

Level	Item No.	Alternative	12NC	Description	Safety	PCM Code	HTS4282 /12
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#### Main Unit parts

01	01		996510045459	TOP PANEL		49-TS4282-00XB1	√
01	03		996510045449	ASSY-TOUCH BOARD		08-TS4282-TCY	√
01	06		996510045448	ASSY-MAIN BOARD		08-TS4282-MAY	√
01	08		996510045411	ASSY-LOADER		08-TS4282-ASAO	√
01	09		996510045452	ASSY-POWER BOARD		08-TS4282-PW0	√
01	12		996510045371	ASSY-KARAOKE AND USB BOARD		08-TS4282-KUY	√
01	13		996510045372	ASSY-BOTTOM PLATE		08-TS4282-002	√
01	14		996510045373	ASSY-FRONT CONTROL BOARD		08-TS4282-FVY	√
01	18		996510045374	CD DOOR		55-4282D0-0HMB1	√
01	19		996510045445	RUBBER FOOT		59-103970-000	√
01	23		996510045447	ASSY-AMPLIFIER BOARD		08-TS4282-AMY	√
01	24		996510045403	DC FAN		43-FM412S-211-M	√
01	14P		996510045405	1.0X14PX300MM TYPE A FFC		46-KF030C-14AV	√
01	16P		996510045453	0.5X16X300MM TYPE B FFC		46-KK030C-16BU	√
01	24P		996510045421	0.5X24PX80MM TYPE A FFC		46-KK008C-24AU	√
01	FMT		996510036532	FM ANTENNA TYPE T		47-ANT025-XX0	√

#### Accessory Parts

01	AV		996510045395	YELLOW AV LINE		41-UH1200-0KK1A	√
01	IPOD		996510045446	I-POD DOCK		81-DOCK00-000-M	√
01	PC		996510045387	EU POWER CORD L=130CM		51-DC0130-0CRA3-M	√
01	RC		996510045407	PHILIPS REMOTE CONTROL		06-YKF224-041	√
01	SPEAKER		996510045399	ASSY-2.1SPEAKER		08-TS3261-PAN	√

#### Main Unit - ASSY-SPEAKER

01	SPKL		996510045559	SPEAKER FRONT LEFT		ANM503261-BW01	√
01	SUB		996510045562	SUBWOOFER		ANW503261-BW01	√
01	SPKR		996510045561	SPEAKER FRONT RIGHT		ANM503261-BW02	√

#### Main Unit-Loader

002	OPU		996510045384	BLU-RAY DISK LOADER ASA9829+SANYO414H08		05-0L9829-001	√
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#### Main Unit - ASSY-FRONT DISPLAY BOARD

002	IR601		996510020925	HM338-12 RECEIVER MOD H=12MM		02-IRR006-XX0	√
002	Q135		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	√
002	Q136		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	√
002	Q137		996510009736	TRANSISTORMMBT3906LT1 PNP		12-BT3906-0BX	√
002	Q138		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	√
002	Q139		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	√
002	U135		996510025957	IC PT6312 VFD DRIVER QFP44		13-PT6312-00B	√
002	VFD135		996510045416	EIGHT WORD VFD DISPLAY		14-FV935N-D0F-M	√
002	XP3		996510045444	1.0MM 14P VERTICALITY FFC SOCKET		46-40437W-14TA	√
002	ZD135		996500015818	DIODE ZENER 6V2 1/2W 5%		10-79C6V2-DBX	√
002	ZD136		996510003097	Zener 5.1V 1/2W 5%		10-79C5V1-DBX	√

#### Main Unit - ASSY-AMPLIFIER BOARD

002	D714		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	√
002	D715		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	√
002	D717		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	√
002	D770		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	√
002	D776		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	√
002	JK2		996510045428	SPK JACK 2.1CH		47-SPK033-XX0	√
002	L709		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L710		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L711		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L712		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L719		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L720		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√
002	L721		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	√

