

Handset Section

Symbol	PartCode	Part Name of Manufacturer	Description
PCB			Hand Set PCB
C739	CCS18H220JH0	GRM1882C1H220JZ01D	Ceramic Chip Capacitor: 22pF/CH/50V/1608/±5%
C740	CCS18H220JH0	GRM1882C1H220JZ01D	Ceramic Chip Capacitor: 22pF/CH/50V/1608/±5%
C701	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C709	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C714	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C725	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C726	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C727	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C733	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C735	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C736	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C757	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C765	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C766	CCS18B102KH0	GRM188B11H102KA01D	Ceramic Chip Capacitor: 1000pF/B/50V/1608/±10%
C712	CCS21H562JH0	GRM2192C1H562JA01D	Ceramic Chip Capacitor: 5600pF/CH/50V/2125/±5%
C711	CFS21X103GC0	ECHU1C103GX5	Stacked Metallized Film Chip capacitor : 0.01uF/16V/±2%
C713	CFS31X223GC0	ECHU1C223GX5	Stacked Metallized Film Chip capacitor : 0.022uF/16V/±2%
C702	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C703	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C704	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C705	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C707	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C708	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C715	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C717	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C721	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C724	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C737	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C738	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C741	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C742	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C743	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%

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C745	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C749	RCS18X204XJ0	CR1/16-204JV	Chip Resistor : 1608/200kΩ/±5%
C750	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C751	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C752	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C753	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C754	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C755	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C761	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C762	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
C710	CCS18B105KJ0	GRM188B10J105KA01D	Ceramic Chip Capacitor: 1uF/B/6.3V/1608/±10%
C716	CCS18B105KJ0	GRM188B10J105KA01D	Ceramic Chip Capacitor: 1uF/B/6.3V/1608/±10%
C718	CCS18B105KJ0	GRM188B10J105KA01D	Ceramic Chip Capacitor: 1uF/B/6.3V/1608/±10%
C731	CCS18B105KJ0	GRM188B10J105KA01D	Ceramic Chip Capacitor: 1uF/B/6.3V/1608/±10%
C732	CCS18B105KJ0	GRM188B10J105KA01D	Ceramic Chip Capacitor: 1uF/B/6.3V/1608/±10%
C720	CASF55470MC0	RV2-16V470M-R	Chip Alminum Electrolytic Capacitor: 47uF/16V
C722	CASEL221M1C0	RV-16V221MG10-R	Chip Alminum Electrolytic Capacitor: 220uF/16V
C723	CASEL221M1C0	RV-16V221MG10-R	Chip Alminum Electrolytic Capacitor: 220uF/16V
C746	CTSAX105M1C0	SK-1C105M-RA	Chip Tantalum Electrolytic Capacitor : 1.0uF/16V/A
C747	CTSAX105M1C0	SK-1C105M-RA	Chip Tantalum Electrolytic Capacitor : 1.0uF/16V/A
C748	CTSAX105M1C0	SK-1C105M-RA	Chip Tantalum Electrolytic Capacitor : 1.0uF/16V/A
C728	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B
C706	CASD55100MC0	RV2-16V100M-R	Chip Aluminum Electrolytic Capacitor: 10uF/16V
C719	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C730	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C734	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C744	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C763	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C729	CTSAX225M1C0	SK2-1C225M-RA	Chip Tantalum Electrolytic Capacitor : 2.2uF/16V/A Case
C756	Not use	Not use	
C758	Not use	Not use	
C759	Not use	Not use	
C760	Not use	Not use	
C764	Not use	Not use	
C767	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608

NS100 Parts List

CN701	CNSML53261X1	53261-1071	Connector SMT: 10pin/L/BtoW/Pin-header
CN702	CNSML53398X2	53398-0271	Connector SMT: 2pin/L/BtoW/Pin-header
CN703	CNSOMX3015X0	XF2H-3015-1LW	Connector SMT: 30pin/L/FPC/Receptacle
CN704	CNSML53398X0	53398-0771	Connector SMT: 7pin/S/BtoW/Pin-header
CN705	CNSML53398X2	53398-0271	Connector SMT: 2pin/L/BtoW/Pin-header
D701	DISTO1SS3720	1SS372	Schottky Barrier Diode
D702A		FR1101	LED/Red/SMT/SIDE
D702B		FR1101	LED/Red/SMT/SIDE
D703	LDSCMXWST2X0	SSW-USD-ST2-1	LED/White/SMT/SIDE
D704	LDSCMXWST2X0	SSW-USD-ST2-1	LED/White/SMT/SIDE
D705	LDSCMXWST2X0	SSW-USD-ST2-1	LED/White/SMT/SIDE
D706	LDSCMXWST2X0	SSW-USD-ST2-1	LED/White/SMT/SIDE
D707	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
D708	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
D709	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
D710	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
D711	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
D712	LDSCMDWNP2X0	SSDW-DLD-NP2-1	LED/White/SMT/SIDE
IC701	ICSTOA7810F0	TA7810F	Voltage Regulator/10V
IC702	ICSTOA78L050	TA78L05F	Voltage Regulator /5V
IC703	ICSJR3403AX0	NJM3403AV	Operational Amp.
IC704	ICSTOC7S66F0	TC7S66FU	Analog Switch(CMOS)
IC705	ICSMB62429X0	M62429FP	Electronic Volume
IC706	ICSJR386BMX1	NJM386BM	Audio Power Amp.
IC707	ICSUMME30850	ME3085EESA	RS-485 Transiver
IC708	ICSNED78F010	uPD78F0122HGB-8ET	Micro Processor/Flash
IC709	ICSTK11133C0	TK11133CS	Voltage Regulator/3.3V
IC710	ICSTOMET5410	TC7MET541AFK	Bus Buffer/8line
IC711	ICSTOMET5410	TC7MET541AFK	Bus Buffer/8line
IC712	ICSTOA78L050	TA78L05F	Voltage Regulator /5V
LCD701	LCMVB1204A10	VGC1204A1-7FWNNA-_O_REV-2	LCD Module
MIC701	MIMEM6720PX0	eM6720P-43	Microphone Element

