

PARTS LIST

[CH-X400/CH-X450]

* All printed circuit boards and its assemblies are not available as service parts.

Area Suffix

CH-X400

J----- Northern America

E----- Continental Europe

CH-X450

U----- Other Areas

- Contents -

Electrical parts list (Block No.01) 3-1~ 3-4

■ Electrical parts list (Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	C 101	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V			C 584	NCB31CK-473X	C CAPACITOR		
	C 102	NCS31HJ-821X	C CAPACITOR				C 585	QERF1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 103	NCS31HJ-121X	C CAPACITOR				C 601	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 104	QERF0JM-476Z	E CAPACITOR	47MF 20% 6.3V			C 602	NCB31HK-103X	C CAPACITOR		
	C 105	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V			C 603	NCS31HJ-220X	C CAPACITOR		
	C 106	NCS31HJ-101X	C.CAPA. C.M				C 604	NCS31HJ-220X	C CAPACITOR		
	C 107	NCS31HJ-101X	C.CAPA. C.M				C 605	QERF0JM-476Z	E CAPACITOR	47MF 20% 6.3V	
	C 111	NCS31HJ-101X	C.CAPA. C.M				C 606	NCB31HK-103X	C CAPACITOR		
	C 112	NCB31HK-103X	C CAPACITOR				C 609	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 201	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V			C 610	NCB31CK-104X	C CAPACITOR		
	C 202	NCS31HJ-821X	C CAPACITOR				C 611	NCB31CK-104X	C CAPACITOR		
	C 203	NCS31HJ-121X	C CAPACITOR				C 612	NCB31CK-104X	C CAPACITOR		
	C 204	QERF0JM-476Z	E CAPACITOR	47MF 20% 6.3V			C 651	NCB31HK-103X	C CAPACITOR		
	C 205	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V			C 901	QEZO338-228	E CAPACITOR	2200MF	
	C 206	NCS31HJ-101X	C.CAPA. C.M				C 902	NCB31HK-103X	C CAPACITOR		
	C 207	NCS31HJ-101X	C.CAPA. C.M				C 906	NCS31HJ-101X	C.CAPA. C.M		
	C 501	NCB31HK-103X	C CAPACITOR				C 907	NCS31HJ-101X	C.CAPA. C.M		
	C 502	NCB31HK-103X	C CAPACITOR				C 912	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 503	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			C 913	QERF1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 504	NCB31HK-103X	C CAPACITOR				C 914	NCB31HK-103X	C CAPACITOR		
	C 505	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			C 915	NCB31HK-103X	C CAPACITOR		
	C 507	NCB31HK-682X	C CAPACITOR				C 941	QERF1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 508	NCB31HK-103X	C CAPACITOR				C 942	NCB31HK-103X	C CAPACITOR		
	C 509	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			C 943	QERF1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 510	NCB31CK-104X	C CAPACITOR				C 944	NCB31HK-103X	C CAPACITOR		
	C 511	NCB31CK-104X	C CAPACITOR				C 945	NCB31HK-103X	C CAPACITOR		