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002	L722		996510045409	INDUCTANCE 10UH 12X14		34-R100M2-1BK-M	v
002	Q7		996510031797	NPN TRANSISTOR MMBT8050C SOT23		12-BT8050-CBX	v
002	Q701		996510021453	TRANSISTOR MMBT8550CLT1		12-BT8550-CBX	v
002	Q702		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	U705		996510010924	IC F45580		13-F45580-00B	v
002	U710		996510045424	100W STEREO DIGITAC AMP POWER STAGE		13-TAS534-2AB	v
002	U711		996510045424	100W STEREO DIGITAC AMP POWER STAGE		13-TAS534-2AB	v
002	U714		996510045422	8-CHANNEL DIGITAL AUDIO PWM PROCESS		13-TAS550-80B	v

**Main Unit - Main PCB**

002	D19		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	v
002	D614		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	v
002	D615		996510009668	DIODE BAT54C SOT-23		09-BAT54C-STXGA	v
002	D73		996510014439	SMD. SWITCHING DIODE LL4148		09-LL4148-ATX	v
002	J1		996510031781	HDMI SOCKET		47-HDI009-XX0	v
002	J3		996510045388	FIBER OPTIC RECEIVING MODULE		02-PTR182-XX0	v
002	J4		996510045429	DSW_14 D_S CONNECTOR		47-SVI027-XX0	v
002	P2		996510045415	RJ45		47-RJ4503-XX0	v
002	P3		996510022616	USB SOCKET USB-1W-B		47-USB002-XX0	v
002	P4		996510045434	RCA JACK WITH 2HOLES (YELLOW &BLACK)		47-RCA295-XX3	v
002	P5		996510045402	PUSH-PUSH 2-IN-1 CARD CONNECTOR		47-389917-21X	v
002	Q1		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q15		996510041176	P-CHANNAL MOSFET ASM3403M		12-SM3403-0BX	v
002	Q150		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q19		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q2		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q206		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q207		996510041176	P-CHANNAL MOSFET ASM3403M		12-SM3403-0BX	v
002	Q208		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q209		996510041173	P-CHANNAL MOSFET AO3407 SOT-23		12-AO3407-0BX	v
002	Q210		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q211		996510022279	PNP TRANSISTOR SOT-23PBSS5320T		12-SS5320-0BX	v
002	Q214		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q215		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q27		996510031797	NPN TRANSISTOR MMBT8050C SOT23		12-BT8050-CBX	v
002	Q5		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q6		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q800		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q802		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q803		996510009669	TRANSISTOR MMBT3904LT1 NPN		12-BT3904-0BX	v
002	Q804		996510038489	PNP TRANSISTOR 2SB1132 SOT89		12-SB1132-QBX	v
002	Q805		996510038489	PNP TRANSISTOR 2SB1132 SOT89		12-SB1132-QBX	v
002	Q806		996510038489	PNP TRANSISTOR 2SB1132 SOT89		12-SB1132-QBX	v
002	TUN1		996510045378	HOME TUNER MODULE		07-KSTR78-00S	v
002	U1		996510041172	IC AT1529F11U BUCK DC/DC		13-AT1529-F11U	v
002	U10		996510045435	HYNIX DDR3 64MBIT?6H5TQ1G63DFR-H9C		13-H5TQ1G-63DFR	v
002	U11		996510045435	HYNIX DDR3 64MBIT?6H5TQ1G63DFR-H9C		13-H5TQ1G-63DFR	v
002	U12		996510045413	2G BIT SLC NAND FLASH		13-29F2G0-8ABA	v
002	U13		996510037749	IC G556B1P1U SOP8		13-G556B1-P1U	v
002	U16		996510026625	IC 78L050		13-78L050-00TGA	v
002	U19		996510037739	IC AS1117L/TR		13-AS1117-LOB	v
002	U2		996510037742	IC G9091-330T11U LDO		13-G9091T-11U	v
002	U20		996510032919	SPINDLE MOTOR & ACTUATOR		13-R2A302-W0B	v
002	U21		996510032929	MOTOR DRIVER IC TP1391		13-TP1391-G4B	v
002	U22		996510045431	DIGITAL IC		13-CS8422-00B	v
002	U26		996510012674	IC AK5358A		13-AK5358-A0BGA	v
002	U27		996510045423	DUAL 4-CHANNEL ANALOG MULTIPLEXER		13-74HC45-02PW	v
002	U3		996510041172	IC AT1529F11U BUCK DC/DC		13-AT1529-F11U	v
002	U31		996500032494	IC AS4558M		13-AS4558-00B	v