NS100 Parts List

Q701	TRSROA144EX1	DTA144EUA	Transistor
Q702	TRSTOSSM3K00	SSM3K03FE	FET
Q703	TRSROFMG2AX0	FMG2A	Transistor
Q704	TRSTOSK10620	2SK1062	FET
Q705	TRSTOSK10620	2SK1062	FET
Q706	TRSTOSK10620	2SK1062	FET
R701	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R702	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R703	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220Ω/±5%
R704	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220kΩ/±5%
R705	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10kΩ/±1%
R706	RCS18X9101F0	CR1/16-9101FV	Chip Resistor : 1608/9.1kΩ/±1%
R707	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10kΩ/±1%
R708	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10kΩ/±1%
R709	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220kΩ/±5%
R710	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10kΩ/±5%
R711	RCS18X100XJ0	CR1/16-100JV	Chip Resistor : 1608/10Ω/±5%
R712	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0kΩ/±5%
R713	RCS18X105XJ0	CR1/16-105JV	Chip Resistor : 1608/1.0MΩ/±5%
R714	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R715	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0kΩ/±5%
R716	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10kΩ/±5%
R717	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2kΩ/±5%
R718	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2kΩ/±5%
R719	RCS18X100XJ0	CR1/16-100JV	Chip Resistor : 1608/10Ω/±5%
R720	RCS18X100XJ0	CR1/16-100JV	Chip Resistor : 1608/10Ω/±5%
R721	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0kΩ/±5%
R722	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R723	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R724	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R725	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R726	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R727	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100kΩ/±5%
R728	RCS18X474XJ0	CR1/16-474JV	Chip Resistor : 1608/470kΩ/±5%

NS100 Parts List

R729	CCS18B104KC0	GRM188B11C104KA01D	Ceramic Chip Capacitor: 0.10uF/B/16V/1608/±10%
R730	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R731	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R732	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R733	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R734	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R735	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R736	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R737	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R738	Not use	Not use	
R739	Not use	Not use	
R740	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R741	RCS18X122XJ0	CR1/16-122JV	Chip Resistor : 1608/1.2kΩ/±5%
R742	RCS21X151XJ0	CR1/10-151JV	Chip Resistor : 2125/150Ω/±5%
R743	RCS21X151XJ0	CR1/10-151JV	Chip Resistor : 2125/150Ω/±5%
R744	RCS21X151XJ0	CR1/10-151JV	Chip Resistor : 2125/150Ω/±5%
R745	RCS21X151XJ0	CR1/10-151JV	Chip Resistor : 2125/150Ω/±5%
R746	RCS21X151XJ0	CR1/10-151JV	Chip Resistor : 2125/150Ω/±5%
R747	RCS32X221XJ0	CR1/4-221JV	Chip Resistor : 3226/220Ω/±5%
R748	RCS32X101XJ0	CR1/4-101JV	Chip Resistor : 3226/100Ω/±5%
R749	RCS32X150XJ0	CR1/4-150JV	Chip Resistor : 3226/15Ω/±5%
R750	Not use	Not use	
R751	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220Ω/±5%
R752	Not use	Not use	
R753	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R754	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
R755	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22kΩ/±5%
RL701	RLMLXLD10020	LDW-1002	Lead Relay
SP701	SPMNSXXXXXX0	13.ZMS.0028.S02	16Ω/0.3W
SW701	SWS1188E1K30	1188E-1K3-V-T/R	Tactile SW/Side Push/260g : PTT
SW702	SWS1188E1K30	1188E-1K3-V-T/R	Tactile SW/Side Push/260g : Distress
SW703	SWS1188E1K30	1188E-1K3-V-T/R	Tactile SW/Side Push/260g : Vol Up/Down
SW704	SWS1188E1K30	1188E-1K3-V-T/R	Tactile SW/Side Push/260g : Vol Up/Down

NS100 Parts List

XTL701	XTSCQ4R91MX0	C31T-G-G-2-32-100-4.9152MHz	XTL /4.9152MHz
W701	WANS2E702BX0	Curl Cord Assembly	K522E702-B
W702	WAML02L100X0	K903C731-0	2Pin Wire Ass'y L=100mm
W703	WAML02L040X0	K522E500-A/WF0062	2Pin Wire Ass'y L=040mm

Speaker Box Section

Symbol	PartCode	Part Name of Manufacturer	Description
			Spk PCB
C801	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C802	CFS21X103GC0	ECHU1C103GX5	Stacked Metallized Film Chip capacitor : 0.01uF/16V/±2%
C803	CCS21H562JH0	GRM2192C1H562JA01D	Ceramic Chip Capacitor: 5600pF/CH/50V/2125/±5%
C804	CFS31X223GC0	ECHU1C223GX5	Stacked Metallized Film Chip capacitor : 0.022uF/16V/±2%
C805	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C806	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C807	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C808	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C809	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C810	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C811	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C812	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C813	CAMEL102M1E0	RE3-25V102M	Aluminum Electrolytic Capacitor: 1000uF/25V
C814	CAMEL102M1E0	RE3-25V102M	Aluminum Electrolytic Capacitor: 1000uF/25V
C815	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C816	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C817	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C818	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C819	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C820	CASF55470MC0	RV2-16V470M-R	Chip Alminum Electrolytic Capacitor: 47uF/16V
C821	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C822	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C823	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A
C824	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C825	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C826	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
D801	LDSKLR03URX0	KLR03URX	LED
IC801	ICSJR2904VX0	NJM2904V-TE1	Operational Amp
IC802	ICSTOC7W66F0	TC7W66FU	Analog Switch (CMOS)
IC803	ICSSALA44250	LA4425A	Audio Amp.

NS100 Parts List

IC804	ICSTOA78L050	TA78L05F	Voltage Regulator : 5V
CN801	CNMLILTW-8M0	LTWBD-08PMMP-LC	Circular Connector : 8pin
CN802	CNSML53261X1	53261-1071	Connector SMT: 10pin/L/BtoW/Pin-header
CN803	CNMML53047X1	53047-0210	Connector (Pin Header) : 2pin
CN804	CNMMLMX05XX0	53047-0510	Connector (Pin Header) : 5pin
Q801	TRSROFMG2AX0	FMG2A	Transistor
Q802	TRSTOSC41160	2SC4116-GR	Transistor (hFE:GR)
R801	RCS18X471XJ0	CR1/16-471JV	Chip Resistor : 1608/470 Ω / J
R802	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R803	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R804	RCS18X9101F0	CR1/16-9101FV	Chip Resistor : 1608/9.1k Ω / $\pm 1\%$
R805	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R806	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R807	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R808	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R809	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R810	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R811	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R812	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R813	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R814	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R815	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R816	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R817	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R818	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R819	Not use	Not use	
R820	Not use	Not use	
R821	RCS63XR22XJ0	LCR1R22JV	Chip Resistor : 6332/0.22 Ω / J
R822	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R823	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R824	RCS18X000XJ0	CR1/16-000JV	Chip Resistor 0 Ω , 1/16W
SP801	SPMNSXXXXXX1	100N-B4Z23 4/A40M-6642	4 Ω /5W , D=100mm

