softwareversion.

NVM VER = NVRAM Softwareversion.

1. Wählen Sie das IIC Device-Byte 1 - 2 oder das Option-Byte 1 - 5 mit den Cursortasten (auf-/abwärts). Das gewählte Byte erscheint hervorgehoben. Der Name eines zugehörigen Bytes wird bei Benutzung der Cursortasten (links/rechts) sichtbar.
3. Die Einstellung bzw. das Löschen der Bits erfolgt mit den Zifferntasten (0 ... 7).
4. Speichern Sie die Einstellungen durch Drücken der OK-Taste.
5. Gehen Sie durch Drücken der roten Taste in den normalen Servicemodus zurück.

Beschreibungen der Options-Bytes

Bit	Beschreibung	Einstellung	'1'	'0'
		7 6 5 4 3 2 1 0		
	IIC DEV 1	00001111		
0	TV-Tuner 5002PH5		Ja	Nein
1	Decoder/Synchronprozessor TDA8854		Ja	Nein
2	Videotextprozessor TPU3050		Ja	Nein
3	Tonprozessor MSP34x0		Ja	Nein
4	Videomatrixschalter TEA6415		Ja	Nein
5	PIP-Prozessor		Ja	Nein
6	PIP-Tuner		Ja	Nein
7	3D Virtueller Tonprozessor		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	IIC DEV 2	00000000		
5	Spannungsregler STV5180		Ja	Nein
6	Tonprozessor MSP3410		Ja	Nein
7	Für die Produktion reserviert		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	AUTO OPT	10010001		
0	Scart 2		Ja	Nein
1	Bildröhre 16:9		Ja	Nein
3	Textspeicher 4 Mb DRAM		Ja	Nein
4	Textspeicher 1 Mb SRA		Ja	Nein
5	Textspeicher 256 kb SRAM		Ja	Nein
6	Einstellung Bildneigung		Ja	Nein
7	NICAM-Identifizierung aktiviert		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	IF OPT	00000001		
0	B/G-System in IF		Ja	Nein
1	I-System in IF		Ja	Nein
2	D/K-System in IF		Ja	Nein
3, 4	L/L'-System in IF		Ja	Nein
5	HEF4094B in IF		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	TEXT OPT	00000011		
1	FLOF-Funktion aktiviert		Ja	Nein
7,6,5	Textbuchstabenart gewählt		Ja	Nein
	000 = Westeuropa / Tschechien		Ja	Nein
	001 = Osteuropa		Ja	Nein
	010 = Westeuropa / USA		Ja	Nein
	011 = Westeuropa / Türkei		Ja	Nein
	100 = Osteuropa 2		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	HW OPT	00000000		
0	A/V-Anschluß aktiviert		Ja	Nein
1	SVHS-Eingang bei AV		Ja	Nein
2	3.58 MHz xtal installiert		Ja	Nein
3	Linie-Ausgabe installiert		Ja	Nein

Bit	Beschreibung	Einstellung	'1'	'0'
	SW OPT	00000010		
1	Stummschaltung aktiviert		Ja	Nein
2	Stand-by-Verhinderung		Ja	Nein
3	Autostart aktiviert (Nur für besondere Zwecke!)		Ja	Nein
4	Pal + Hilfsaustastung 4:3		Ja	Nein
5	E1 FB aktiviert (USER)		Ja	Nein
7	Hotel TV aktiviert		Ja	Nein

SW VER **SP2Axx.x**
SW VER = μ P Softwareversion

NVM VER **SP21-xx**
NVM VER = NVRAM Softwareversion

Serviceinställningar

Konfigurering och felsökning

Mottagaren måste konfigureras när man gör ingrepp som ändrar tv:ns egenskaper. När man trycker på den RÖDA knappen i serviceläge, kontrollerar processorn tv:ns konfiguration och visar gällande inställning på bildskärmen. Konfigurationen kan sparas med OK-knappen.

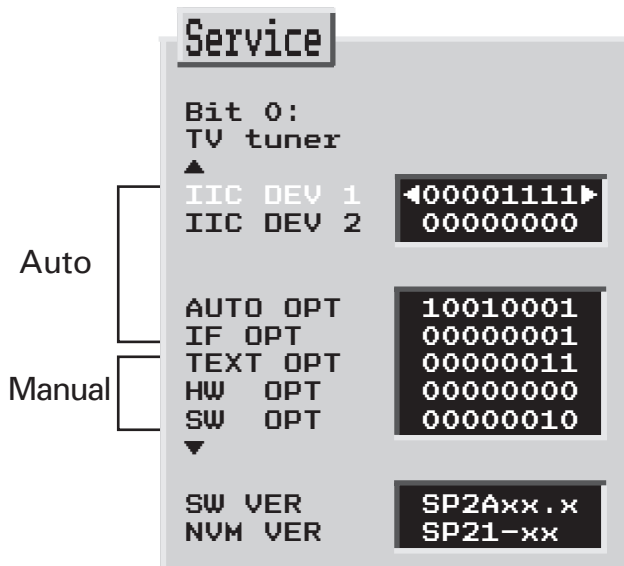
Denna funktion kan också användas till felsökning. Om en optionbit inte är "1" när den skall vara det, är IC:n (eller egenskapen) inte aktiverad eller defekt.

Obs! IIC DEV 1, IIC DEV 2, AUTO OPT and IF OPT bytarna konfigureras automatiskt varje gång man trycker på den RÖDA-knappen.

TEXT OPT, HW OPT och SW OPT bytarna måste ställas in manuellt.

Ändra optionbyter

- Välj konfigureringsläget genom att i serviceläget trycka på den RÖDA-knappen.



SW VER = µP programversion.
NVM VER = NVRAM programversion.

- Välj IIC Device byte 1 - 2 eller Option byte 1 - 5 med markörknapparna (upp-/nedåt). Vald byte indikeras med aktiveringsfärg. Namnet på varje enskild bit visas när man väljer biten med markörknapparna (väster/höger).
- Ställ in biten med sifferknapparna (0...7).
- Spara inställningen med OK-knappen.
- Återgå till normalt serviceläge genom att trycka på den RÖDA-knappen.

Optionbyte förklaringar

Bit	Förklaring	Inställning	'1'	'0'
		7 6 5 4 3 2 1 0		
	IIC DEV 1	00001111		
0	TV-tuner 5002PH5		Ja	Nej
1	Dekoder/synkprocessor TDA8854		Ja	Nej
2	Text-tv-processor TPU3050		Ja	Nej
3	Ljudprocessor MSP34x0		Ja	Nej
4	Videomatriskopplare TEA6415		Ja	Nej
5	PIP-processor		Ja	Nej
6	PIP-tuner		Ja	Nej
7	3D virtuelljudprocessor		Ja	Nej

Bit	Förklaring	Inställning	'1'	'0'
	IIC DEV 2	00000000		
5	Nättdelskontroller STV5180		Ja	Nej
6	Ljudprocessor MSP3410		Ja	Nej
7	Reserverad för produktionsbruk		Ja	Nej

Bit	Förklaring	Inställning	'1'	'0'
	AUTO OPT	10010001		
0	Scart 2		Ja	Nej
1	16:9 bildrör		Ja	Nej
3	Textminne 4 Mb DRAM		Ja	Nej
4	Textminne 1 Mb SRAM		Ja	Nej
5	Textminne 256 kb SRAM		Ja	Nej
6	Bildlutningsinställning		Ja	Nej
7	NICAM-identifiering aktiverad		Ja	Nej

Bit	Förklaring	Inställning	'1'	'0'
	IF OPT	00000001		
0	MF med B/G-norm		Ja	Nej
1	MF med I-norm		Ja	Nej
2	MF med D/K -norm		Ja	Nej
3, 4	MF med L/L'-norm		Ja	Nej
5	MF med HEF4094B		Ja	Nej

Bit	Förklaring	Inställning	'1'	'0'
	TEXT OPT	00000011		
1	FLOF-funktion möjlig		Ja	Nej
7,6,5	Vald teckenuppsättning för text-tv			
	000 = Västeuropa / Tjeckien			
	001 = Östeuropa			
	010 = Västeuropa / USA			
	011 = Västeuropa / Turkiet			
	100 = Östeuropa 2			

Bit	Förklaring	Inställning	'1'	'0'
	HW OPT	00000000		
0	A/V-kontakt monterad		Ja	Nej
1	AV med SVHS-ingång		Ja	Nej
2	3,58 MHz kristall monterad		Ja	Nej
3	Linjeutgång monterad		Ja	Nej

Bit	Förklaring	Inställning	'1'	'0'
	SW OPT	00000010		
1	Bärvågsdämpning möjlig		Ja	Nej
2	Beredskapslägesparr		Ja	Nej
3	Autostart möjlig (Endast för specialfall!)		Ja	Nej
4	Pal + helper släckning 4:3		Ja	Nej
5	E1 FB möjlig (ANVÄNDARE)		Ja	Nej
7	Hotell-tv möjlig		Ja	Nej

SW VER SP2Axx.x

SW VER = µP programversion.

NVM VER SP21-xx

NVM VER = NVRAM programversion.

Réglages de service

Le téléviseur doit être configuré après tout ajout ou suppression d'option. Si vous appuyez sur la touche rouge lorsque le mode de service est activé, le processeur vérifie la configuration du téléviseur et affiche les paramètres à l'écran. Vous pouvez enregistrer la configuration en appuyant sur la touche OK.

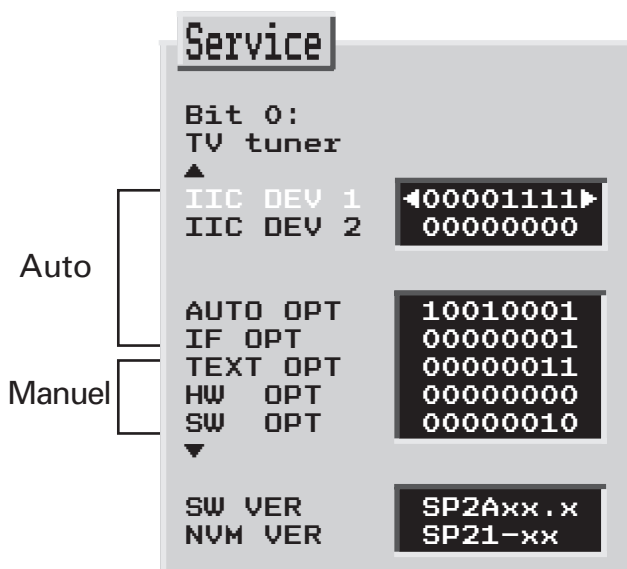
Cette fonction peut également être utilisée pour les diagnostics de panne. Si un bit d'option n'a pas la valeur "1", comme ce devrait être le cas, cela signifie que le circuit imprimé (ou la fonction) est absent(e) ou défectueux(euse).

Remarque ! Les octets IIC DEV 1, IIC DEV 2, AUTO OPT et IF OPT sont configurés automatiquement chaque fois que vous appuyez sur la touche rouge.

Les octets TEXT OPT, HW OPT et SW OPT doivent être configurés manuellement.

Changement des octets d'option

1. Sélectionnez le mode de configuration en appuyant sur la touche rouge lorsque le mode de service est activé.



SW VER = Version logicielle µP.

NVM VER = Version logicielle NVRAM.

2. Sélectionnez l'octet IIC 1 Device 1 - 2 ou l'octet Option 1 - 5 à l'aide des touches curseurs (haut/bas). L'octet sélectionné apparaît en surbrillance. Vous pouvez visualiser le nom du bit de réponse en utilisant les touches curseurs (gauche/droite).
3. Mettez les bits à "1" / "0" à l'aide des touches numériques (0 à 7).
4. Enregistrez la configuration en appuyant sur la touche OK.
5. Pour revenir au mode de service normal, appuyez sur la touche rouge.