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002	U33		996510045423	DUAL 4-CHANNEL ANALOG MULTIPLEXER		13-74HC45-02PW	v
002	U34		996510010944	IC 16K EEPROM M24C16-MN6		13-M24C16-MNB	v
002	U4		996510045392	MCU WT61P803		13-WT61P8-03B	v
002	U5		996510037748	IC G966A-25ADJF11U LDO		13-G966AF-11U	v
002	U7		996510041174	IC MT8550		13-MT8555-DCBG	v
002	U8		996510045435	HYNIX DDR3 64MBIT?6H5TQ1G63DFR-H9C		13-H5TQ1G-63DFR	v
002	U9		996510045435	HYNIX DDR3 64MBIT?6H5TQ1G63DFR-H9C		13-H5TQ1G-63DFR	v
002	XP14		996510045375	16PIN 0.5MM SMT HORIZONTAL		46-40429W-16VW	v
002	Y1		996510045408	CRYSTAL RESONATOR 27M +/-30PPM 20PF		45-OSC27M-0N0C-M	v
002	Y2		996510045418	CRYSTAL RESONATOR 24.576MHZ+30PPM		45-OSC24M-5N1-M	v
002	Y3		996510045412	CRYSTAL RESONATOR 12MHZ		45-OSC12M-0Y1BY-M	v
002	ZD1		996510045417	ZENER DIODE 27V		09-ZMM27V-DBX	v
002	ZD3		996510045436	SMD DIODE BZV55C3V9 3.9V+-5% LL-34		09-55C3V9-DTX	v
002	ZD4		996510045426	DIODE ZMM12V 12V +-5% LL-34		09-ZMM12V-DTX	v