	C 512	NCS31HJ-820X	C CAPACITOR				C 946	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 513	NCB31HK-103X	C CAPACITOR				C 951	NCB31HK-103X	C CAPACITOR		
	C 514	NDC31HJ-5R0X	C CAPACITOR				C 982	NCB31HK-103X	C CAPACITOR		
	C 521	NCB31HK-103X	C CAPACITOR				C 983	QERF1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 522	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			CN501	QGF1013F1-15X	FPC CONNE		
	C 523	NCS31HJ-470X	C.CAPA. C.M				CN502	QGF1012F1-26X	FPC CONNE		
	C 524	NCB31HK-153X	C CAPACITOR				CN503	QGF1009F2-26	FFC/FPC CONECTO		
	C 525	NCB31HK-103X	C CAPACITOR				CN504	QGA2501F1-02	CONNECTOR		
	C 526	NCB31HK-272X	C CAPACITOR				CN601	QGA2501F1-03	CONNECTOR		
	C 527	NCB31HK-103X	C CAPACITOR				CN902	QNZ0095-001	CONNECTOR		
	C 528	NCB31EK-333X	C CAPACITOR				CN903	QGF1013F1-10X	FPC CONNECTOR		
	C 529	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			CN904	QGF1009F2-10	CONNECTOR		
	C 530	NCB31EK-333X	C CAPACITOR				D 101	MA152WA-X	DIODE		
	C 531	NCB31CK-473X	C CAPACITOR				D 583	DSK10C-T1	DIODE		
	C 533	NCS31HJ-471X	C CAPACITOR				D 584	DSK10C-T1	DIODE		
	C 534	NCS31HJ-471X	C CAPACITOR				D 585	DSK10C-T1	DIODE		
	C 535	NCB31CK-473X	C CAPACITOR				D 911	DSK10C-T1	DIODE		
	C 536	NCB31CK-473X	C CAPACITOR				D 912	UDZS6.2B-X	SI DIODE		
	C 537	NCB31CK-473X	C CAPACITOR				D 913	MA152WA-X	DIODE		
	C 538	NCB31CK-473X	C CAPACITOR				D 921	MA152WK-X	SI DIODE		
	C 539	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			D 941	UDZS10B-X	ZENER DIODE		
	C 540	NCB31HK-103X	C CAPACITOR				D 951	UDZS5.1B-X	Z DIODE		
	C 541	NCB31HK-103X	C CAPACITOR				D 981	UDZS9.1B-X	Z DIODE		
	C 542	NDC31HJ-100X	C CAPACITOR				F 901	ICP-N70	IC PROTECTER		
	C 543	NDC31HJ-100X	C CAPACITOR				IC101	BA15218F-XE	IC		
	C 544	NCB31HK-103X	C CAPACITOR				IC501	TA2147F-X	IC		
	C 545	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			IC521	TC9490FA	IC		
	C 546	NCS31HJ-101X	C.CAPA. C.M				IC581	FAN8037	IC		
	C 547	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			IC601	UPD780058GC-291	IC		
	C 548	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			IC602	IC-PST9333U-X	IC		
	C 549	NCB31HK-103X	C CAPACITOR				IC604	BR24C01AF-W-X	IC		
	C 550	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V			IC651	HD74HC126FP-X	IC		
	C 551	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			L 521	QLL244K-4R7Z	INDUCTOR		
	C 552	NCB31HK-103X	C CAPACITOR				L 522	QLL244K-4R7Z	INDUCTOR		
	C 581	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V			L 524	QLL244K-4R7Z	INDUCTOR		
	C 582	NCB31HK-103X	C CAPACITOR				L 601	QLL244K-4R7Z	INDUCTOR		
	C 583	QERF1CM-226Z	E CAPACITOR	22MF 20% 16V			Q 101	2SD1048/6-7/-X	TRANSISTOR		