Descriptions des octets d'option

Bit	Description	Setting	'1'	'0'
7 6 5 4 3 2 1 0				
IIC DEV 1		00001111		
0	Tuner TV 5002PH5			
1	Processeur synch./décodeur TDA8854		Oui	Non
2	Processeur de télétexte TPU3050		Oui	Non
3	Processeur son MSP34x0		Oui	Non
4	Interrupteur de matrice vidéo TEA6415		Oui	Non
5	Processeur PIP (image dans l'image)		Oui	Non
6	Tuner PIP (image dans l'image)		Oui	Non
7	Processeur son virtuel 3D		Oui	Non

Bit	Description	Setting	'1'	'0'
IIC DEV 2		00000000		
5	Régulateur de puissance STV5180		Oui	Non
6	Processeur son MSP3410		Oui	Non
7	Réservé à la production		Oui	Non

Bit	Description	Setting	'1'	'0'
AUTO OPT		10010001		
0	Péritel 2		Oui	Non
1	Tube cathodique 16:9		Oui	Non
3	DRAM de 4 Mo (mémoire de texte)		Oui	Non
4	SRAM de 1 Mo (mémoire de texte)		Oui	Non
5	SRAM de 256 ko (mémoire de texte)		Oui	Non
6	Réglage de l'inclinaison		Oui	Non
7	Identification NICAM activée		Oui	Non

Bit	Description	Setting	'1'	'0'
IF OPT		00000001		
0	Système B/G en IF		Oui	Non
1	Système I en IF		Oui	Non
2	Système D/K en IF		Oui	Non
3, 4	Système L/L' en IF		Oui	Non
5	HEF4094B en IF		Oui	Non

Bit	Description	Setting	'1'	'0'
TEXT OPT		00000011		
1	Fonction FLOF activée		Oui	Non
7,6,5	Caractères sélectionnés			
	000 = Europe de l'Ouest / Tchèque			
	001 = Europe de l'Est			
	010 = Europe de l'Ouest / Etats-Unis			
	011 = Europe de l'Ouest / Turquie			
	100 = Europe de l'Est 2			

Bit	Description	Setting	'1'	'0'
HW OPT		00000000		
0	Connecteur A/V installé		Oui	Non
1	Entrée SVHS en AV		Oui	Non
2	Cristaux de 3,58 MHz installés		Oui	Non
3	Départ de la ligne installée		Oui	Non

Bit	Description	Setting	'1'	'0'
SW OPT		00000010		
1	Blocage de porteuse activé		Oui	Non
2	Accès au mode veille interdit		Oui	Non
3	Démarrage automatique activé (utilisation spéciale uniquement)		Oui	Non
4	Suppression du système d'aide Pal + 4:3		Oui	Non
5	E1 FB activés (utilisateur)		Oui	Non
7	Fonctions TV hôtel activées		Oui	Non

SW VER SP2Axx.x
SW VER = Version logicielle µP

NVM VER SP21-xx
NVM VER = Version logicielle NVRAM

Regolazioni di servizio

Configurazione e diagnostica

Quando si installano o si rimuovono delle opzioni, l'apparecchio deve essere configurato. Premendo il tasto ROSSO in modo servizio, il processore verifica la configurazione dell'apparecchio TV e mostra le impostazioni sullo schermo. La configurazione può essere memorizzata premendo il tasto OK.

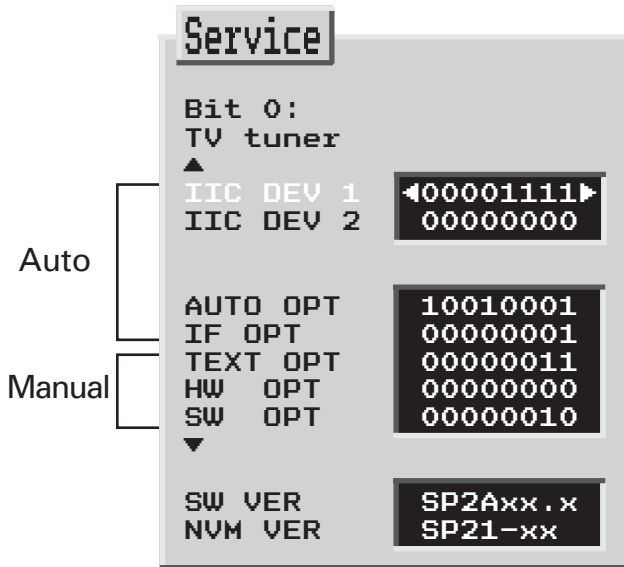
Questa funzione può anche essere utilizzata nella diagnostica. Se un bit di un'opzione non è '1', quando invece dovrebbe esserlo, l'IC (o funzione) non è presente oppure è in errore.

Nota: I byte IIC DEV 1, IIC DEV 2, AUTO OPT e IF OPT devono essere configurati automaticamente ogni volta che si preme il tasto ROSSO.

I byte TEXT OPT, HW OPT e SW OPT devono essere impostati manualmente.

Modifica dei byte di opzione

1. Selezionare il modo configurazione premendo il tasto ROSSO in modo servizio.



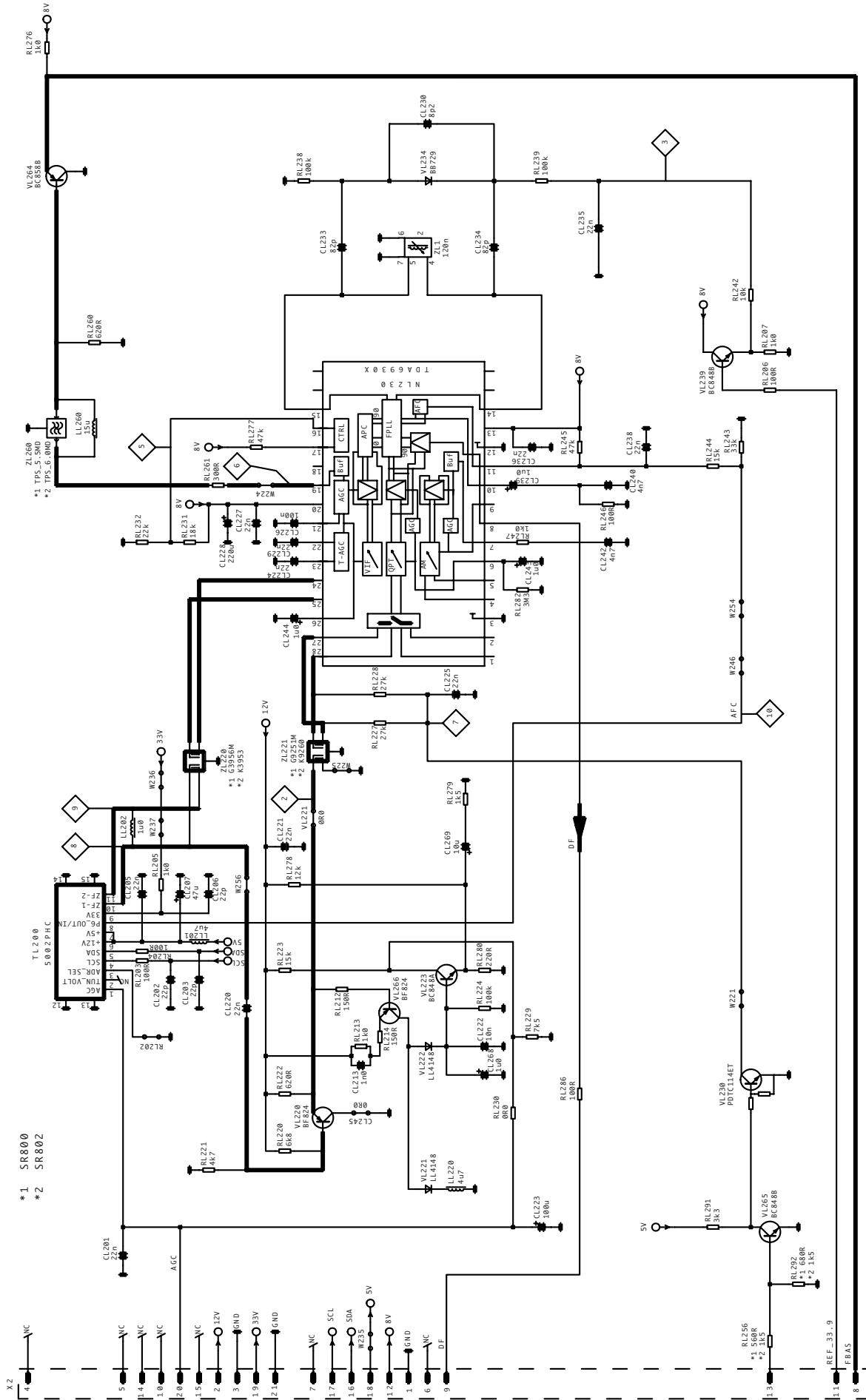
SW VER = versione software μ P.
NVM VER = versione software NVRAM.

2. Selezionare IIC Device byte 1 - 2 o Option byte 1 - 5 con i tasti freccia (su/giù). Il byte selezionato risulta evidenziato. Il nome dei bit corrispondenti è visibile tramite i tasti freccia (sinistra/destra).
3. Impostare / annullare i bit tramite i tasti numerici (0 ... 7).
4. Memorizzare le impostazioni premendo il tasto OK.
5. Tornare al normale modo servizio premendo il tasto ROSSO.