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VR801	VRMAH9A10KX0	RD901S-20-15KH-A10K-0056	Volume (within switch,no detent,A curve)
W801	WAML02L100X0	K903C731-0	RAY230 SPK-2 2Pin Wire Ass'y L=100mm
W802	WAML05L050X0	K903C732-1	RAY230 SPK-1/VR Wire Ass'y (L=50mm)/5Pin Wire Ass'y L=50mm
W803	WANS2E701AX0	Connection Cable Assy	K522E701-A

Control Section

Symbol	PartCode	Part Name of Manufacturer	Description
PCB		Main PCB	
C301	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C302	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C303	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C304	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C305	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C306	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C307	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C308	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C309	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C310	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C311	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C312	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C313	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C314	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C315	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C316	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C317	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C318	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C319	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C320	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C321	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C322	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C323	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C324	CTSAX474M1E0	SK-1E474M-RA	Chip Tantalum Electrolytic Capacitor : 0.47uF/25V/A_Case
C325	CTSAX224M1V0	SK-1V224M-RA	Chip Tantalum Electrolytic Capacitor : 0.22uF/35V/A_Case
C326	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C327	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C328	TMP-LI097026	ECHU1C473JX5	Stacked Metallized Film Chip capacitor : 0.047uF/16V
C329	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C330	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C331	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C332	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608

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C333	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C334	CCS18B472KH0	GRM188B11H472KA01	Ceramic Chip Capacitor: 4700pF/B/50V/1608
C335	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C336	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C337	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C338	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C339	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C340	CCS18H221JH0	GRM1882C1H221JA01	Ceramic Chip Capacitor: 220pF/CH/50V/1608
C341	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C342	CFS31X223GC0	ECHU1C103GX5	Stacked Metallized Film Chip capacitor : 0.01uF/16V/±2%
C343	CCS21H562JH0	GRM2192C1H562JA01D	Ceramic Chip Capacitor: 5600pF/CH/50V/2125/±5%
C344	CFS31X223GC0	ECHU1C223GX5	Stacked Metallized Film Chip capacitor : 0.022uF/16V/±2%
C345	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C346	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C347	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C348	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C349	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C350	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C351	CCS18H331JH0	GRM1882C1H331JA01	Ceramic Chip Capacitor: 330pF/CH/50V/1608
C352	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C353	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C354	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C355	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C356	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C357	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C358	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C359	CAMEL222M1E0	RE3-25V222M	Aluminum Electrolytic Capacitor: 2200uF/25V
C360	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C361	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C362	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C363	CASF55470MC0	RV2-16V470M-R	Chip Alminum Electrolytic Capacitor: 47uF/16V
C364	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C365	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C366	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C367	CASF55470MC0	RV2-16V470M-R	Chip Alminum Electrolytic Capacitor: 47uF/16V
C368	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608

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C369	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C370	CASF55470MC0	RV2-16V470M-R	Chip Alminum Electrolytic Capacitor: 47uF/16V
C371	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C372	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C373	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C374	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C375	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C376	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C377	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C378	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C379	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C380	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C381	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C382	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C383	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C384	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C385	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C386	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C387	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C388	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C389	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C390	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C391	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C402	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C403	CCS18H221JH0	GRM1882C1H221JA01	Ceramic Chip Capacitor: 220pF/CH/50V/1608
C404	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C405	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C406	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C407	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C408	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C409	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C410	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C411	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C412	CFS21X103GC0	ECHU1C103GX5	Stacked Metallized Film Chip capacitor : 0.01uF/16V/±2%
C413	CCS21H562JH0	GRM2192C1H562JA01D	Ceramic Chip Capacitor: 5600pF/CH/50V/2125/±5%
C414	CFS31X223GC0	ECHU1C223GX5	Stacked Metallized Film Chip capacitor : 0.022uF/16V/±2%

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C415	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C416	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C417	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C418	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C419	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C420	CCS18H331JH0	GRM1882C1H331JA01	Ceramic Chip Capacitor: 330pF/CH/50V/1608
C421	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C422	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C423	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
CN301	CNSML53398X1	53398-0871	Connector SMT: 8pin/S/BtoW/Pin-header
CN302	CNMML52045X0	52045-2645	Connector MI: 26pin/I/BtoFFC/Receptacle
CV301	CVSC3100X1E1	CTZ3S-10CW1	Trimmer Capacitor : 10pF (-750+/-500 ppm)
D301	DISTO1SS3680	1SS368(SCC)	Diode
D302	DISTO1SS3010	1SS301	Diode
D303	DISTO02DZ160	02DZ16-Z	Zener Diode : 16V,Rank Z
D304	DISTO02DZ160	02DZ16-Z	Zener Diode : 16V,Rank Z
D305	DISTO1SS3010	1SS301	Diode
D401	DISTO1SS3680	1SS368(SCC)	Diode
IC301	ICSMB30624X0	M30624FGPGP	Micro Processor
IC302	ICSSM24C64X0	M24C64-WDW6T	EEPROM/64k
IC303	ICSMB62364X0	M62364FP	D/A Converter
IC304	ICSROBU82420	BU8242F	Cross Point Switch
IC305	ICSTOC7S66F0	TC7S66FU	Analog Switch
IC306	ICSNSLMC5670	LMC567	Tone Detector (PLL)
IC307	ICSMBHT90320	HT9032D	FSK Demodulator
IC308	ICSJR3404AX0	NJM3404AV	Operational Amp.
IC309	ICSJR3403AX0	NJM3403AV	Operational Amp.
IC310	ICSUMME30850	ME3085EESA	RS485 Line Transceiver
IC311	ICSXAM26C320	AM26C31	RS422 Line Driver
IC312	ICSTO7S14FU0	TC7S14FU	Schmitt Inverter
IC313	ICSRC5VD45A0	RN5VD45AA-TR	Voltage Detector : 4V
IC314	ICSTOA7805F0	TA7805F	Voltage Regulator : 5V