■ Electrical parts list (Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	Q 201	2SD1048/6-7/-X	TRANSISTOR				R 536	NRSA63J-472X	MG RESISTOR		
	Q 501	2SB1241/QR/-T	TRANSISTOR				R 537	NRSA63J-472X	MG RESISTOR		
	Q 581	2SB1322/RS/-T	TRANSISTOR				R 538	NRSA63J-103X	MG RESISTOR		
	Q 582	DTA114EKA-X	DIGITAL.TRANSIS				R 539	NRSA63J-105X	MG RESISTOR		
	Q 583	DTC114EKA-X	TRANSISTOR				R 543	NRSA63J-121X	MG RESISTOR		
	Q 602	2SC2412K/R/-X	TRANSISTOR				R 544	NRSA63J-225X	MG RESISTOR		
	Q 901	2SA1037AK/R/-X	TRANSISTOR				R 581	NRSA63J-122X	MG RESISTOR		
	Q 902	DTC114EKA-X	TRANSISTOR				R 582	NRSA63J-183X	MG RESISTOR		
	Q 911	2SD1994A/RS/-T	TRANSISTOR				R 583	NRSA63J-332X	MG RESISTOR		
	Q 921	2SC2412K/R/-X	TRANSISTOR				R 584	NRSA63J-821X	MG RESISTOR		
	Q 922	2SA1037AK/R/-X	TRANSISTOR				R 585	NRSA63J-682X	MG RESISTOR		
	Q 941	2SB941A/QP/	TRANSISTOR				R 586	NRSA63J-682X	MG RESISTOR		
	Q 942	2SD1994A/RS/-T	TRANSISTOR				R 587	NRSA63J-682X	MG RESISTOR		
	Q 943	DTA114EKA-X	DIGITAL.TRANSIS				R 588	NRSA63J-822X	MG RESISTOR		
	Q 944	DTC114EKA-X	TRANSISTOR				R 591	NRSA63J-272X	MG RESISTOR		
	Q 971	2SA1037AK/R/-X	TRANSISTOR				R 593	NRSA63J-103X	MG RESISTOR		
	Q 972	2SC2412K/R/-X	TRANSISTOR				R 595	NRSA63J-333X	MG RESISTOR		
	Q 981	2SD1994A/RS/-T	TRANSISTOR				R 596	NRSA63J-103X	MG RESISTOR		
	R 101	NRSA63J-203X	MG RESISTOR				R 597	NRSA63J-472X	MG RESISTOR		
	R 102	NRSA63J-123X	MG RESISTOR				R 598	QRT017J-R47	MF RESISTOR	5% 1/1W	
	R 103	NRSA63J-333X	MG RESISTOR				R 601	NRSA63J-222X	MG RESISTOR		
	R 104	NRSA63J-223X	MG RESISTOR				R 602	NRSA63J-103X	MG RESISTOR		
	R 105	NRSA63J-223X	MG RESISTOR				R 603	NRSA63J-472X	MG RESISTOR		
	R 106	NRSA63J-103X	MG RESISTOR				R 604	NRSA63J-472X	MG RESISTOR		
	R 107	NRSA63J-471X	MG RESISTOR				R 605	NRSA63J-472X	MG RESISTOR		
	R 108	NRSA63J-682X	MG RESISTOR				R 606	NRSA63J-103X	MG RESISTOR		
	R 112	NRSA63J-470X	MG RESISTOR				R 607	NRSA63J-103X	MG RESISTOR		
	R 201	NRSA63J-203X	MG RESISTOR				R 609	NRSA63J-473X	MG RESISTOR		
	R 202	NRSA63J-123X	MG RESISTOR				R 610	NRSA63J-473X	MG RESISTOR		
	R 203	NRSA63J-333X	MG RESISTOR				R 611	NRSA63J-473X	MG RESISTOR		
	R 204	NRSA63J-223X	MG RESISTOR				R 612	NRSA63J-473X	MG RESISTOR		
	R 205	NRSA63J-223X	MG RESISTOR				R 614	NRSA63J-473X	MG RESISTOR		
	R 206	NRSA63J-103X	MG RESISTOR				R 617	NRSA63J-103X	MG RESISTOR		
	R 207	NRSA63J-471X	MG RESISTOR				R 618	NRSA63J-102X	MG RESISTOR		
	R 208	NRSA63J-682X	MG RESISTOR				R 619	NRSA63J-103X	MG RESISTOR		