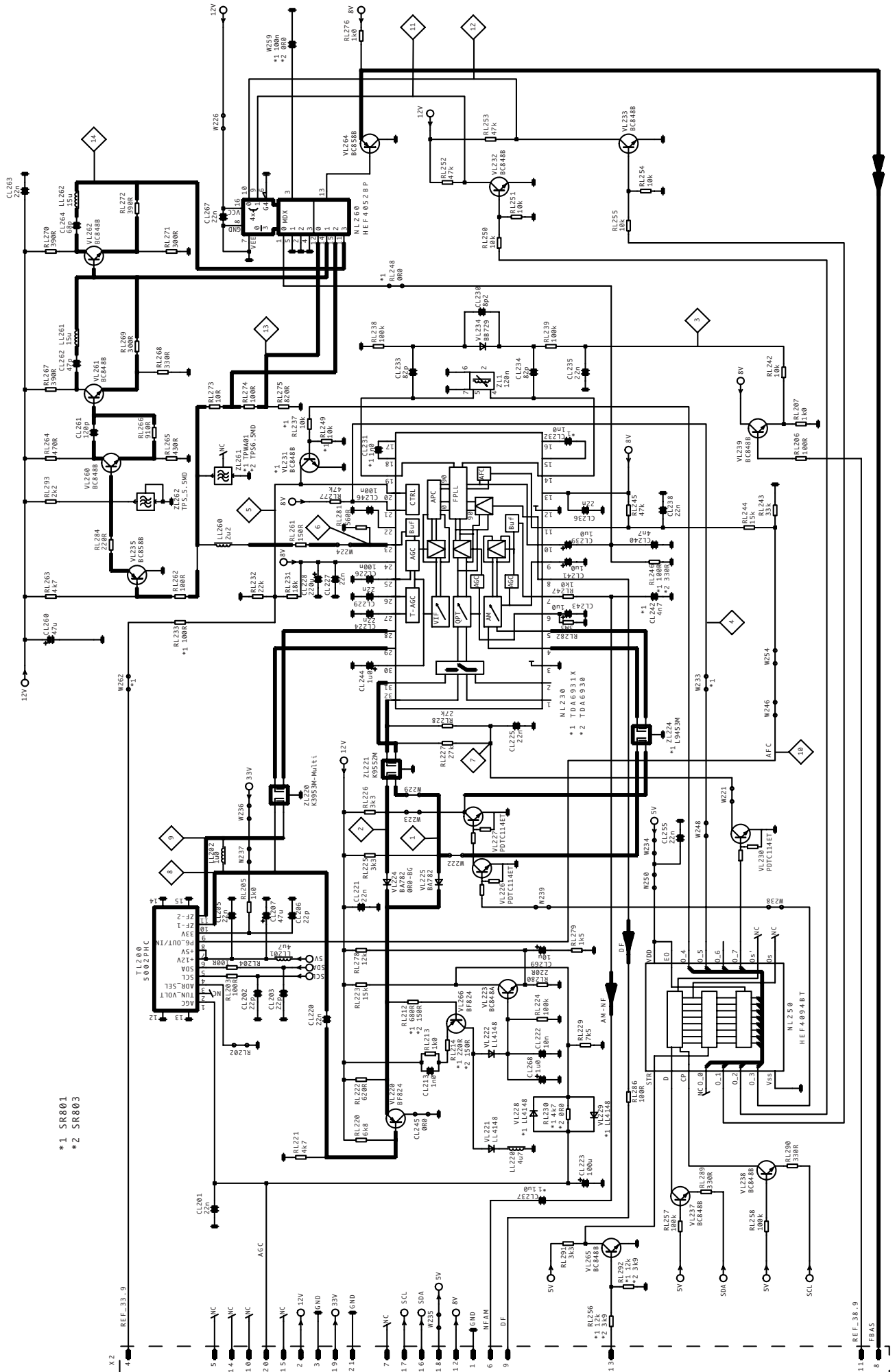
Descrizioni dei byte di opzione

Bit	Descrizione	Impostazione	'1'	'0'
7 6 5 4 3 2 1 0				
		IIC DEV 1	00001111	
0	Sintonizzatore TV 5002PH5			
1	Processore decodificatore/sync TDA8854	Sì	No	
2	Processore televideo TPU3050	Sì	No	
3	Processore audio MSP34x0	Sì	No	
4	Switch matrice video TEA6415	Sì	No	
5	Processore PIP	Sì	No	
6	Sintonizzatore PIP			
7	Processore audio virtuale 3D			
		IIC DEV 2	00000000	
5	Controller alimentazione STV5180	Sì	No	
6	Processore audio MSP3410	Sì	No	
7	Riservato all'uso produzione	Sì	No	
		AUTO OPT	10010001	
0	Scart 2	Sì	No	
1	Tubo catodico 16:9	Sì	No	
3	4 MB DRAM memoria di testo	Sì	No	
4	1 MB SRAM memoria di testo	Sì	No	
5	256 KB SRAM memoria di testo	Sì	No	
6	Regolazione inclinazione	Sì	No	
7	Identificazione NICAM abilitata	Sì	No	
		IF OPT	00000001	
0	Sistema B/G in IF	Sì	No	
1	Sistema I in IF	Sì	No	
2	Sistema D/K in IF	Sì	No	
3, 4	Sistema L/L' in IF	Sì	No	
5	HEF4094B in IF	Sì	No	
		TEXT OPT	00000011	
1	Funzione FLOF abilitata	Sì	No	
7,6,5	Serie di caratteri di testo selezionata			
	000 = Europa occidentale / Ceco			
	001 = Europa orientale			
	010 = Europa occidentale / USA			
	011 = Europa occidentale / Turco			
	100 = Europa orientale 2			
		HW OPT	00000000	
0	Connettore A/V installato	Sì	No	
1	Ingresso SVHS in AV	Sì	No	
2	Quarzo da 3.58 MHz installato	Sì	No	
3	Uscita linea installata	Sì	No	
		SW OPT	00000010	
1	Muto portante abilitato	Sì	No	
2	Inibizione standby	Sì	No	
3	Avvio automatico abilitato (solo uso speciale!)	Sì	No	
4	Soppressione sistema di aiuto Pal + 4:3	Sì	No	
5	E1 FB abilitato (UTENTE)	Sì	No	
7	Funzioni TV hotel abilitate	Sì	No	
		SW VER	SP2Axx.x	
SW VER = versione software μ P				
		NVM VER	SP21-xx	
NVM VER = versione software NVRAM				

SR800 Fontend module (BG)



SR801 Fontend module (Multinorm)



*1 SR801
*2 SR803

- REF_33_9
- REF_38_9
- FRAS
- N1C
- N2C
- N3C
- N4C
- N5C
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- N7C
- N8C
- N9C
- N10C
- N11C
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Ⓜ Variable components

Ⓓ Röhrenabhängige Bauteile

Ⓢ Varierande komponenter

Ⓕ Composants variables

Ⓜ Componenti che differiscono

NOKIA

Marketing code	Production code	Chassis	SR module	IC NA01		Picture tube type	
6351-T	SN63L1GNAAC	CGBC2AA	SR800	MSP3400C-PO-C6	3743 0026	25" Vid A59EHJ43X01	4364 2519
	SN63L1GNAAT	CGBT2AA	SR800	MSP3400C-PO-C6	3743 0026	25" Tes A59EMZ43X07	CRT 25151
7151-T	SN71L1GNAAC	CGBF2AA	SR800	MSP3400C-PO-C6	3743 0026	28" Vid A66EHJ43X01	4364 2830
	SN71L1GNAAP	CGBP2AA	SR800	MSP3400C-PO-C6	3743 0026	28" Phi A66EAK071X11	4364 2837
6351-TN	SN63L1ENAAC	CECC2AA	SR800	MSP3410D-PO-B4	3743 0020	25" Vid A59EHJ43X01	4364 2519
	SN63L1ENAAT	CECT2AA	SR800	MSP3410D-PO-B4	3743 0020	25" Tes A59EMZ43X07	CRT 25151
7151-TN	SN71L1ENAAC	CECF2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Vid A66EHJ43X01	4364 2830
	SN71L1ENAAT	CECP2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Tes A66EMZ43X07	4364 2829
	SN71L1ENAAP	CECP2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Phi A66EAK071X11	4364 2837
7151-T Multi	SN71L1RNAAC	CRBF2AA	SR801	MSP3410D-PO-B4	3743 0020	28" Vid A66EHJ43X01	4364 2830
	SN71L1RNAAP	CRBP2AA	SR801	MSP3410D-PO-B4	3743 0020	28" Phi A66EAK071X11	4364 2837
7151-T Multi White	SN71L1RNABC	CRBF2AA	SR801	MSP3410D-PO-B4	3743 0020	28" Vid A66EHJ43X01	4364 2830
	SN71L1RNABT	CRBP2AA	SR801	MSP3410D-PO-B4	3743 0020	28" Tes A66EMZ43X07	4364 2829
	SN71L1RNABP	CRBP2AA	SR801	MSP3410D-PO-B4	3743 0020	28" Phi A66EAK071X11	4364 2837
7152-TN	SN71Q1ENAAC	BEBF2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Vid A66EHJ43X01	4364 2830
	SN71Q1ENAAT	BEBF2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Tes A66EMZ43X07	4364 2829
7152-TN QUICK	SN71Q1ENABC	BECP2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Vid A66EHJ43X01	4364 2830
	SN71Q1ENABP	BECP2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Phi A66EAK071X11	4364 2837
	SN71Q1ENABT	BECP2AA	SR800	MSP3410D-PO-B4	3743 0020	28" Tes A66EMZ43X07	4364 2829

Spare parts
Pièces de rechange


Ersatzteile
Parti di ricambio

Reservdelar

Note! Hinweis! Obs! Remarque ! Nota!


- △ Safety components in accordance with existing safety regulations. These components must be replaced only with original parts.
- △ Sicherheitsbauteil im Sinn der Sicherheitsbestimmung. Diese Teile dürfen nur durch Originalteile ersetzt werden.
- △ Skyddskomponenter. Dessa komponenter får endast ersättas med original reservdelar.
- △ Composant de sécurité conformément aux réglementations de sécurité. Ces composants doivent être uniquement remplacés par des pièces d'origines.
- △ Componenti di sicurezza ai sensi del regolamento di sicurezza. Queste componenti devono venir sostituite unicamente con parti originali.
- * Variable components
- * Röhrenabhängige Bauteile
- * Komponentskillnad
- * Composants variables
- * Componenti che differiscono

Main board (B800)

Item	Description	Order no.
RESISTORS 		
RA 16, 26, 27, 30, 31	R SMD 100R 0W10	3142 5852
RA 17	R SMD 100R 0W25	3142 5610
RA 24, 56, 82, 83	R SMD 10R 0W10	3142 5810
RA 29, 61, 63	R SMD 100K 0W10	3142 5844
RA 32	R SMD 10K 0W25	3142 5635
RA 34, 58, 59, 64	R SMD 1K0 0W10	3142 5820
RA 42, 43	R SMD 100R 0W10	3142 5852
RA 52, 53	R CARF AX 1K5 5% 0W25	3166 0017
RA 57	R SMD 10R 0W25	3142 5603
RA 62	R CARF AX 100K 5% 0W25	3166 0030
RA 72, 73	R SMD 33K 0W10	3142 5840
RA 74, 75	R SMD 22K 0W10	3142 5837
RA 90, 91	R SMD 470R 0W10	3142 5817
RA 94, 95	R SMD 470K 0W10	3142 5848
RA 96, 97	R SMD 2K7 0W10	3142 5821
RA 98, 99	R SMD 330R 0W10	3142 5857
RD 02	R CARF RAD 47K 5% 0W25	3163 0049
RD 04, 22	R SMD 3R3 0W25	3149 0063
RD 05	R SMD 100K 0W10	3142 5844
RD 06	R SMD 16K 0W10	3142 5897
RD 07	R CARF RAD 1M0 0W25	3154 8926
RD 08	R CARF RAD 330K 0W25	3154 8927
RD 10	R SMD 27K 0W10	3142 5839
RD 11, 50	R SMD 39K 0W10	3142 5841
RD 12	R SMD 10K 0W10	3142 5833
RD 13	R SMD 8K2 0W10	3142 5832
RD 16	R CARF RAD 33K 5% 0W25	3163 0036
RD 17, 18, 19	R SMD 220R 0W10	3142 5815
RD 20, 92	R SMD 1K0 0W10	3142 5820
RD 21, 93	R SMD 1K0 0W25	3142 5622
RD 23, 24	R SMD 100R 0W25	3142 5610
RD 25	R SMD 68K 0W10	3142 5838
RD 26	R CARF RAD 18K 0W25	3163 0095
RD 31, 32	R SMD 4M7 0W10	3142 5894
RD 35	R SMD 470R 0W10	31425 817
RD 36	R SMD 100R 0W25	31425 610
RD 37, 39, 40	R SMD 22R 0W10	3142 5849
RD 38	R CARF AX 22R 5% 0W25	3166 0042
RD 51	R CARF AX 1M2 0W25	3165 0461
RD 52	R SMD 1M0 0W10	3142 5801
RD 54, 55, 56, 57, 80, 84	R SMD 75R 0W10	3142 5861
RD 58	R SMD 330K 0W25	3142 5687
RD 59*	R CARF RAD 150K 5% 0W25	3163 0038
RD 59*	R CARF RAD 270K 5% 0W25	3154 8967