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IC315	ICSTOA7805F0	TA7805F	Voltage Regulator : 5V
IC316	ICSTOA7808F0	TA7808F	Voltage Regulator : 8V
IC401	ICSTOA75S010	TA75S01F	Operational Amp.
IC402	ICMPHDA15191	TDA1519C/N3112	Audio Power Amp/20W
IC403	ICSJR3403AX0	NJM3403AV	Operational Amp.
IC404	ICSUMME30850	ME3085EESA	RS485 Line Transceiver
IC405	Not use	Not use	
PC301	PCSTOLP181X0	TLP181	Photo Coupler
Q301	TRSROC144EX3	DTC144EUA	Transistor
Q302	TRSTOSC41160	2SC4116-GR	Transistor (hFE:GR)
Q303	TRSROA123EU0	DTA123EUA	Transistor
Q304	TRSROC144EX3	DTC144EUA	Transistor
Q305	TRSTOSC41160	2SC4116-GR	Transistor (hFE:GR)
Q306	TRSTOSA12040	2SA1204	Transistor (hfe:Not Defined)
Q307	TRSROC144EX3	DTC144EUA	Transistor
Q308	TRSTOSA12040	2SA1204	Transistor (hfe:Not Defined)
Q401	TRSROC144EX3	DTC144EUA	Transistor
Q402	TRSROC144EX3	DTC144EUA	Transistor
Q403	TRSROC144EX3	DTC144EUA	Transistor
R301	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R302	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R303	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R304	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R305	RCS18X000XJ0	CR1/16-000JV	Chip Resistor : 1608/0 Ω / J
R306	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R307	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R308	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R309	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R310	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R311	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R312	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R313	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R314	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J

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R315	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R316	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R317	RCS18X220XJ0	CR1/16-220JV	Chip Resistor : 1608/22 Ω / J
R318	RCS18X622XJ0	CR1/16-622JV	Chip Resistor : 1608/6.2k Ω / J
R319	RCS18X220XJ0	CR1/16-220JV	Chip Resistor : 1608/22 Ω / J
R320	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R321	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100k Ω / J
R322	RCS18X474XJ0	CR1/16-474JV	Chip Resistor : 1608/470k Ω / J
R323	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R324	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R325	RCS18X512XJ0	CR1/16-512JV	Chip Resistor : 1608/5.1k Ω / J
R326	RCS18X124XJ0	CR1/16-124JV	Chip Resistor : 1608/120k Ω / J
R327	RCS18X273XJ0	CR1/16-273JV	Chip Resistor : 1608/27k Ω / J
R328	RCS18X333XJ0	CR1/16-333JV	Chip Resistor : 1608/33k Ω / J
R329	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R330	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R331	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R332	RCS18X9101F0	CR1/16-9101FV	Chip Resistor : 1608/9.1k Ω / $\pm 1\%$
R333	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R334	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R335	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R336	RCS18X183XJ0	CR1/16-183JV	Chip Resistor : 1608/18k Ω / J
R337	RCS18X752XJ0	CR1/16-752JV	Chip Resistor : 1608/7.5k Ω / J
R338	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R339	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R340	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R341	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R342	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R343	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R344	RCS21X100XJ0	CR1/10-100JV	Chip Resistor : 2125/10 Ω / J
R345	RCS21X100XJ0	CR1/10-100JV	Chip Resistor : 2125/10 Ω / J
R346	RCS50X101XJ0	CR1/2-101JV	Chip Resistor : 5025/100 Ω / J
R347	RCS50X101XJ0	CR1/2-101JV	Chip Resistor : 5025/100 Ω / J
R348	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R349	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R350	RCS21X331XJ0	CR1/10-331JV	Chip Resistor : 2125/330 Ω / J

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R351	RCS21X331XJ0	CR1/10-331JV	Chip Resistor : 2125/330 Ω / J
R352	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R353	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R354	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R355	RCS18X1003F0	CR1/16-104FV	Chip Resistor : 1608/100k Ω / F
R356	RCS18X4302F0	CR1/16-433FV	Chip Resistor : 1608/43k Ω / F
R357	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R358	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2k Ω / J
R359	RCS18X332XJ0	CR1/16-332JV	Chip Resistor : 1608/3.3k Ω / J
R360	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R361	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R362	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R363	RCS18X823XJ0	CR1/16-823JV	Chip Resistor : 1608/82k Ω / J
R364	RCS18X512XJ0	CR1/16-512JV	Chip Resistor : 1608/5.1k Ω / J
R401	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R402	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R403	RCS18X474XJ0	CR1/16-474JV	Chip Resistor : 1608/470k Ω / J
R404	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R405	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R406	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100k Ω / J
R407	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R408	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R409	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R410	RCS18X9101F0	CR1/16-9101FV	Chip Resistor : 1608/9.1k Ω / $\pm 1\%$
R411	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R412	RCS18X1002F0	CR1/16-103FV	Chip Resistor : 1608/10k Ω / $\pm 1\%$
R413	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R414	RCS18X183XJ0	CR1/16-183JV	Chip Resistor : 1608/18k Ω / J
R415	RCS18X752XJ0	CR1/16-752JV	Chip Resistor : 1608/7.5k Ω / J
R416	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R417	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R418	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R419	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R420	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R421	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R422	RCS21X100XJ0	CR1/10-100JV	Chip Resistor : 2125/10 Ω / J

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R423	RCS21X100XJ0	CR1/10-100JV	Chip Resistor : 2125/10 Ω / J
RL301	RLMHGJQC3FF0	JQC-3FF	Relay , Power
RL401	RLMHGJQX1150	JQX-115F	Relay , Hailer
VR301	VRSB3222NXX0	MVR34HXBR-N-222	Chip Pot. 2.2K ohm
X301	XTSQC15R36M0	C4SSGG215050-15.360M	XTL OSC : 15.36MHz
X302	XTSQC3R579M0	C4SSGG215100-3.579545M	XTL OSC : 3.579545MHz
W301	WASN000000X0	PowerCableAssy	AWG#16 (Red,Black,Blue)

RF Section

Symbol	PartCode	Part Name of Manufacturer	Description
C001	CCS18K1R0CH0	GRM1884C1H1R0CZ01	Ceramic Chip Capacitor: 1.0pF/CK/50V/1608
C002	CCS18C8R0CD0	GRM1882C2D8R0DV01	Ceramic Chip Capacitor: 8pF/CH/200V/1608
C003	CCS18K2R0CH0	GRM1884C2D2R0CV01	Ceramic Chip Capacitor: 2pF/CK/200V/1608
C004	CCS21H330JD0	GRM2192C2D330JV01D	Ceramic Chip Capacitor: 33pF/CH/200V/2125
C005	CCS21H180JD0	GRM2192C2D180JV01D	Ceramic Chip Capacitor: 18pF/CH/200V/2125
C006	Not use	Not use	
C007	CCS31B102K2J	C3216JB2J102K	Ceramic Chip Capacitor: 1000pF/B/630V/3216
C008	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C009	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C010	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C011	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C012	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C013	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C014	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C015	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C016	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C017	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C018	CASF55220MV0	RV2-35V220M-R	Chip Aluminum Electrolytic Capacitor: 22uF/35V
C019	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C020a	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C020b	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C021	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C022	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C023	CCS18H180JH0	GRM1882C1H180JZ01	Ceramic Chip Capacitor: 18pF/CH/50V/1608
C024	CCS18H330JH0	GRM1882C1H330JA01	Ceramic Chip Capacitor: 33pF/CH/50V/1608
C025	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C026	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C027	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C028	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C029	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C030	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C031	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C032	CCS18H5R0CH0	GRM1882C1H5R0CZ01	Ceramic Chip Capacitor: 5.0pF/CH/50V/1608