#### Main Unit - Power PCB

002	BD501		996510045427	DEVICES KBU610		10-KBU610-H7X-M	v
002	C501		996510045389	CERAMIC CAPACITOR 2200PF +-10% 1KV		26-AKA222-KBX-M	v
002	C503		996510045381	CERAMIC CAPACITOR 1000PF ?0% 1KV		26-AKA102-KBX-M	v
002	C522		996510045393	CERAMIC CAPACITOR 100PF +-10% 1KV		26-AKK101-KBX-M	v
002	C523		996510045439	CERAMIC CAPACITOR 10PF +-5 1KV		26-AKA100-JZX-M	v
002	C540		996510009663	CAP. M.P.E CL21 103/400V		27-MHA103-JOX	v
002	CE501		996510035476	CAP. ELEC 220UF 450V ?0% 105		25-GNJ221-M1S	v
002	CE5021		996510045377	CAP ELEC 68UF ?0% 400V 85		25-BMJ680-M1X	v
002	CN501		996510036545	PIN BASE *3 VH-3A		46-35063W-03X-M	v
002	CN502		996510045432	8P 2.5MM 200MM		46-CD020T-08K	v
002	CON502		996510013356	6P HS L=70 TJC3-6Y/SCN-6P		46-CD007T-06K	v
002	D505		996510036557	FAST RECOVERY DIODE 0FR107		10-0FR107-FBX-M	v
002	D506		996510036557	FAST RECOVERY DIODE 0FR107		10-0FR107-FBX-M	v
002	D507		996510002996	DIODE 1N4148		10-1N4148-ABX	v
002	D508		996510036557	FAST RECOVERY DIODE 0FR107		10-0FR107-FBX-M	v
002	D509		996510045419	SCHOTTKY RF1045		10-RF1045-S7X-M	v
002	D5111		996510045437	DIODE HER203		10-HER203-FBX-M	v
002	D512		996510036557	FAST RECOVERY DIODE 0FR107		10-0FR107-FBX-M	v
002	D513		996510036564	FAST RECOVERY DIODE HER108		10-HER108-FBX-M	v
002	D515		996510045379	SCHOTTKY 20A100V SDB20100PI TO-220F		10-B20100-S7X-M	v
002	D567		996510045379	SCHOTTKY 20A100V SDB20100PI TO-220F		10-B20100-S7X-M	v
002	D572		996510002996	DIODE 1N4148		10-1N4148-ABX	v
002	D573		996510002996	DIODE 1N4148		10-1N4148-ABX	v
002	F501		996510045386	FUSE T6.3AH 250V 5*20MM TIME-LEG		50-06300D-4GSL-M	v
002	L502		996510037143	3.3UH 6*8MM		34-R339M2-1B0GA-M	v
002	L503		996510041602	WID299 2.9UH +/-15%		36-WID299-XX0-M	v
002	L504		996510037143	3.3UH 6*8MM		34-R339M2-1B0GA-M	v
002	LIF501		996510041604	LINE FILTER LIF154		36-LIF154-JX0-M	v
002	LIF502		996510041604	LINE FILTER LIF154		36-LIF154-JX0-M	v
002	Q501		996510021453	TRANSISTOR MMBT8550CLT1		12-BT8550-CBX	v
002	Q502		996510021453	TRANSISTOR MMBT8550CLT1		12-BT8550-CBX	v
002	Q510		996510021453	TRANSISTOR MMBT8550CLT1		12-BT8550-CBX	v
002	T501		996510045404	POWER TRANSFORMER EF25		36-TRF301-XX0-M	v
002	T502		996510045414	TRANSFORMER ER40-ASE7082 8-8PIN		36-TRF310-XX0-M	v
002	TR501		996510036567	THERMISTOR 3D214MCS 3 5A		22-NTC030-MX0-M	v
002	TR531		996510045385	RESISTOR DT-103K-5		22-NTC103-KX0-M	v
002	U501		996510041179	IC TNY179 POWER CONTROL		13-TNY179-PNP	v
002	U502		996510036549	PHOTOCOUPLER PS2561		13-PS2561-WFP-M	v
002	U503		996510031795	REGULATOR AS431A		13-AS431A-HMB	v
002	U511		996510045397	SWITCHING REGULATOR IC		13-SSC951-2SB	v
002	U512		996510036549	PHOTOCOUPLER PS2561		13-PS2561-WFP-M	v
002	U513		996510031795	REGULATOR AS431A		13-AS431A-HMB	v
002	U561		996510036549	PHOTOCOUPLER PS2561		13-PS2561-WFP-M	v
002	U571		996510045406	IC LM3580		13-LM3580-00BGA	v

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							/12
002	ZD502		996510003172	DIODE ZENER 18V 1/2W 5%		10-79C18V-DBX	v
002	ZD503		996510014588	DIODE ZENER 12V 1/2W 5%		10-79C12V-DBX	v
002	ZD504		996500015716	DIODE ZENER 33V 1/2W 5%		10-79C33V-DBX	v
002	ZD505		996510003172	DIODE ZENER 18V 1/2W 5%		10-79C18V-DBX	v
002	ZD507		996510003172	DIODE ZENER 18V 1/2W 5%		10-79C18V-DBX	v
002	ZD508		996510014588	DIODE ZENER 12V 1/2W 5%		10-79C12V-DBX	v

**Note :** Only the parts with Philips 12NCs are normal Service spare parts.  
'v' means existing spare parts; "--" means non existing spare parts.

**Revision List:**

**V1.0** 6/13/2011 HTS4282/12 Partlist