Item	Description	Order no.
RD 81, 87	R SMD 150R 0W10	3142 5812
RD 85	R SMD 470R 0W10	3142 5817
RD 86	R SMD 680R 0W25	3142 5618
RD 90	R SMD 47R 0W10	3142 5809
RD 94, 95, 96	R SMD 1K5 0W10	3142 5826
RD 97, 98	R SMD 330R 0W10	3142 5857
RD 99	R SMD 330R 0W25	3142 5614
RF 01	R SMD 22R 0W25	3142 5605
RF 09	R SMD 47K 0W25	3142 5639
RF 10	R CARF AX 4K7 5% 0W25	3166 0031
RF 11	R SMD 470R 0W25	3142 5615
RF 16, 17, 18	R SMD 100R 0W10	3142 5852
RF 19, 20	R SMD 3K3 0W10	3142 5829
RF 30	R SMD 100K 0W25	3142 5646
RF 32, 34	R SMD 270R 0W25	3142 5613
RF 35, 36, 51, 68, 70	R SMD 10K 0W10	3142 5833
RF 40	R SMD 15K 0W10	3142 5835
RF 41, 42, 52, 53, 67	R SMD 100R 0W25	3142 5610
RF 44	R SMD 10K 0W25	3142 5635
RF 50, 58, 60, 62, 63	R SMD 1K0 0W10	3142 5820
RF 56, 65	R SMD 1K0 0W25	3142 5622
RF 57	R SMD 470R 0W10	3142 5817
RF 59	R SMD 220R 0W25	3142 5612
RF 66	R SMD 330R 0W10	3142 5857
RF 69	R SMD 2K2 0W10	3142 5828
RF 71	R CARF AX 1K2 0W25	3166 0052
RF 72	R CARF AX 330R 5% 0W25	3166 0012
RK 01	R SMD 220R 0W10	3142 5815
RK 02	R SMD 750R 0W10	3149 0002
RK 03	R METOX AX 1K0 1W0	3141 3905
RK 04	R SMD 47R 0W25	3142 5607
RK 05	R METOX AX 1R5 1W5	3141 3959
RK 06, 08	R SMD 33R 0W10	3142 5808
RK 10△	R POT FOCUS 59M 2W0 GDE	3128 0007
RK 11△, 12△	R CARF RAD 470R 5% 0W25	3151 4520
RK 15, 54	R CARF RAD 10K 5% 0W25	3163 0031
RK 16△	R CARF RAD 2R2 5% 0W25	3151 4511
RK 31	R METOX AX 39R 1W0	3141 2037
RK 33△*	R METOX AX 1R0 1W5	3141 3904
RK 33△*	R METOX AX 3R3 1W5	3141 3932
RK 34△*	R CARF RAD 0R33 0W25	3165 0458
RK 34△*	JUMPER 5,0 mm	8570 0050
RK 35△	R CARF RAD 10R 5% 0W25	3151 4513
RK 40	R SMD 1K0 0W10	3142 5820
RK 42	R SMD 100R 0W10	3149 0055
RK 43	R SMD 510R 0W10	3149 0101
RK 44	R CARF RAD 4K7 5% 0W25	3151 4522
RK 45	R SMD 10K0 0W10	3149 0057
RK 46	R SMD 100K 0W10	3142 5844
RK 50	R CARF RAD 15K0W60	3154 7768
RK 51*	R CARF RAD 82K 0W25	3154 8729
RK 52△	R FUS V RD 0R1 0W40	3185 0059
RK 53△	R FUS V BK 3R0 0W50 RAD	3185 0058
RK 60	R SMD 2K4 0W25	3142 6232
RK 61	R SMD 10K 0W10	3142 5833
RL 03, 04	R SMD 100R 0W25	3142 5610
RL 05, 06	R SMD 10K 0W25	3142 5635
RO 01	R WRLAC BK 5R1 8W0	3134 0801
RO 05	R METOX BK 2K7 4W0	3141 2208
RO 06	R PTC BLK 1500ohm	3193 0010
RO 07	R SMD 68K 0W25	3149 0410
RO 11△	R WRLAC AX 0R12 2W5	3136 0034
RO 12, 70, 90, 97, 103	R SMD 1K0 0W10	3142 5820
RO 14	R METOX BK 33K 4W0	3143 0286
RO 15	R CARF AX 10R 5% 0W25	3166 0005
RO 16△	R CARF AX 8M2 0W50	3156 0970
RO 19	R SMD 100R 0W25	3142 5610
RO 20	R CARF RAD 2R2 5% 0W25	3151 4511
RO 27△*	R PTC BLK 9ohm	3193 0009
RO 27△*	R PTC BLK 18ohm	3172 1240
RO 31	R METOX BK 150R 2W0	3143 0290
RO 35	R SMD 1M8 0W25	3142 6238
RO 36, 39	R SMD 82K 0W10	3149 0032

Item	Description	Order no.
RO 37	R SMD 270R 0W10	3142 5855
RO 38	R SMD 4K7 0W10	3142 5824
RO 40, 99	R SMD 22K 0W25	3142 5638
RO 41, 51	R SMD 10K 0W25	3142 5635
RO 42, 43	R METF RAD 80K6 0W60	3145 0014
RO 45	R SMD 2K20 0W10	3149 0098
RO 47, 48	R SMD 100R 0W10	3142 5852
RO 50	R SMD 470R 0W10	3142 5817
RO 60	R METOX BK 33K 2W0	3143 0288
RO 61	R CARF RAD 220K 5% 0W25	3163 0045
RO 62	R CARF RAD 47K 5% 0W25	3163 0049
RO 82 [△]	R CARF RAD 100R 5% 0W25	3151 4516
RO 83, 92	R SMD 10K 0W10	3142 5833
RO 84	R SMD 1K5 0W10	3142 5826
RO 85	R SMD 6K8 0W10	3142 5831
RO 86	R SMD 22K 0W10	3142 5837
RO 87	R SMD 100K 0W10	3142 5844
RO 88	R SMD 47R 0W10	3142 5809
RO 93	R CARF RAD 39R 5% 0W25	3163 0023
RO 98	R SMD 180R 0W10	3149 0426
RO 100	R SMD 1K0 0W25	3142 6410
RR 50, 52, 54	R SMD 10K 0W10	3142 5833
RR 53	R SMD 100K 0W10	3142 5844
RR 60	R SMD 4K7 0W10	3142 5824
RR 62, 63	R SMD 100R 0W10	3142 5852
RR 64, 65, 66	R SMD 1K0 0W10	3142 5820
RRD 60*	R SMD 1K0 0W25	3142 5622
RRD 61*, 62*	R SMD 1K0 0W10	3142 5820
RS 01, 03	R CARF AX 4K7 5% 0W25	3166 0031
RS 02, 20	R SMD 1K50 0W10	3149 0023
RS 05	R FUS I AX 1R5 10% 0W4	3182 0004
RS 11*	R CARF RAD 220R 0W70	3165 0440
RS 11*	R CARF RAD 330R 5% 0W25	3151 4524
RS 12*	R METF AX 1R50 0W60	3142 1362
RS 12*, 34*	R METF RAD 2R15 0W60	3143 0281
RS 21	R SMD 100R 0W10	3142 5852
RS 25	R SMD 15K 0W10	3149 0427
RS 31	R SMD 2K2 0W10	3142 5828
RS 32	R SMD 4K7 0W10	3142 5824
RS 34*	R METF RAD 1R21 1% 0W6	3145 0008
W 06, 07, 11, 12, 24, 25, 26, 28, 35, 39, 64, 65, 70, 76, 105, 114, 117, 124, 148	R SMD 0R 0W25	3142 5601
W 18, 27, 74, 94, 100, 127, 128, 129	R SMD 0R 0W10	3142 5802
W 58, 60	R SMD 0R 0W10	3142 5802
WA 26	R 0R1	3182 0003
WA 31, 35, 40, 83	R SMD 0R 0W25	3142 5601
WA 50, 56	R SMD 0R 0W10	3142 5802
WA 52, 59	R SMD 0R 0W10	3142 5802
WA 58	R SMD 0R 0W25	3142 5601
WD 40, 53, 54, 62	R SMD 0R 0W10	3142 5802
WD 52	R SMD 0R 0W25	3142 5601
WD 56, 57, 58, 59	R SMD 0R 0W10	3142 5802
WF 51, 63, 73	R SMD 0R 0W25	3142 5601
WF 70	R SMD 0R 0W10	3142 5802
WK 07	R SMD 0R 0W25	3142 5601
WL 23	R SMD 0R 0W25	3142 5601
WL 28	R SMD 0R 0W10	3142 5802
WO 16, 17, 19	R SMD 0R 0W25	3142 5601
WR 11, 41, 42, 48	R SMD 0R 0W10	3142 5802
WR 38	R SMD 0R 0W25	3142 5601
WRD 10*, 12*, 14*, 17*	R SMD 0R 0W10	3142 5802
WRS 13*, 15*, 16*, 25*, 26*	R SMD 0R 0W10	3142 5802
WRS 19*, 21*, 23*, 24*, 43*	R SMD 0R 0W25	3142 5601
WS 1, 11	R SMD 0R 0W25 R FUS AX 0R1 10% 0W4	3142 5601 3182 0003

Item	Description	Order no.
CAPACITORS 		
CA 01, 32, 33, 50, 51, 65, 66, 78, 79, 96, 97, 98	C CER2 SMD 1n0 50V	3253 6203
CA 02, 04, 07, 12, 17, 53, 62	C CER2 SMD 100nF 25V	3219 0001
CA 03, 05, 06, 09, 13	C ECAP RAD 10µF 16V	3422 3249
CA 08	C CER2 SMD 220nF 25V	3252 5625
CA 14	C TANT SMD 4µ7 16V	3449 0002
CA 16	C CER1 SMD 100pF 50V	3212 5629
CA 19	C CER1 SMD 100pF 50V	3212 5515
CA 20, 21, 35, 36, 40, 41	C CER1 SMD 330pF 50V	3212 5517
CA 24, 25, 34, 74, 75	C CER2 SMD 10nF 50V	3253 6213
CA 26, 27, 28, 29, 72, 73, 90, 91, 94, 95	C CER1 SMD 330pF 50V	3212 5517
CA 30, 31,	C ECAP RAD 22µF 16V	3422 3250
CA 42, 43	C ECAP RAD 22µF 16V	3422 3250
CA 52	C CER2 SMD 100nF 50V	3253 5920
CA 54, 55	C ECAP RAD 100µF 16V	3454 0031
CA 56, 82, 83, 85	C CER2 SMD 22nF 25V	3252 5705
CA 57	C CER2 SMD 22nF 25V	3252 5605
CA 58, 59	C ECAP BLK 1000µF 16V	3455 0001
CA 60	C ECAP RAD 47µF 35V	3422 9781
CA 61	C ECAP BLK 1000µF 35V	3422 0554
CA 70, 71, 92, 93, 103	C CER2 SMD 1µ0 16V	3279 0022
CA 76, 77, 80, 81	C ECAP RAD 100µF 16V	3422 3252
CA 84	C ECAP RAD 470µF 16V	3422 0551
CA 99	C CER1 SMD 180pF 50V	3212 5524
CD 01	C CER2 SMD 3n3 50V	3253 6207
CD 02	C ECAP RAD 47µF 16V	3422 3251
CD 03, 14, 15, 16, 17, 25, 85, 86, 87	C CER2 SMD 22nF 25V	3252 5705
CD 04, 08, 13, 20, 23	C CER2 SMD 100nF 25V	3219 0001
CD 05, 22, 31	C CER2 SMD 100nF 50V	3253 5920
CD 06, 27	C CER2 SMD 4n7 50V	3253 6210
CD 07	C ECAP RAD 1µ0 63V	3454 0022
CD 09	C (M)KP RAD 100nF 100V	3348 0018
CD 10, 11	C CER1 SMD 18pF 50V	3212 5520
CD 12, 30, 50, 58	C CER2 SMD 10nF 50V	3253 6213
CD 18	C ECAP RAD 2µ2 63V	3454 0023
CD 19	C ECAP RAD 4µ7 63V	3422 9578
CD 21	C CER2 SMD 220nF 25V	3252 5625
CD 24, 28, 32	C CER2 SMD 1n0 50V	3253 6203
CD 26	C ECAP RAD 22µF 16V	3422 3250
CD 52, 53, 54, 55	C CER1 SMD 33pF 50V	3212 5507
CD 80, 84	C CER1 SMD 33pF 50V	3212 5507
CF 02, 05, 11, 21, 32, 33, 40	C CER2 SMD 100nF 25V	3219 0001
CF 03, 04	C CER1 SMD 33pF 50V	3212 5507
CF 06	C ECAP RAD 100µF 16V	3422 3252
CF 07	C CER1 SMD 100pF 50V	3212 5629
CF 12	C ECAP RAD 10µF 16V	3422 3249
CF 13	C CER2 SMD 220nF 25V	3252 5625
CF 14	C CER2 SMD 10nF 50V	3253 6213
CF 15	C CER1 SMD 47P 50V	3212 5616
CF 31	C CER2 SMD 100nF 50V	3253 5920
CF 34	C CER2 SMD 10nF 50V	3253 5905
CF 39	C CER2 SMD 1n0 50V	3253 6203
CF 41	C ECAP RAD 2µ2 63V	3454 0023
CF 44	C CER1 SMD 100pF 50V	3212 5515
CH 01	C (M)KT BLK 10nF 2K0V	3346 0035
CK 02	C ECAP RAD 220µF 25V	3422 9784
CK 03	C ECAP RAD 2µ2 100V	3422 7539
CK 04, 05	C CER2 SMD 2n2 50V	3253 6206
CK 09 [△]	C (M)KP BLK 1n8 1K6V	3345 0026
CK 11	C (M)KP BLK 27nF 400V	3324 0835
CK 12 [△]	C (M)KP BLK 8n7 1K6V	3345 0024
CK 13	C (M)KP RAD 300nF 400V	3348 0011
CK 14	C (M)KT RAD 47nF 100V	3352 2113
CK 15	C ECAP RAD 2µ2 160V	3426 0812
CK 31	C (M)KT RAD 4n7 250V	3338 0010
CK 34, 37, 40	C CER2 RAD 330pF 1K0V	3267 0853
CK 35	C ECAP BLK 22µF 250V	3426 0521