	R 503	NRSA63J-683X	MG RESISTOR				R 620	NRSA63J-104X	MG RESISTOR		
	R 504	NRSA63J-683X	MG RESISTOR				R 621	NRSA63J-473X	MG RESISTOR		
	R 505	NRSA63J-334X	MG RESISTOR				R 622	NRSA63J-103X	MG RESISTOR		
	R 506	NRSA63J-334X	MG RESISTOR				R 624	NRSA63J-473X	MG RESISTOR		
	R 507	NRSA02J-220X	MG RESISTOR				R 625	NRSA63J-472X	MG RESISTOR		
	R 508	NRSA02J-220X	MG RESISTOR				R 626	NRSA63J-473X	MG RESISTOR		
	R 509	NRSA63J-823X	MG RESISTOR				R 651	NRSA63J-223X	MG RESISTOR		
	R 510	NRSA63J-473X	MG RESISTOR				R 652	NRSA63J-101X	MG RESISTOR		
	R 511	NRSA63J-103X	MG RESISTOR				R 653	NRSA63J-223X	MG RESISTOR		
	R 512	NRSA63J-202X	MG RESISTOR				R 654	NRSA63J-334X	MG RESISTOR		
	R 513	NRSA63J-102X	MG RESISTOR				R 655	NRSA63J-101X	MG RESISTOR		
	R 514	NRSA63J-273X	MG RESISTOR				R 656	NRSA63J-223X	MG RESISTOR		
	R 515	NRSA63J-101X	MG RESISTOR				R 657	NRSA63J-334X	MG RESISTOR		
	R 516	NRSA63J-821X	MG RESISTOR				R 658	NRSA63J-331X	MG RESISTOR		
	R 517	NRSA63J-223X	MG RESISTOR				R 659	NRSA63J-104X	MG RESISTOR		
	R 518	NRSA63J-333X	MG RESISTOR				R 660	NRSA63J-103X	MG RESISTOR		
	R 519	NRSA63J-151X	MG RESISTOR				R 661	NRSA63J-104X	MG RESISTOR		
	R 521	NRSA63J-562X	MG RESISTOR				R 901	NRSA63J-103X	MG RESISTOR		
	R 522	NRSA63J-473X	MG RESISTOR				R 902	NRSA63J-392X	MG RESISTOR		
	R 523	NRSA63J-474X	MG RESISTOR				R 903	NRSA02J-222X	MG RESISTOR		
	R 524	NRSA63J-333X	MG RESISTOR				R 911	NRSA63J-472X	MG RESISTOR		
	R 525	NRSA63J-103X	MG RESISTOR				R 912	NRSA02J-2R2X	MG RESISTOR		
	R 527	NRSA63J-101X	MG RESISTOR				R 921	NRSA63J-273X	MG RESISTOR		
	R 528	NRSA63J-101X	MG RESISTOR				R 923	NRSA63J-184X	MG RESISTOR		
	R 531	NRSA63J-101X	MG RESISTOR				R 924	NRSA63J-682X	MG RESISTOR		
	R 532	NRSA63J-101X	MG RESISTOR				R 925	NRSA63J-223X	MG RESISTOR		
	R 534	NRSA63J-472X	MG RESISTOR				R 926	NRSA63J-223X	MG RESISTOR		
	R 535	NRSA63J-472X	MG RESISTOR				R 941	NRSA63J-100X	MG RESISTOR		

■ Electrical parts list (Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area
	R 942	NRSA63J-471X	MG RESISTOR		
	R 943	NRSA63J-332X	MG RESISTOR		
	R 951	NRSA63J-122X	MG RESISTOR		
	R 954	NRSA63J-272X	MG RESISTOR		
	R 971	NRSA63J-223X	MG RESISTOR		
	R 972	NRSA63J-222X	MG RESISTOR		
	R 973	NRSA63J-104X	MG RESISTOR		
	R 981	NRSA63J-221X	MG RESISTOR		
	R 982	NRSA63J-221X	MG RESISTOR		
	S 601	VSH1173-001	SWITCH		
	S 602	VSH1173-001	SWITCH		
	S 603	VSH1173-001	SWITCH		
	S 604	VSH1173-001	SWITCH		
	S 606	QSW0643-001Z	TACT SWITCH		
	X 521	QAX0413-001Z	CRYSTAL		
	X 601	QAX0414-001Z	CRYSTAL		