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C033	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C034	CCS18K1R0CH0	GRM1884C1H1R0CZ01	Ceramic Chip Capacitor: 1.0pF/CK/50V/1608
C035	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C036	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C037	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C038	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C039	CCS18K1R0CH0	GRM1884C1H1R0CZ01	Ceramic Chip Capacitor: 1.0pF/CK/50V/1608
C040	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C041	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C042	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C043	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C044	CCS18H7R0JH0	GRM1882C1H7R0JZ01	Ceramic Chip Capacitor: 7pF/CH/50V/1608
C045	CCS18H220JH0	GRM1882C1H220JZ01	Ceramic Chip Capacitor: 22pF/CH/50V/1608
C046	CCS18K0R5CH0	GRM1884C1H0R5CZ01	Ceramic Chip Capacitor: 0.5pF/CK/50V/1608
C047	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C048	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C049	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C050	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C051	CCS18K2R0CH0	GRM1884C1H2R0CZ01	Ceramic Chip Capacitor: 2.0pF/CK/50V/1608
C052	CCS18H120JH0	GRM1882C1H120JZ01	Ceramic Chip Capacitor: 12pF/CH/50V/1608
C053	CCS18K0R5CH0	GRM1884C1H0R5CZ01	Ceramic Chip Capacitor: 0.5pF/CK/50V/1608
C054	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C055	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C056	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C057	CTSB2106M1C0	SK4-1C106M-RB	Chip Tantalum Electrolytic Capacitor : 10uF/16V/B_Case
C058	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C059	TMP-LI097026	ECHU1C473JX5	Stacked Metallized Film Chip capacitor : 0.047uF/16V
C060	CFS32X104JC0	ECHU1C104JX5	Stacked Metallized Film Chip capacitor : 0.1uF/16V
C061	CTSAX225M1C0	SK2-1C225M-RA	Chip Tantalum Electrolytic Capacitor : 2.2uF/16V/A_Case
C062	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A_Case
C063	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C064	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C065	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C066	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C067	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C068	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608

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C069	CCS18H180JH0	GRM1882C1H180JZ01	Ceramic Chip Capacitor: 18pF/CH/50V/1608
C070	CCS18H220JH0	GRM1882C1H220JZ01	Ceramic Chip Capacitor: 22pF/CH/50V/1608
C071	CCS18J3R0CH0	GRM1882C1H3R0CZ01	Ceramic Chip Capacitor: 3.0pF/CK/50V/1608
C072	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C073	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C074	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C075	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C076	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C077	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C078	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C079	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C080	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C081	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C082	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C083	CCS18H180JH0	GRM1882C1H180JZ01	Ceramic Chip Capacitor: 18pF/CH/50V/1608
C084	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C085	CCS18H8R0DH0	GRM1882C1H8R0DZ01	Ceramic Chip Capacitor: 8.0pF/CH/50V/1608
C086	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C087a	CCS18H470JH0	GRM1882C1H470JZ01	Ceramic Chip Capacitor: 47pF/CH/50V/1608
C087b	Not use	Not use	
C088a	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C088b	Not use	Not use	
C089	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C090a	CCS18H220JH0	GRM1882C1H220JZ01	Ceramic Chip Capacitor: 22pF/CH/50V/1608
C090b	CCS18K2R0CH0	GRM1884C1H2R0CZ01	Ceramic Chip Capacitor: 2.0pF/CK/50V/1608
C091	CCS18H220JH0	GRM1882C1H220JZ01	Ceramic Chip Capacitor: 22pF/CH/50V/1608
C092a	CCS18H330JH0	GRM1882C1H330JA01	Ceramic Chip Capacitor: 33pF/CH/50V/1608
C092b	Not use	Not use	
C093	CCS18H470JH0	GRM1882C1H470JZ01	Ceramic Chip Capacitor: 47pF/CH/50V/1608
C094	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C095	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C096	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C097	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C098	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C099	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C100	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608

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C101	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C102	CCS18H100DH0	GRM1882C1H100JZ01	Ceramic Chip Capacitor: 10pF/CH/50V/1608
C103	CCS18H390JH0	GRM1882C1H390JZ01	Ceramic Chip Capacitor: 39pF/CH/50V/1608
C104	CCS18H820JH0	GRM1882C1H820JA01	Ceramic Chip Capacitor: 82pF/CH/50V/1608
C105	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C106	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C107	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C108	Not use	Not use	
C109a	CCS18H560JH0	GRM1882C1H560JA01	Ceramic Chip Capacitor: 56pF/CH/50V/1608
C109b	CCS18K4R0CH0	GRM1884C1H4R0CZ01	Ceramic Chip Capacitor: 4.0pF/CK/50V/1608
C110	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C111a	CCS18H270JH0	GRM1882C1H270JZ01	Ceramic Chip Capacitor: 27pF/CH/50V/1608
C111b	CCS18K3R0CH0	GRM1884C1H3R0CZ01	Ceramic Chip Capacitor: 3.0pF/CK/50V/1608
C112	CCS18H390JH0	GRM1882C1H390JZ01	Ceramic Chip Capacitor: 39pF/CH/50V/1608
C113	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C114	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C115	CCS18H150JH0	GRM1882C1H150JZ01	Ceramic Chip Capacitor: 15pF/CH/50V/1608
C116	CCS18H220JH0	GRM1882C1H220JA01	Ceramic Chip Capacitor: 22pF/CH/50V/1608
C117	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C118	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C119	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C120	CCS18H221JH0	GRM1882C1H221JA01	Ceramic Chip Capacitor: 220pF/CH/50V/1608
C121	CCS18H221JH0	GRM1882C1H221JA01	Ceramic Chip Capacitor: 220pF/CH/50V/1608
C122	CCS18H101JH0	GRM1882C1H101JA01	Ceramic Chip Capacitor: 100pF/CH/50V/1608
C123	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C124	CTSAX475M1C0	SK4-1C475M-RA	Chip Tantalum Electrolytic Capacitor : 4.7uF/16V/A_Case
C125	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C126	CTSAX224M1V0	SK-1V224M-RA	Chip Tantalum Electrolytic Capacitor : 0.22uF/35V/A_Case
C127	CCS18B223KE0	GRM188B11H223KA01D	Ceramic Chip Capacitor: 0.022uF/B/50V/1608
C128	CCS18B223KE0	GRM188B11H223KA01D	Ceramic Chip Capacitor: 0.022uF/B/50V/1608
C129	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C130	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C131	CCS18B222KH0	GRM188B11H222KA01	Ceramic Chip Capacitor: 2200pF/B/50V/1608
C132	CCS18B332KH0	GRM188B11H332KA01D	Ceramic Chip Capacitor: 3300pF/B/50V/1608
C133	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C134	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608