Item	Description	Order no.
CK 38, 39	C ECAP RAD 100µF 25V	3454 0020
CK 44	C CER1 SMD 22pF 50V	3212 5521
CK 50	C (M)KT RAD 33nF 200V	3353 0935
CK 60	C (M)KT RAD 1µ5 63V	3312 0948
CL 1, 2	C CER2 SMD 220nF 25V	3252 5625
CO 04, 05	C CER2 RAD 1n5 2K0V	3267 0976
CO 06	C ECAP RAD 220µF 25V	3422 9784
CO 07	C ECAP RAD 1µ0 100V	3422 9675
CO 08	C (M)KP RAD 1n5 100V	3345 0065
CO 09	C (M)KT RAD 100nF 63V	3312 4707
CO 10	C CER1 SMD 1n5 50V	3219 0025
CO 11, 49	C CER2 SMD 100nF 50V	3253 5920
CO 12, 48	C CER2 SMD 22nF 25V	3252 5705
CO 13 [△]	C CER2 RAD 470pF 1K0V	3279 0043
CO 15	C (M)KP RAD 1n0 100V	3362 2914
CO 16	C CER2 SMD 47nF 50V	3253 6222
CO 19 [△]	C CER2/3 BLK 3n3 20% 400VAC	3261 0926
CO 20	C ECAP BLK 220µF 400V	3454 0073
CO 21	C (M)KT BLK 100nF 400V	3314 0973
CO 33	C ECAP BLK 47µF 200V	3454 0085
CO 35, 40, 50, 65	C CER2/3 RAD 1n0 10% 500V	3278 0004
CO 36, 41, 44, 67	C ECAP BLK 470µF 35V	3422 0648
CO 37, 38, 39, 42, 43, 63, 72	C ECAP RAD 10µF 63V	3454 0025
CO 45	C ECAP RAD 22µF 25V	3422 4356
CO 46	C (M)KP RAD 1n0 63V	3348 0010
CO 47, 51	C CER1 SMD 1n0 50V	3218 0035
CO 52, 61	C CER2 SMD 10nF 50V	3253 6213
CO 53	C CER1 SMD 47pF 50V	3212 5616
CO 54 [△]	C CER2 RAD 330pF 2K0V	3279 0042
CO 55	C (M)KT RAD 470nF 100V	3338 0017
CO 57	C CER1 SMD 470pF 50V	3214 5430
CO 60	C ECAP RAD 1µ0 63V	3454 0022
CO 62	C ECAP BLK 470µF 40V	3451 0014
CO 64	C (M)KT BLK 100nF 400V	3314 2209
CO 68	C (M)KP BLK 33nF 2, 5% 630V	3346 0023
CO 69	C ECAP RAD 10µF 50V	3422 9806
CO 70, 75, 76	C CER2 SMD 1n0 50V	3253 6203
CO 71	C CER1 SMD 100pF 50V	3212 5515
CO 73	C CER2 SMD 100nF 25V	3219 0001
CR 31	C ECAP RAD 22µF 16V	3422 3250
CR 32, 34, 41, 50	C CER2 SMD 100nF 25V	3219 0001
CR 33	C TANT SMD 10µF 6V3	3442 1010
CR 36, 37	C CER1 SMD 39pF 50V	3212 5512
CR 38	C CER2 SMD 47nF 50V	3253 6222
CR 39	C CER2 SMD 10nF 50V	3253 6213
CR 40	C ECAP RAD 10µF 16V	3422 3249
CR 51	C CER2 SMD 1n0 50V	3253 6203
CR 52	C CER2 SMD 100nF 50V	3253 5920
CS 01, 03	C ECAP RAD 470µF 16V	3422 0551
CS 02	C CER2 SMD 100nF 25V	3219 0001
CS 04	C CER2 SMD 100nF 50V	3253 5920
CS 05	C (M)KT RAD 220nF 100V	3338 0005
CS 30	C ECAP BLK 220µF 35V	3422 0552
CS 31	C CER2 SMD 470nF 25V	3253 0923

TRANSISTORS



VA 01, 04	TR NPN SMD BC848B	3614 5322
VD 70	TR NPN SMD BC848B	3614 5322
VD 71	TR PNP SMD BC858B	3614 5422
VF 26, 27	TR NPN SMD PDMC114ET	3628 0004
VK 01	TR NPN RAD BC337-25	3614 7138
VK 10	TR NPN BLK S2000N 1K5V 8A	3627 0014
VK 10	FASTENING SPRING	7940 0018
VK 40, 41	TR PNP SMD BC858C	3614 5423
VK 45	TR NPN BLK BD241C	3627 0017
VK 45	FASTENING SPRING	7940 0018
VO 13	N-FET BLK STP6NA80FI 800V	3637 0010
VO 13	FASTENING SPRING	7940 0018
VO 52	TR NPN RAD BF422	3612 5217
VO 40, 57, 60	TR NPN SMD BC848B	3614 5322
VR 50	TR NPN SMD BC848B	3614 5322

Item	Description	Order no.
DIODES		
VD 03	DI SMD LS4148 75V 200mA	3649 0002
VD 20	DI AX 1N4148 75V 200mA	3642 0002
VK 02, 23, 24, 25	DI PWR AX BA158 600V 0.5A	3656 1010
VK 11	DI AX BYW76 600V 3.0A	3662 1558
VK 12	DI PWR AX BY228 1K5V 5A	3657 5543
VK 15	DI SMD BYG20G 200V 1.5A	3649 0001
VO 01, 02, 03, 04	DI PWR AX BY527 1K25V 2A	3661 0001
VO 6, 7, 8, 10, 54	DI PWR AX BA158 600V 0.5A	3656 1010
VO 20	DI SMD LL4148 75V 200mA	3656 0311
VO 31	DI AX BYT56J 600V 1.5A	3624 0001
VO 32	DI AX RECT BYV28 100V 3.5A	3657 5450
VO 34, 35, 53	DI PWR AX BYW32 200V 2.0A	3657 5413
VO 39	DI SMD LS4148 75V 200mA	3649 0002
VO 50	DI AX RECT BYV28 200V 3.5A	3662 1557
VS 30	DI PWR AX 1N4002 100V 1A	3657 1136
VS 31	DI SMD LS4148 75V 200mA	3649 0002
VS 32	DI AX 1N4148 75V 200mA	3642 0002
VS 33	DI SMD LL4148 75V 200mA	3656 0311

ZENERS



VD 01	Z DI SMD BZV55C 12V 5%	3653 1634
VD 02	Z DI AX BZX55B 18V 2%	3677 0030
VD 04	Z DI SMD BZX84C 8V2 5%	3678 0003
VK 43	Z DI SMD BZX84C 2V4 5%	3678 0005
VO 05	Z DI AX BZX85C 13V 5%	3677 0004
VO 51	Z DI AX BZX55C 33V 5%	3677 0029
VO 55	Z DI AX BZX83C 36V 5%	3677 0007
VO 61	Z DI SMD BZX84C 3V3 5%	3677 0018
	Z DI AX BZX83C 36V 5%	3677 0007
	Z DI AX BZX55B 43V 2%	3677 0028

INTEGRATED CIRCUITS





NA 01*	IC AUDIO MSP3410D-PO-C6	3743 0020
NA 01*	IC AUDIO MSP3400C-PO-B4	3743 0026
NA 02	IC V-REG MC78L08AC 8V 0.1A	3746 0002
NA 50	IC AUDIO TDA7263M 12+12W	3763 1241
NA 50	FASTENING SPRING	7940 0019
NA 70	IC AUDIO TDA2822M	3763 1248
ND 01	IC VIDEO TDA8854H/N2/S1	3741 0027
NF 01	IC µC SMD SDA30C263M2	3785 7002
NF 02	IC SOCKET DL32	4152 0751
NF 02	IC PROM 256Kx8 M27C2001-10B1 DI	3786 4013
NF 02	CURRENT SOFTWARE VERSION 28.10.1999	SP2A04.0
NF 03	IC EEPROM SMD 2Kx8 24LC16B	3786 6005
NF 04	IC TL7705AACDR	3746 0011
NO 01	IC PWR CONT TEA2262	3745 0002
NO 02	IC V-REG. TDA8132 5,1/12V 1,0A	3746 0024
NO 02	FASTENING SPRING	7940 0019
NO 04	IC V-REG L78M05CV 5V 0.5A	3786 1794
NO 05	IC SMD STV5180A	3741 0024
NO 07	IC V-REG. LM317T ADJ. 1,5A	3768 1815
NO 07	FASTENING SPRING	7940 0018
NR 01	IC µP TPU3050S-PO-B3	3785 0221
NR 02*	IC SRAM TC551001BFL-70L	3786 0042
NR 04*	IC DRAM SMD HM514100CTT-7 TS	3786 2005
NS 10	IC DEFL. TDA8172	3763 1270
NS 10	FASTENING SPRING	7940 0018

FUSES




FO 03 [△]	FUSE F2,5A MINIATURE	4377 0004
FO 02 [△] , 04 [△] , 05 [△] , 06 [△]	MODUL-PROTECTOR 2A MP200	4377 0007


Item	Description	Order no.
TRANSFORMERS		
		
TK 01	POWER TRANSFORMER	4523 1187
TK 02 [△]	DST Eldor 1192.6012A	4536 0033
TO 01 [△]	PULSE TRANSFORMER	4534 0008
TO 02 [△]	MAINS TRANSFORMER	4532 0047


Item	Description	Order no.
COILS		
		
LA 01	COIL AX 4.7μH 620mA	4562 0008
LA 02	COIL RAD 4.7μH 560mA	4563 0010
LA 04, 05	COIL BLK 5μH 1200mA RAD	4562 0055
LA 70	COIL AX 10μH 1200mA	4557 1698
LD 01	COIL AX 15μH 10% 610mA	4562 0006
LD 02	COIL AX 15μH 10% 610mA	4562 0006
LF 01	EMI FIL RAD 4n7 1.0A	4555 8419
LK 10	EMI SUPPRES BEAD 3.5x6	4654 1503
LK 11*	LIN COIL BLK 35μH	4516 1219
LK 11*	LIN COIL BLK 46μH	4516 1207
LK 21	COIL BLK RAD 82μH 5% 1A	4557 0936
LK 60	COIL BLK RAD 490μH 3.3A	4538 0006
LL 01	COIL AX 4.7μH 620mA	4562 0008
LO 05	EMI SUPPRES BEAD 9μH	4557 0612
LO 31, 32, 33	EMI SUPPRES BEAD 3,5x6	4654 1503
LR 01	COIL AX 10μH 1200mA	4557 1698
LR 02	COIL AX 10μH 1200mA	4557 1698

Item	Description	Order no.
CRYSTALS		
		
ZA 10	CRYSTAL BLK 18.432 MHz	4571 0011
ZD 01	CRYSTAL RAD 4.43361 MHz	4571 0012
ZF 01	CRYSTAL BLK 12.00MHz	4573 0005
ZR 01	CRYSTAL RAD 20.250 MHz	4571 0006

Item	Description	Order no.
OTHERS		
		
	31820003 PRE FORM	3182 0003
	CRIPLET 1,9mm	4193 0009
XA 01	ROW CONN 4-PIN	7319 0604
XA 03, 04	SPEAKER CONN	4191 0003
XD 02	SCART CONNECTOR, BLACK	4145 0292
XD 04	CONN ROW 7-PIN	4171 0031
XF 02	CONN ROW 12-PIN	4172 0035
XK 03 [△]	ROW CONN 2-PIN	7318 4750
XK 05	CONN ROW 8-PIN	4171 0032
XO 02	STIFTW.KA. 5.08 SW	7319 0702
XO 06	CONN ROW 5-PIN	4171 0052
XS 01	ROW CONN 2-PIN	7319 1101


Control unit Push thru (in Main board)


Item	Description	Order no.
RESISTORS		
		
RE 05	R SMD 39K 0W10	3142 5841
RE 06, 21	R SMD 270R 0W10	3142 5855
RE 15, 18, 20	R SMD 15K 0W10	3142 5835
RE 19	R SMD 47K 0W10	3142 5836
RE 24	R SMD 470R 0W10	3142 5817
RE 32	R CARF AX 10K 5% 0W25	3166 0022
RE 33	R SMD 330R 0W25	3142 5614
RE 31, 64	R SMD 100K 0W10	3142 5844
RE 54, 55	R SMD 33R 0W25	3142 5606
RE 60, 61, 62, 63	R SMD 680K 0W25	3142 5678
RE 65	R SMD 100R 0W10	3142 5852
WE 02, 24	R SMD 0R 0W25	3142 5601
WE 03, 23	R SMD 0R 0W10	3142 5802


Item	Description	Order no.
CAPACITORS		
		
CE 01	C CER2 SMD 100nF 25V	3219 0001
CE 02 [△]	C MP/P BLK 100nF 275VAC	3326 0003
CE 03 [△]	C MP/P BLK 330nF 275VAC	3345 0004
CE 13	C ECAP RAD 100μF 10V	3422 2576
CE 54, 55	C CER2 SMD 22nF 25V	3252 5705
CE 58	C ECAP RAD 10μF 16V	3422 3249

Item	Description	Order no.
TRANSISTORS		
		
VE 8, 11	TR PNP SMD BC858B	3614 5422
VE 20	TR NPN SMD BC848B	3614 5322


Item	Description	Order no.
DIODES		
		
VE 01	DI SMD LS4148 75V 200mA	3649 0002
VE 03	LED RAD LS4560HL RED	3691 0004
VE 07	LED RAD LG5460GK GREEN	3691 0005


Item	Description	Order no.
FUSES		
		
FE 01 [△]	FUSE T3,15A HIGH BREAK	4375 1652
FE 01	FUSEHOLDER CLIPS 5X20mm	4154 0001


Item	Description	Order no.
COILS		
		
LE 01, 02	COIL RAD 10μH 10% 230mA	4563 0002
LE 03 [△]	MAINS INPUT COIL 2x39mH	4557 0446
LE 04	COIL AX 25μH 1500mA	4562 0052

Item	Description	Order no.
OTHERS		
		
AE 01	IR-RECEIVER TSOP1738 3-pin	5888 0977
SE 01	TACTILE SWITCH 4 in row	4115 0685
SE 02 [△]	MAINS SWITCH 250V 5/120A	4121 0007
SE 03	CONN PHONO 3.5mm JACK	4191 3003
XE 01	ROW CONN 2-PIN	7318 4750
XF 01	CONN MODULAR 6-PIN	4191 0002






FC810 Control unit module





Item	Description	Order no.
RESISTORS		
		
JFC 11, 14, 15	R SMD 0R 0W10	3142 5802
RFC 6	R SMD 270R 0W10	3142 5855
RFC 15, 18, 20	R SMD 15K 0W25	3142 5637
RFC 19	R SMD 47K 0W25	3142 5639
RFC 21	R SMD 270R 0W25	3142 5613
RFC 24	R SMD 470R 0W10	3142 5817
RFC 30	R SMD 10K 0W10	3142 5833
RFC 31	R SMD 100K 0W25	3142 5646
RFC 32	R SMD 10K 0W25	3142 5635
RFC 33	R SMD 330R 0W25	3142 5614
RFC 54, 55	R SMD 33R 0W25	3142 5606
RFC 60, 61, 62, 63	R SMD 680K 0W25	3142 5678
RFC 64	R SMD 100K 0W10	3142 5844
RFC 65	R SMD 100R 0W10	3142 5852





Item	Description	Order no.
CAPACITORS		
		
CFC 1	C CER2 SMD 100nF 25V	3219 0001
CFC 2 [△]	C MP/P BLK 100nF 275VAC	3326 0003
CFC 3 [△]	C (M)KP BLK 330nF 275VAC	3324 0928
CFC 13	C ECAP RAD 100μF 10V	3422 2576
CFC 54, 55	C CER2 SMD 22nF 25V	3252 5705
CFC 58	C ECAP RAD 10μ 16V	3422 3249

Item	Description	Order no.
TRANSISTORS 		
TFC 8, 11	TR PNP SMD BC858B	3614 5422
TFC 20	TR NPN SMD BC848B	3614 5322
DIODES 		
DFC 1	DI SMD LS4148 75V 200mA	3649 0002
DFC 5	LED RAD LS5460HL RED	3691 0004
DFC 7	LED RAD LG5460GK GREEN	3691 0005
FUSES 		
FFC 1 Δ	FUSE PRIMARY T3,15A	4375 1652
FFC 1	FUSEHOLDER CLIP 5X20mm	4154 0001
COILS 		
LFC 1, 2	COIL RAD 10 μ H 10% 230mA	4563 0002
LFC 3 Δ	MAINS INPUT COIL 2x39mH	4557 0446
LFC 4	COIL AX 25 μ H 1500mA	4562 0052
OTHERS 		
HFC 1	CRIPLET 1,9mm	4193 0009
SWFC 1-4	IR-RECEIVER TSOP1738	5888 0977
UFC 1 Δ	TACTILE SWITCH 4	4115 0685
XFC 1	MAINS SWITCH 250V 4/80A	4121 0004
XFC 3	ROW CONN 2-PIN	7318 4750
XFC 4	JACK PHONO CONN 3,5mm	4191 3003
XFC 5	CONN ROW 12-PIN	4172 0035
XFC 5	CONN ROW 5-PIN	4171 0052


HH810 CRT module


Item	Description	Order no.
RESISTORS 		
RH 3,06	R CARF AX 1K0 5% 0W25	3166 0016
RH 5	R CARF AX 560K 0W25	3166 0061
RH 9 Δ	R CARF RAD 100R 5% 0W25	3151 4516
RH 20,30,40	R SMD 0R 0W10	3142 5802
RH 25,35,45	R SMD 100R 0W10	3142 5852
RH 29,39,49	R COMP AX 1K0 0W25	3159 5573
RH 44	R CARF AX 4K7 5% 0W25	3166 0031
CAPACITORS 		
CH 1	C (M)KT BLK 10nF 2K0V	3346 0035
CH 12	C (M)KT RAD 100nF 250V	3338 0022
CH 14,15	C ECAP BLK 22 μ F 250V	3426 0521
CH 61	C CER1 SMD 330pF 50V	3212 5517
DIODES 		
VH 5	DI SMD BYG20G 200V 1,5A	3649 0001
INTEGRATED CIRCUITS 		
NH 1	IC VID TDA6108JF DBS9MPF	3744 0062
OTHERS 		
XH 1 Δ	PICTURE TUBE SOCKET	4155 4034
XH 4	CONN ROW 7-PIN	4171 0031
XH 5	CONN ROW 8-PIN	4171 0032


Item	Description	Order no.
SR800 Frontend module (BG)		
RESISTORS 		
CL 245	R SMD 0R 0W10	3142 5802
RL 202, 23	R SMD 0R 0W25	3142 5601
RL 203, 204, 206, 286	R SMD 100R 0W10	3142 5852
RL 205, 276	R SMD 1K0 0W25	3142 5622
RL 207, 213	R SMD 1K0 0W10	3142 5820
RL 212, 214	R SMD 150R 0W10	3142 5812
RL 220	R SMD 6K8 0W10	3142 5831
RL 221	R SMD 4K7 0W10	3142 5824
RL 222, 26	R SMD 620R 0W10	3142 5859
RL 223, 244	R SMD 15K 0W10	3142 5835
RL 224, 238, 239	R SMD 100K 0W10	3142 5844
RL 227	R SMD 27K 0W25	3142 5659
RL 228	R SMD 27K 0W10	3142 5839
RL 229	R SMD 7K5 0W10	3142 5893
RL 231	R SMD 18K 0W10	3142 5813
RL 232	R SMD 22K 0W25	3142 5638
RL 242	R SMD 10K 0W10	3142 5833
RL 243	R SMD 33K 0W25	3142 5660
RL 245, 277	R SMD 47K 0W10	3142 5836
RL 246	R SMD 330R 0W10	3142 5857
RL 256	R SMD 560R 0W10	3142 5818
RL 261	R SMD 300R 0W25	3142 5658
RL 278	R SMD 12K 0W10	3142 5834
RL 279	R SMD 1K5 0W10	3142 5826
RL 280	R SMD 220R 0W10	3142 5815
RL 282	R SMD 3M3 0W10	3142 5884
RL 291	R SMD 3K3 0W10	3142 5829
RL 292	R SMD 680R 0W10	3142 5860
VL 224	R SMD 0R 0W25	3142 5601
W 221, 235, 237, 241, 242, 251, 252, 254, 261	R SMD 0R 0W25	3142 5601
W 225, 232, 236, 246, 249, 256, 257, 260	R SMD 0R 0W10	3142 5802
CAPACITORS 		
CL 201, 205, 220, 221, 224, 225, 229, 236, 238	C CER2 SMD 22nF 25V	3252 5705
CL 202, 203, 206	C CER1 SMD 22pF 50V	3212 5521
CL 207, 26	C ECAP RAD 47 μ F 16V	3422 3251
CL 213	C CER1 SMD 1n0 50V	3212 5545
CL 222	C CER1 SMD 47pF 50V	3212 5508
CL 223	C ECAP RAD 100 μ F 16V	3422 3252
CL 226, 235, 246	C CER2 SMD 100nF 25V	3219 0001
CL 227	C CER1 SMD 120pF 50V	3212 5523
CL 228	C ECAP RAD 220 μ F 10V	3422 2575
CL 230	C CER1 SMD 8p2 50V	3218 0034
CL 233	C CER1 SMD 82pF 50V	3214 5618
CL 234	C CER1 SMD 82pF 50V	3214 5418
CL 239, 243, 244	C ECAP RAD 1 μ 0 63V	3422 7052
CL 240	C CER2 SMD 4n7 50V	3253 6210
CL 268	C TANT SMD 1 μ 0 16V	3442 1050
CL 269	C ECAP RAD 10 μ F 16V	3422 3249
TRANSISTORS 		
VL 230	TR NPN SMD PDTC114ET	3628 0004
VL 264	TR PNP SMD BC858B	3614 5422
VL 220, 266	TR PNP SMD BF824	3612 0751
VL 223, 239, 265	TR NPN SMD BC848B	3614 5322
DIODES 		
VL 221, 222	DI SMD LL4148 75V 200mA	3656 0311
VL 234	DI SMD CAP BB729 3/33pF	3651 0102