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C135	CCS18B103KH0	GRM188B11H103KA01	Ceramic Chip Capacitor: 0.01uF/B/50V/1608
C136	CCS18B105KJ0	GRM188B10J105KA01	Ceramic Chip Capacitor: 1uF/B/6.3V/1608
C137	CFS18X182GC0	ECHU1C182GX5	Stacked Metallized Film Chip capacitor : 1800pF/16V
C138	CFS18X222GC0	ECHU1C222GX5	Stacked Metallized Film Chip capacitor : 2200pF/16V
C139	CFS18X561GC0	ECHU1C561GX5	Stacked Metallized Film Chip capacitor : 560pF/16V
C140	CFS21X472GC0	ECHU1C472GX5	Stacked Metallized Film Chip capacitor : 4700pF/16V
C141	CFS18X391GC0	ECHU1C391GX5	Stacked Metallized Film Chip capacitor : 390pF/16V
C142	CCS18B104KC0	GRM188B11C104KA01	Ceramic Chip Capacitor: 0.1uF/B/25V/1608
C143	CLMMA60150J0	HM60SJCH150J	Radial Lead Ceramic Capacitor/15pF/CH/100V
C144	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C145	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C-SP12	CCS18J3R0CH0	GRM1882C1H3R0CZ01	Ceramic Chip Capacitor: 3.0pF/CK/50V/1608
CV001	CVSC3100X1E1	CTZ3S-10CW1	Trimmer Capacitor : 10pF (-750+/-500 ppm)
CV002	CVSC3100X1E1	CTZ3S-10CW1	Trimmer Capacitor : 10pF (-750+/-500 ppm)
D001	DISPAMA728X0	MA2J728	Schottky Barrier Diode
D002	DISPAMA728X0	MA2J728	Schottky Barrier Diode
D003	DIMMBMI308X0	XB15A308A2GB	Pin Diode
D004	DIMMBMI308X0	XB15A308A2GB	Pin Diode
D005	DISTO1SS3000	1SS300	Diode
D006	DISTO2DZ4R70	02DZ4.7Y	Zenner Diode / 4.7V / Rank Not Define
D007	DISTO1SS3710	1SS371	Diode
D008	DISTO1SS3710	1SS371	Diode
D009	DISTO1SV3250	1SV325	Variable Capacitance Diode
D010	DISTO1SV3250	1SV325	Variable Capacitance Diode
D011	DISTO1SV2830	1SV283	Variable Capacitance Diode
D012	DISTO1SV2830	1SV283	Variable Capacitance Diode
D013	DISTO1SS3680	1SS368	Diode
D014	DISTO1SS3710	1SS371	Diode
D015	DISHP2817XX0	HSMS2817-B7	Schottky Barrier Diode / Ring Style
D016	DISTO1SS3680	1SS368	Diode
D017	DISTO1SS3720	1SS372	Schottky Barrier Diode
D201	DISHP2817XX0	HSMS2817-B7	Schottky Barrier Diode / Ring Style
D202	DISTO1SV2830	1SV283	Variable Capacitance Diode
D203	DISTO1SV2830	1SV283	Variable Capacitance Diode

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D204	DISTO1SS3680	1SS368	Diode
Dyy1	DISTO2DZ4R70	02DZ4.7Y	Zenner Diode / 4.7V / Rank Not Define
F001	FLSXF160FS30	HDF160FS3	SAW Filter
F002A	XFSHZ45.1MX1	45N12B5	MCF / 45.1MHz / UM5 / Pair
F002B	XFSHZ45.1MX1	45N12B5	MCF / 45.1MHz / UM5 / Pair
F003	FLSCQWM455F0	LTWM455F	Ceramic Filter / 455KHz
F201	Not use	Not use	
F202A	Not use	Not use	
F202B	Not use	Not use	
F203	Not use	Not use	
IC001	ICMMBRA35HX0	RA35H1516M	RF PA
IC002	ICSTOA75S010	TA75S01F	Operational Amp.
IC003	ICSFJB15A020	MB15A02PFV	PLL IC
IC004	ICSTOC7W66F0	TC7W66FU	Analog Switch (CMOS)
IC005	ICSTOC7W02F0	TC7W02FU	CMOS Logic (NOR)
IC006	ICSJR3404AX0	NJM3404AV	Operational Amp.
IC007	ICSTOA311361	TA31136FN	IF IC
IC008	ICSTOC75W510	TC75W51FU	Operational Amp.
IC201	ICSTOA311361	TA31136FN	IF IC
IC202	ICSTOA75S010	TA75S01F	Operational Amp.
IC203	ICSFJB15A020	MB15A02PFV	PLL IC
IC204	ICSTOC7W02F0	TC7W02FU	CMOS Logic (NOR)
JP001	RCS18X000XJ0	CR1/16-000JV	Chip Resistor : 1608/0Ω / J
JP002	Not use	Not use	
JP003	Not use	Not use	
L001	LISLTLB06510	LB-0651	Troidal Core Transformer/Bi-Filer
L002	LRSKRAX47NK2	AS100747-47N	Coil : 47nH
L003	LRSKRAX47NK2	AS100747-47N	Coil : 47nH
L004	LRSKRAX47NK1	AS080547-47N	Coil : 47nH
L005	LRSKRAR700K0	AS050847D-700N	Coil with Core : 700nH