Item	Description	Order no.
INTEGRATED CIRCUITS 		
NL 230	IC VIDEO SMD TDA6930X28	3745 0009
COILS 		
LL 201	COIL AX 4,7µH 620mA	4562 0008
LL 202	COIL SMD 1,0µH 370mA	4564 0020
LL 220	COIL SMD 4,7µH 250mA	4564 0007
LL 260	COIL RAD 15µH 330mA	4557 2075
ZL 1	COIL ADJ 150nH	4553 0026
FILTERS 		
ZL 220	SAW FILTER OFW G3956M	4574 0025
ZL 221	SAW FILTER OFW G9251M	4574 0004
ZL 260	FIL CER RAD TPS 5,5 MD	4555 8414
OTHERS 		
AL 1	SUPPORT BRACKET 1	8448 1710
AL 2	SUPPORT BRACKET 2	8448 1700
TL 200	TUNER Temic 5002PH5	5823 1032
XL 2	SOCKET 21-PIN	4171 0047

SR801 Frontend module (Multinorm)


Item	Description	Order no.
RESISTORS 		
CL 245	R SMD 0R 0W10	3142 5802
RL 202	R SMD 0R 0W25	3142 5601
RL 203, 204, 206,		
246, 262, 274, 286	R SMD 100R 0W10	3142 5852
RL 205, 276	R SMD 1K0 0W25	3142 5622
RL 207, 213, 247	R SMD 1K0 0W10	3142 5820
RL 212, 266	R SMD 680R 0W10	3142 5860
RL 214, 280, 284	R SMD 220R 0W10	3142 5815
RL 220	R SMD 6K8 0W10	3142 5831
RL 221, 263	R SMD 4K7 0W10	3142 5824
RL 222	R SMD 620R 0W10	3142 5859
RL 223, 244	R SMD 15K 0W10	3142 5835
RL 224, 238, 239, 257	R SMD 100K 0W10	3142 5844
RL 225	R SMD 3K3 0W25	3142 5627
RL 226, 291	R SMD 3K3 0W10	3142 5829
RL 227	R SMD 27K 0W25	3142 5659
RL 228	R SMD 27K 0W10	3142 5839
RL 229	R SMD 7K5 0W10	3142 5893
RL 230	R SMD 4K7 0W25	3142 5629
RL 231	R SMD 18K 0W10	3142 5813
RL 232	R SMD 22K 0W25	3142 5638
RL 233	R CARF AX 100R 0W25	3166 0049
RL 237, 249, 250, 255	R SMD 10K 0W25	3142 5635
RL 242, 251, 254	R SMD 10K 0W10	3142 5833
RL 243	R SMD 33K 0W25	3142 5660
RL 245, 252, 277	R SMD 47K 0W10	3142 5836
RL 253	R SMD 47K 0W25	3142 5639
RL 256, 278, 292	R SMD 12K 0W10	3142 5834
RL 258	R SMD 100K 0W25	3142 5646
RL 261	R SMD 150R 0W25	3142 5655
RL 264	R SMD 470R 0W10	3142 5817
RL 265	R SMD 430R 0W10	3142 5879
RL 267, 270, 272	R SMD 390R 0W10	3142 5816
RL 268	R SMD 330R 0W10	3142 5857
RL 269, 271	R SMD 300R 0W10	3142 5856
RL 273	R SMD 0R 0W10	3142 5802
RL 275	R SMD 820R 0W10	3142 5819
RL 279	R SMD 1K5 0W10	3142 5826
RL 281	R SMD 560R 0W10	3142 5818
RL 282	R SMD 3M3 0W10	3142 5884
RL 289, 29	R SMD 330R 0W25	3142 5614
RL 293	R SMD 2K2 0W10	3142 5828

Item	Description	Order no.
W 221, 222, 226,		
234, 235, 237,		
241, 242, 244,		
248, 250, 254, 261	R SMD 0R 0W25	3142 5601
W 223, 229, 232,		
233, 236, 238, 239,		
246, 249, 256, 257	R SMD 0R 0W10	3142 5802
CAPACITORS 		
CL 201, 205, 220, 221,		
224, 225, 229, 236,		
238, 255, 263, 267	C CER2 SMD 22nF 25V	3252 5705
CL 202, 203, 206,	C CER1 SMD 22pF 50V	3212 5521
CL 207, 26	C ECAP RAD 47µF 16V	3422 3251
CL 213, 231, 232	C CER1 SMD 1n0 50V	3212 5545
CL 222	C CER1 SMD 47pF 50V	3212 5508
CL 223	C ECAP RAD 100µF 16V	3422 3252
CL 226, 235, 246	C CER2 SMD 100nF 25V	3219 0001
CL 227, 261	C CER1 SMD 120pF 50V	3212 5523
CL 228	C ECAP RAD 220µF 10V	3422 2575
CL 230	C CER1 SMD 8p2 50V	3218 0034
CL 233	C CER1 SMD 82pF 50V	3214 5618
CL 234	C CER1 SMD 82pF 50V	3214 5418
CL 237	C CER2 SMD 1µ0 16V	3279 0022
CL 239, 241, 243, 244	C ECAP RAD 1µ0 63V	3422 7052
CL 240, 242	C CER2 SMD 4n7 50V	3253 6210
CL 262	C CER1 SMD 47pF 50V	3218 0019
CL 264	C CER1 SMD 68pF 50V	3218 0020
CL 268	C TANT SMD 1µ0 16V	3442 1050
CL 269	C ECAP RAD 10µF 16V	3422 3249
W 259	C (M)KT RAD 100nF 63V	3312 4730


Item	Description	Order no.
TRANSISTORS 		
VL 220, 266	TR PNP SMD BF824 30V	3612 0751
VL 223, 231, 232,		
233, 237, 238, 239,		
260, 261, 262, 265	TR NPN SMD BC848B 30V	3614 5322
VL 226, 227, 230	TR NPN SMD PDTC114ET 50V	3628 0004
VL 235, 264	TR PNP SMD BC858B 30V	3614 5422

Item	Description	Order no.
DIODES 		
VL 221, 222, 228, 229	DI SMD LL4148 75V 200mA	3656 0311
VL 224, 225	DI SMD BA782 35V	3656 0420
VL 234	DI SMD CAP BB729 3/33pF	3651 0102


Item	Description	Order no.
INTEGRATED CIRCUITS 		
NL 230	IC VIDEO SMD TDA6931X	3745 0012
NL 250	IC LOGIC SMD 4094BT	3781 0015
NL 260	IC LOGIC SMD 4052BT	3781 0014


Item	Description	Order no.
COILS 		
LL 201	COIL AX 4,7µH 620mA	4562 0008
LL 202	COIL SMD 1,0µH 370mA	4564 0020
LL 220	COIL SMD 4,7µH 250mA	4564 0007
LL 260	COIL RAD 2,2µH 10% 520mA	4563 0003
LL 261, 262	COIL RAD 15µH 330mA	4557 2075
ZL 1	COIL ADJ 150nH Toko	4553 0026

Item	Description	Order no.
FILTERS 		
ZL 220	SAW FILTER OFW K3953M	4574 0017
ZL 221	SAW FILTER OFW K9552M	4574 0028
ZL 224	SAW FILTER OFW L9453M	4574 0010
ZL 261	CERAMIC-TRAP 6,0/6,5 MHz	4576 0003
ZL 262	FIL CER RAD TPS 5,5 MD	4555 8414

Item	Description	Order no.
OTHERS 		
AL 1	SUPPORT BRACKET 1	8448 1710
AL 2	SUPPORT BRACKET 2	8448 1700
TL 200	TUNER Temic 5002PH5	5823 1032
X 2	SOCKET 21-PIN frontend	4171 0047

TA801 Scart 2 module

RESISTORS 		
RTA 1, 2, 13, 14	R SMD 1K0 0W10	3142 5820
RTA 3, 4	R SMD 330R 0W10	3142 5857
RTA 5	R SMD 15K 0W10	3142 5835
RTA 6, 7, 20	R SMD 470K 0W10	3142 5848
RTA 8, 15, 16, 51	R SMD 10K 0W10	3142 5833
RTA 9, 11	R SMD 2K7 0W10	3142 5821
RTA 10, 12	R SMD 100R 0W10	3142 5852
RTA 17, 19	R SMD 100K 0W10	3142 5844
RTA 21, 22	R SMD 75R 0W10	3142 5861
RTA 40	R SMD 680R 0W10	3142 5860
RTA 50	R SMD 75R 0W25	3142 5669
RTA 52	R SMD 56K 0W10	3142 5842
RTA 53	R SMD 470R 0W10	3142 5817
RTA 54, 55	R SMD 150R 0W10	3142 5812
RTA 56	R SMD 22R 0W25	3142 5605
WTA 3, 52, 53, 54	R SMD 0R 0W10	3142 5802
WTA 6, 8, 50, 51, 55	R SMD 0R 0W25	3142 5601

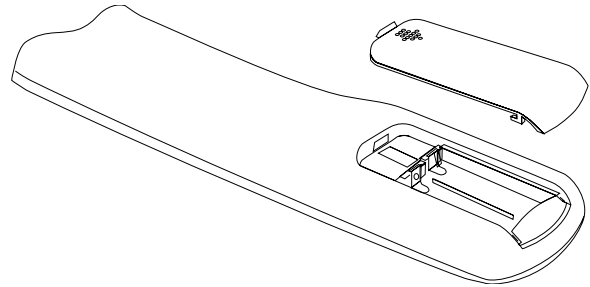
CAPACITORS 		
CTA 1, 3, 36	C CER2 SMD 1µ0 16V	3279 0022
CTA 5, 6, 7, 8, 22	C CER1 SMD 330pF 50V	3212 5517
CTA 9, 1	C CER2 SMD 1n0 50V	3253 6203
CTA 13	C CER2 SMD 100nF 25V	3219 0001
CTA 20, 21	C CER1 SMD 33pF 50V	3212 5507
CTA 37	C ECAP RAD 220µF 16V	3422 8412
CTA 50	C ECAP RAD 10µF 35V	3454 0027