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L006	LRSKRAR700K0	AS050847D-700N	Coil with Core : 700nH
L007	LIS21F22NJX0	LLQ2012-F22NJ	Chip Inductor : 22nH / 5%
L008	LIS21F39NJX0	LLQ2012-F39NJ	Chip Inductor : 39nH / 5%
L009	LIS18F68NJX0	LLQ1608-F68NJ	Chip Inductor : 68nH / 5%
L010	LIS18F82NJX0	LLQ1608-F82NJ	Chip Inductor : 82nH / 5%
L011	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L012	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L013	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L014	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L015	LRSKRAX56NK1	AS030921-56N	Coil : 56nH
L016	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L017	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L018	LIS18FR10JX0	LLQ1608-FR10J	Chip Inductor : 100nH
L019	LIS18F68NJX0	LLQ1608-F68NJ	Chip Inductor : 68nH / 5%
L020	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L021	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L022	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L023	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L024	LIS21FR12JX0	LLQ2012-FR12J	Chip Inductor : 120nH
L025	LIS21FR10JX0	LLQ2012-FR10J	Chip Inductor : 100nH
L026	TFLTSMD00710	SMD-0071	Balun Coil : DBM
L027	TFLTSMD00710	SMD-0071	Balun Coil : DBM
L028	LIS21DR15KX0	MLF2012DR15J	Chip Inductor : 0.15uH /
L029	LIS21DR47KX0	MLF2012DR47J	Chip Inductor : 0.47uH /
L030	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L031a	Not use	Not use	
L032	LIS21DR27KX0	MLF2012DR27J	Chip Inductor : 0.27uH /
L033	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L034	LRSLT10355X0	1.0-3.5-5TL	Coil
L201	LIS21R22JFX0	ELJNDR22JF	Chip Inductor : 0.22uH
L202	LISLTLB078X0	LB-078	Balun Coil
L203	LISLTLB078X0	LB-078	Balun Coil
L204	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L205	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L206	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L207	LIS21FR12JX0	LLQ2012-FR12J	Chip Inductor : 120nH

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L208	LIS21FR10JX0	LLQ2012-FR10J	Chip Inductor : 100nH
L209	TFLTSM03140	SMD-0314A	Balun Coil : DBM
L210	TFLTSM03140	SMD-0314A	Balun Coil : DBM
L211	LIS21DR27KX0	MLF2012DR27J	Chip Inductor : 0.27uH /
L212	LIS21A1R0KX0	MLF2012A1R0J	Chip Inductor : 1uH /
L213	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L214	LIS21A2R2KX0	MLF2012A2R2J	Chip Inductor : 2.2uH
L215	LIS18F68NJX0	LLQ1608-F68NJ	Chip Inductor : 68nH / 5%
L216	LIS18FR10JX0	LLQ1608-FR10J	Chip Inductor : 100nH
L217	LIS18F68NJX0	LLQ1608-F68NJ	Chip Inductor : 68nH / 5%
L218	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
L219	LRSKRAX64NK0	AS031021-64N	Coil : 64nH
L220	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L221	LIS252R2JXX0	ELJFC2R2JF	Chip Inductor : 2.2uH
L222	LIS211R0JFX0	ELJND1R0JF	Chip Inductor : 1uH
Q001	TRSROC144EX3	DTC144EUA	Transistor
Q002	TRSNEC3357X0	2SC3357	Transistor (hFE:RF)
Q003	TR013024	2SC5086	Transistor (hFE:Y)
Q004	TRSROIMB5AX0	IMB5A	Transistor
Q005	TRSTOSC41160	2SC4116	Transistor (hFE:GR)
Q006	TR013024	2SC5086	Transistor (hFE:Y)
Q007	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q008	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q009	TRSTOSA15860	2SA1586-GR	Transistor (hfe:GR)
Q010	TRSTOSC41160	2SC4116	Transistor (hFE:GR)
Q011	TR013024	2SC5086	Transistor (hFE:Y)
Q012	TR013024	2SC5086	Transistor (hFE:Y)
Q013	TRSTO3SK2920	3SK292	FET Dual Gate
Q014	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q015	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q016	TR013024	2SC5086	Transistor (hFE:Y)
Q017	TRSROUMD4NX0	UMD4N	
Q201	TR036004	2SC3356-R24	Transistor (hfe:R24)
Q202	TRSTO3SK2920	3SK292	FET Dual Gate
Q203	TRSNEK508X1	2SK508-K53	FET (Idss:K53)

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Q204	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q205	TR013024	2SC5086	Transistor (hFE:Y)
Q206	TR013024	2SC5086	Transistor (hFE:Y)
Q207	TR013024	2SC5086	Transistor (hFE:Y)
Q208	TRSNEK508X1	2SK508-K53	FET (Idss:K53)
Q209	TRSTOSC41160	2SC4116	Transistor (hFE:GR)
Q210	TRSTOSC41160	2SC4116	Transistor (hFE:GR)
R001	RCS31X103XJ0	CR1/8-103JV	Chip Resistor : 3216/10k Ω / J
R002	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R003	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R004	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R005	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R006	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R007	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R008	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R009	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R010	RCS18X474XJ0	CR1/16-474JV	Chip Resistor : 1608/470k Ω / J
R011	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R012	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R013	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R014	RCS31X151XJ0	CR1/8-151JV	Chip Resistor : 3216/150 Ω / J
R015	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R016	RCS18X150XJ0	CR1/16-150JV	Chip Resistor : 1608/15 Ω / J
R017	RCS18X391XJ0	CR1/16-391JV	Chip Resistor : 1608/390 Ω / J
R018	RCS18X391XJ0	CR1/16-391JV	Chip Resistor : 1608/390 Ω / J
R019	RCS31X330XJ0	CR1/8-330JV	Chip Resistor : 3216/33 Ω / J
R020	RCS18X100XJ0	CR1/16-100JV	Chip Resistor : 1608/10 Ω / J
R021	RCS18X331XJ0	CR1/16-331JV	Chip Resistor : 1608/330 Ω / J
R022	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2k Ω / J
R023	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R024	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R025	RCS18X154XJ0	CR1/16-154JV	Chip Resistor : 1608/150k Ω / J
R026	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R027	RCS18X680XJ0	CR1/16-680JV	Chip Resistor : 1608/68 Ω / J
R028	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J