TRANSISTORS 		
VTA 1, 5	TR PNP SMD BC858B	3614 5422
VTA 2, 3, 4, 8	TR NPN SMD BC848B	3614 5322

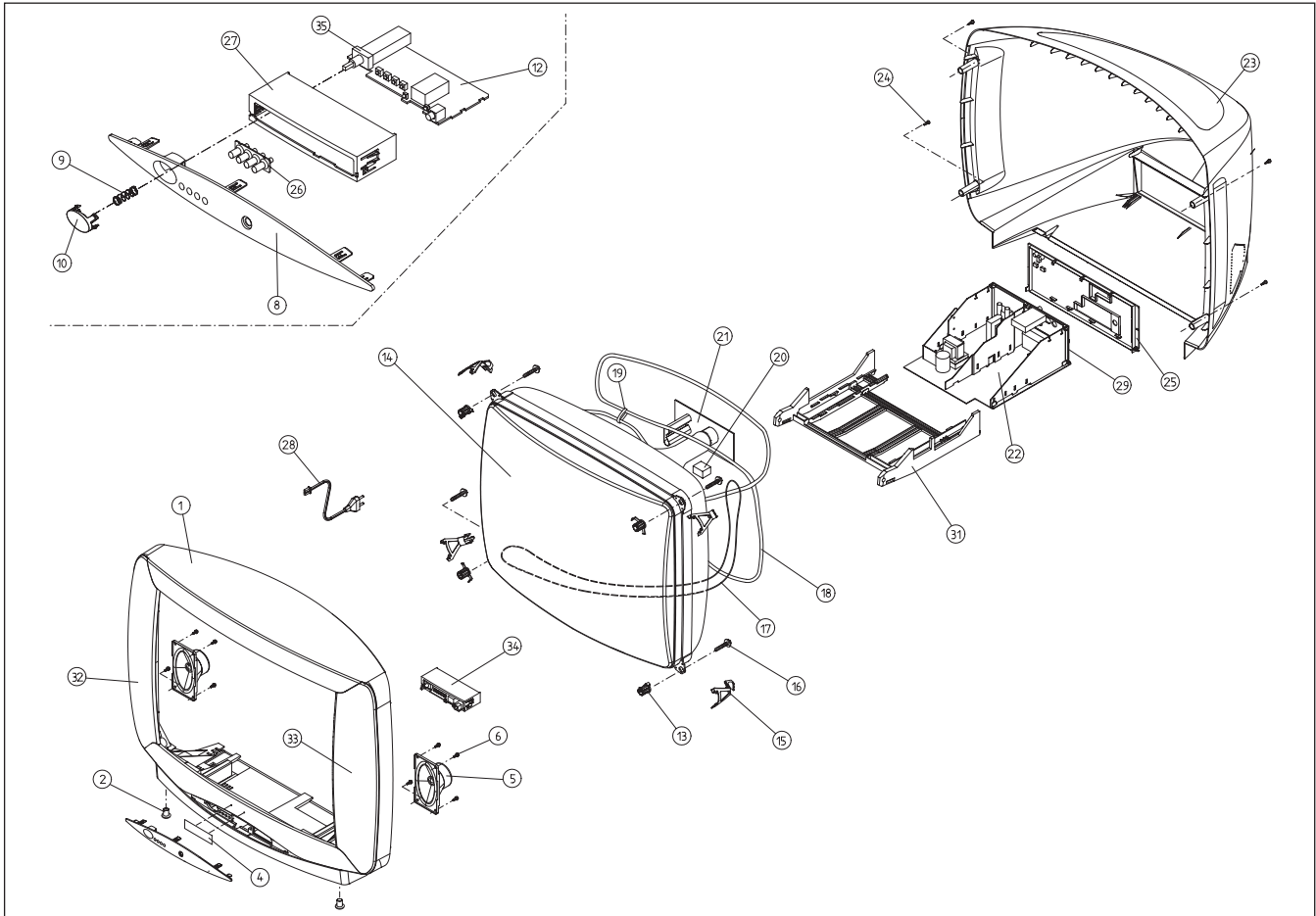
OTHERS 		
S 2	SCART CONNECTOR	4191 1002
SO 2	RCA CONNECTOR, RED	4192 0001
SO 1	RCA CONNECTOR, WHITE	4192 0002
XTA 1	F-CONNECTOR 19-PIN	7318 3019

RCN800 Remote Control

Description	Order no.
REMOTE CONTROL NOKIA	RCN800
BATTERY COVER	8443 1013

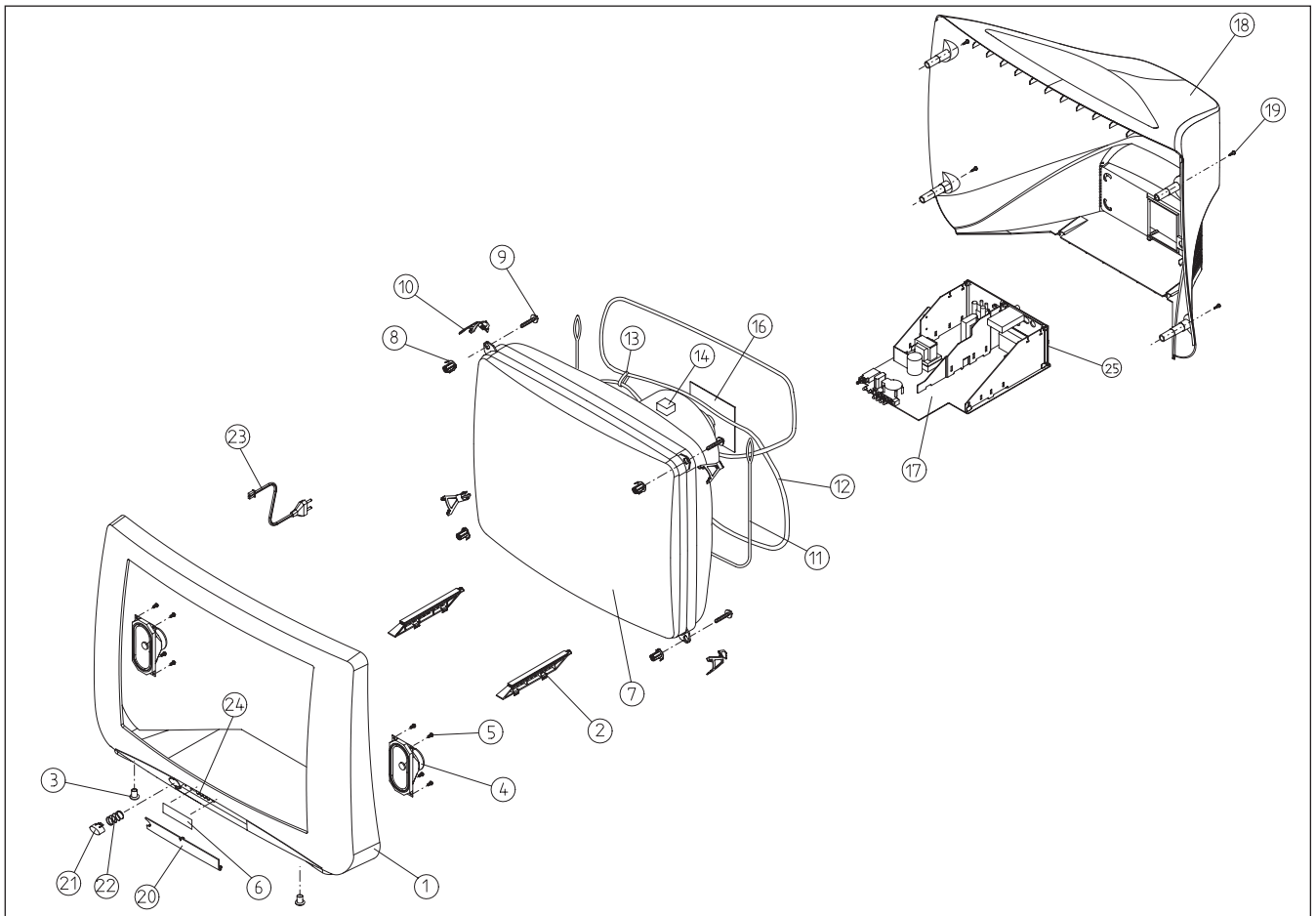


Mechanical parts 25"/28" L1



Item	Description	Order no.	Item	Description	Order no.
1 ▲	CABINET 25L1 MATT DIGI BLACK	8201 2020	▲	ANODE CABLE	9600 8868
1 ▲	CABINET 28L1 MATT DIGI BLACK	8201 2030		ANODEN CLIP 4mm	5404 1417
1 ▲	CABINET 28L1 WHITE	8510 0410		CABLE ASS 12-PIN 500mm	4758 5011
2	FOOT	8042 4027		CABLE ASS 2+2-PIN 700mm	
4	BADGE NOKIA	UA 1243		FOR LOUDSPEAKERS	4758 5013
5	LOUDSPEAKER	4312 0005		CABLE ASS 5-PIN 500mm	4758 5022
6	PT-SCREW KB 40x10 FOR LOUDSPEAKER	WC 0353		CABLE ASS 8-PIN 400mm	4758 5026
8	FLAP (6351-T & 7151-T)	8455 2860		CABLE CRT-CHASSIS 400mm	4888 8050
8	FLAP NICAM STEREO	8455 2850	▲	DST CABLE 220mm	9601 0143
9	COMPRESSION SPRING	7352 5410	▲	FOCUS CABLE 1,2 410mm	9601 0142
10	MAINS BUTTON	8042 5265		FOR CABLE HOLDING 11mm	6522 0402
12	CONTROL UNIT MODULE	FC810		FOR CABLE HOLDING 18mm	6522 0407
13	PICTURE TUBE HOLDER	8448 0810		HOLDER PCB RLCBSRE 10-19	8448 1680
14▲	PICTURE TUBE			WIRE BUNDLE H-DEFLECTION	9601 1078
	(SEE SECTION VARIABLE COMPONENTS, PAGE 13)			WIRE BUNDLE V- DEFLECTION	9601 1080
15	DEGAUSSING COIL HOLDER	UG 0585		FRONTEND MODULE (SR)	
16	PT-SCREW K70X30 FOR PICTURE TUBE	WC 0426		(SEE SECTION VARIABLE COMPONENTS, PAGE 13)	
17	GROUNDING WIRE	6141 0351			
18▲	DEGAUSSING COIL	4588 0814			
19	WIRETIE	6522 1205			
20	FELT PAD	8044 0385			
21▲	CRT MODULE	HH810			
22▲	CHASSIS				
	(SEE SECTION VARIABLE COMPONENTS, PAGE 13)				
23▲	BACK COVER 25L1 MATT DIGI BLACK	8430 2860			
23▲	BACK COVER 28L1 MATT DIGI BLACK	8240 3260			
23▲	BACK COVER 28L1 WHITE	8430 3580			
24	PT-SCREW KB 40x20 FOR BACK COVER	WC 0354			
25	COVER PLATE	8440 5080			
26	PUSH BUTTON	4188 1600			
27	CONTROL UNIT FRAME	8446 1020			
28▲	MAINS CABLE	4131 2514			
29	REAR PLATE	8440 0920			
31	CHASSIS FRAME	8448 1720			
32	GRILL LEFT MATT DIGI BLACK	8010 1081			
33	GRILL RIGHT MATT DIGI BLACK	8010 1080			
34	CONTROL UNIT	SY821			
35▲	MAINS SWITCH	4121 0004			

Mechanical parts 28" Q1



Item	Description	Order no.	Item	Description	Order no.
1	▲ CABINET 28Q1 MATT DIGI BLACK	8510 0520	▲	ANODE CABLE	9600 8868
2	CHASSIS HOLDER	8440 0810	▲	ANODEN CLIP 4mm	5404 1417
3	FOOT	8042 4027		CABLE ASS 2+2-PIN 700mm	
4	LOUDSPEAKER 57x126mm	4312 0019		FOR LOUDSPEAKERS	4758 5013
5	PT-SCREW KB 40x10 FOR LOUDSPEAKER	WC 0353		CABLE ASS 8-PIN 400mm	4758 5026
6	BADGE NOKIA	UA 1243		CABLE CRT-CHASSIS 400mm	4888 8050
7	▲ PICTURE TUBE		▲	DST CABLE 220mm	9601 0143
	(SEE SECTION VARIABLE COMPONENTS, PAGE 13)		▲	FOCUS CABLE 1,2 410mm	9601 0142
8	PICTURE TUBE HOLDER	8448 0810		FOR CABLE HOLDING 18mm	6522 0407
9	PT-SCREW K70x30 FOR PICTURE TUBE	6203 4039	▲	MAINS SWITCH	4121 0007
10	DEGAUSSING COIL HOLDER	UG 0585		WIRE BUNDLE H-DEFLECTION	9601 1078
11	GROUNDING WIRE	6141 0351		WIRE BUNDLE V-DEFLECTION	9601 1080
12	▲ DEGAUSSING COIL	4588 0814		FRONTEND MODULE (SR)	
13	WIRETIE	6522 1205		(SEE SECTION VARIABLE COMPONENTS, PAGE 13)	
14	FELT PAD	8044 0385			
16	▲ CRT MODULE	HH810			
17	▲ CHASSIS				
	(SEE SECTION VARIABLE COMPONENTS, PAGE 13)				
18	▲ BACK COVER 28Q1 MATT DIGI BLACK	8430 3600			
19	PT-SCREW KB 40x20 FOR BACK COVER	WC 0354			
20	FLAP NICAM STEREO	8450 1230			
21	MAINS BUTTON	8468 0530			
22	COMPRESSION SPRING	UC 3051			
23	▲ MAINS CABLE	4131 2514			
24	FLAP LOCK	8041 3473			
25	REAR PLATE	8440 0680			