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R029	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R030	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2k Ω / J
R031	RCS18X102XJ0	CR1/16-102JV	Chip Resistor : 1608/1.0k Ω / J
R032	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R033	RCS18X563XJ0	CR1/16-563JV	Chip Resistor : 1608/56k Ω / J
R034	RCS18X271XJ0	CR1/16-271JV	Chip Resistor : 1608/270 Ω / J
R035	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R036	RCS18X471XJ0	CR1/16-471JV	Chip Resistor : 1608/470 Ω / J
R037	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R038	RCS18X104XJ0	CR1/16-104JV	Chip Resistor : 1608/100k Ω / J
R039	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R040	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2k Ω / J
R041	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R042	RCS18X751XJ0	CR1/16-751JV	Chip Resistor : 1608/750 Ω / J
R043	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R044	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R045	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R046	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R047	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R048	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R049	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R050	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R051	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R052	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R053	RCS18X563XJ0	CR1/16-563JV	Chip Resistor : 1608/56k Ω / J
R054	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R055	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R056	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R057	RCS18X474XJ0	CR1/16-474JV	Chip Resistor : 1608/470k Ω / J
R058	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R059	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R060	RCS18X222XJ0	CR1/16-222JV	Chip Resistor : 1608/2.2k Ω / J
R061	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R062	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R063	RCS18X330XJ0	CR1/16-330JV	Chip Resistor : 1608/33 Ω / J
R064	RCS18X100XJ0	CR1/16-100JV	Chip Resistor : 1608/10 Ω / J

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R065	RCS18X471XJ0	CR1/16-471JV	Chip Resistor : 1608/470 Ω / J
R066	RCS18X471XJ0	CR1/16-471JV	Chip Resistor : 1608/470 Ω / J
R067	RCS18X6R8XJ0	CR1/16-6R8JV	Chip Resistor : 1608/6.8 Ω / J
R068	RCS18X472XJ0	CR1/16-472JV	Chip Resistor : 1608/4.7k Ω / J
R069	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R070	RCS18X563XJ0	CR1/16-563JV	Chip Resistor : 1608/56k Ω / J
R071	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R072	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R073	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R074	RCS18X821XJ0	CR1/16-821JV	Chip Resistor : 1608/820 Ω / J
R075	RCS18X470XJ0	CR1/16-470JV	Chip Resistor : 1608/47 Ω / J
R076	RCS18X510XJ0	CR1/16-510JV	Chip Resistor : 1608/51 Ω / J
R077	RCS18X270XJ0	CR1/16-270JV	Chip Resistor : 1608/27 Ω / J
R078	RCS18X561XJ0	CR1/16-561JV	Chip Resistor : 1608/560 Ω / J
R079	RCS18X000XJ0	CR1/16-000JV	Chip Resistor : 1608/0 Ω / J
R080	RCS18X180XJ0	CR1/16-180JV	Chip Resistor : 1608/18 Ω / J
R081	RCS18X751XJ0	CR1/16-751JV	Chip Resistor : 1608/750 Ω / J
R082	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J
R083	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R084	RCS18X221XJ0	CR1/16-221JV	Chip Resistor : 1608/220 Ω / J
R085	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R086	RCS18X272XJ0	CR1/16-272JV	Chip Resistor : 1608/2.7k Ω / J
R087	RCS18X563XJ0	CR1/16-563JV	Chip Resistor : 1608/56k Ω / J
R088	RCS18X334XJ0	CR1/16-334JV	Chip Resistor : 1608/330k Ω / J
R089	RCS18X101XJ0	CR1/16-101JV	Chip Resistor : 1608/100 Ω / J
R090	RCS18X132XJ0	CR1/16-132JV	Chip Resistor : 1608/1.3k Ω / J
R091	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R092	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
R093	RCS18X103XJ0	CR1/16-103JV	Chip Resistor : 1608/10k Ω / J
R094	RCS18X333XJ0	CR1/16-333JV	Chip Resistor : 1608/33k Ω / J
R095	RCS18X153XJ0	CR1/16-153JV	Chip Resistor : 1608/15k Ω / J
R096	RCS18X124XJ0	CR1/16-124JV	Chip Resistor : 1608/120k Ω / J
R097	RCS18X274XJ0	CR1/16-274JV	Chip Resistor : 1608/270k Ω / J
R098	RCS18X183XJ0	CR1/16-183JV	Chip Resistor : 1608/18k Ω / J
R099	RCS18X223XJ0	CR1/16-223JV	Chip Resistor : 1608/22k Ω / J
R100	RCS18X224XJ0	CR1/16-224JV	Chip Resistor : 1608/220k Ω / J

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R101	RCS18X3602F0	CR1/16-3602FV	Chip Resistor : 1608/36k Ω / F 1%
R102	RCS18X3902F0	CR1/16-3902FV	Chip Resistor : 1608/39k Ω / F 1%
R103	RCS18X4302F0	CR1/16-4302FV	Chip Resistor : 1608/43k Ω / F 1%
R104	RCS18X3602F0	CR1/16-3602FV	Chip Resistor : 1608/36k Ω / F 1%
R105	RCS18X3302F0	CR1/16-3302FV	Chip Resistor : 1608/33k Ω / F 1%
R106	Not use	Not use	
R107	Not use	Not use	
R108	Not use	Not use	
R109	Not use	Not use	
R110	Not use	Not use	
R111	RCS18X333XJ0	CR1/16-333JV	Chip Resistor : 1608/33k Ω / J
R112	RCS18X473XJ0	CR1/16-473JV	Chip Resistor : 1608/47k Ω / J
XTL1	XTSHK21R25M0	XTSHK21R25M0	XTL OSC : 21.250MHz / SMD UM-1
XTL2	XTMHZ44R6MX0	UM-5J 44.645	XTL OSC : 44.645MHz / SMD UM-1
X-SP1	Not use	Not use	
Z001	FLSCQ455C240	JTBM455C24	Ceramic Discriminator : 455KHz
Z201	Not use	Not use	
ANT001	CNMMROSE01X0	MR-OS E-01 (M-CON)	ANT Connectors

Interface Section

Symbol	PartCode	Part Name of Manufacturer	Description
C501	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C502	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C503	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C504	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C505	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C506	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
C507	CCS18B102KH0	GRM188B11H102KA01	Ceramic Chip Capacitor: 1000pF/B/50V/1608
CN501	CNML52045X0	52045-2645	Connector MI: 26pin/I/BtoFFC/Receptacle
CN502	CNMJSBOP-VL0	B03P-VL	Connector MI: 3pin/BtoW/Pin-header
CN503	CNMLILTW-8M0	LTWBD-08PMMP-LC	Circular Connector : 8pin
CN504	CNMLILTW-8M0	LTWBD-08PMMP-LC	Circular Connector : 8pin
CN505	CNMLILTW-6B0	LTWB-06PMMP-LC	Circular Connector : 6pin
CN506	CNMLILTW-8M0	LTWBD-08PMMP-LC	Circular Connector : 8pin