

Refdes	Manufacturer	Part #	Description
C1	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C2	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C3	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C4	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C5	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C6	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C7	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C8	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C9	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C10	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C11	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C12	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C13	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C14	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C15	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C16	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C17	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C18	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C19	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C20	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C21	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C22	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C23	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C24	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C25	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C26	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C27	Nichicon	F931A476MCC	Tantalum oxide chip capacitor, 47 uF, SMT size C
C28	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C29	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C30	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C31	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C32	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C33	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C34	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C35	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C36	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C37	Panasonic	ECJ-3YB1C225K	Ceramic chip capacitor, X7R, 2.2 uF, 1206
C38	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C39	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C40	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C41	Panasonic	ECJ-1VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0603
C42	Panasonic	ECJ-1VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0603
C43	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C44	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C45	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C46	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805

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C47	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C48	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C49	Panasonic	ECJ-2VB1C224K	Ceramic chip capacitor, X7R, 0.22 uF, 0805
C50	Panasonic	ECJ-1VC1H220J	Ceramic chip capacitor, NP0, 22 pF, 0603
C51	Panasonic	ECJ-1VC1H220J	Ceramic chip capacitor, NP0, 22 pF, 0603
C52	Panasonic	ECJ-1VC1H220J	Ceramic chip capacitor, NP0, 22 pF, 0603
C53	Panasonic	ECJ-1VC1H220J	Ceramic chip capacitor, NP0, 22 pF, 0603
C54	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C55	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C56	Panasonic	ECJ-2VB1C104K	Ceramic chip capacitor, X7R, 0.1 uF, 0805
C100	Panasonic	ECQ-E2105KF	Polyester film capacitor, 1.0 uF, 250 V
C101	Panasonic	ECJ-2VC1H222J	Ceramic chip capacitor, NP0, 2.2 nF, 0805
C102	Panasonic	ECJ-2VC1H102J	Ceramic chip capacitor, NP0, 1 nF, 0805
C103	Panasonic	ECJ-2VC1H102J	Ceramic chip capacitor, NP0, 1 nF, 0805
C104	Panasonic	ECJ-2VC1H222J	Ceramic chip capacitor, NP0, 2.2 nF, 0805
C105	Panasonic	ECJ-1VC1H560J	Ceramic chip capacitor, NP0, 56 pF, 0603
C106	Panasonic	ECJ-1VC1H560J	Ceramic chip capacitor, NP0, 56 pF, 0603
D1	Dialight	591-3001-013	SMT right angle bicolor LED, red/green
D2	Dialight	591-2301-013	SMT right angle LED, green
D3	Generic	MMBD7000LT1	Dual diode, SOT23
D4	Generic	MMBD7000LT1	Dual diode, SOT23
D5	Dialight	591-2301-013	SMT right angle LED, green
D6	Dialight	591-3001-013	SMT right angle bicolor LED, red/green
J1	AMP	747846-4	Connector, DB25F, right angle
J2	Molex	95001-2881	Modular jack, 8-position
J3	Molex	95001-2881	Modular jack, 8-position
J4	unknown	unknown	MTA header, 0.100", 6 posts
J5	unknown	unknown	Header, 0.100", dual row, 10 posts
J6	unknown	unknown	Jumper header, 0.100", 2 pins
J7	AMP	2-767004-2	MICTOR38 connector, female, vertical
J8	AMP	2-767004-2	MICTOR38 connector, female, vertical
JP1	unknown	unknown	Jumper header, 0.100", 2 pins
JP2	unknown	unknown	Jumper header, 0.100", 3 pins
JP3	unknown	unknown	Jumper header, 0.100", 3 pins
JP4	unknown	unknown	Jumper header, 0.100", 2 pins
JP5	unknown	unknown	Jumper header, 0.100", 2 pins
JP6	unknown	unknown	Jumper header, 0.100", 2 pins
L1	Murata	BLM31PG601SN1L	Filter inductor, 1206
L2	Murata	BLM31PG601SN1L	Filter inductor, 1206
L3	Murata	BLM31PG601SN1L	Filter inductor, 1206
OSC1	ECS	ECS-3951C-018-TR	Oscillator, SMT, 1.843200 MHz
R1	unknown	unknown	Chip resistor, 270 ohm, 0805
R2	unknown	unknown	Chip resistor, 270 ohm, 0805
R4	unknown	unknown	Chip resistor, 33 ohm, 0603
R6	Rohm	MCR10EZHI754	Chip resistor, 750k, 5%, 0805
R7	Rohm	MCR10EZHF1201	Chip resistor, 1.2k, 1%, 0805

Refdes	Manufacturer	Part #	Description
R8	Yageo	9C08052A9531FKHFT	Chip resistor, 9.53k, 1%, 0805
R9	Yageo	9C08052A4701JLHFT	Chip resistor, 4.7k, 5%, 0805
R10	unknown	unknown	
R11	Yageo	9C08052A1001JLHFT	Chip resistor, 1.0k, 5%, 0805
R12	Yageo	9C08052A1000JLHFT	Chip resistor, 100 ohm, 5%, 0805
R13	unknown	unknown	Chip resistor, 10 ohm, 0603
R14	unknown	unknown	Chip resistor, 10 ohm, 0603
R15	unknown	unknown	Chip resistor, 10 ohm, 0603
R16	unknown	unknown	Chip resistor, 10 ohm, 0603
R17	Yageo	9C08052A1000JLHFT	Chip resistor, 100 ohm, 5%, 0805
R18	unknown	unknown	Chip resistor, 10 ohm, 0603
R19	unknown	unknown	Chip resistor, 10 ohm, 0603
R20	unknown	unknown	Chip resistor, 10 ohm, 0603
R21	unknown	unknown	Chip resistor, 10 ohm, 0603
R22	Yageo	9C08052A1000JLHFT	Chip resistor, 100 ohm, 5%, 0805
R23	unknown	unknown	Chip resistor, 33 ohm, 0603
R24	Yageo	9C08052A1000JLHFT	Chip resistor, 100 ohm, 5%, 0805
R25	Yageo	9C08052A4701JLHFT	Chip resistor, 4.7k, 5%, 0805
R26	unknown	unknown	Chip resistor, 470 ohm, 0805
R27	unknown	unknown	Chip resistor, 470 ohm, 0805
R28	unknown	unknown	Chip resistor, 20k, 0805
R29	Raychem	TR600-150-RA-B-0.5	PTC thermistor
R30	Raychem	TR600-150-RA-B-0.5	PTC thermistor
R31	unknown	unknown	Chip resistor, 33 ohm, 0603
R32	unknown	unknown	Chip resistor, 33 ohm, 0603
R33	unknown	unknown	Chip resistor, 33 ohm, 0603
R34	unknown	unknown	Chip resistor, 33 ohm, 0603
R35	Yageo	9C08052A4701JLHFT	Chip resistor, 4.7k, 5%, 0805
R36	Yageo	9C08052A4701JLHFT	Chip resistor, 4.7k, 5%, 0805
R101	Yageo	9C08052A1581FKHFT	Chip resistor, 1.58k, 1%, 0805
R102	unknown	unknown	Chip resistor, 2.0k, 1%, 0805
R103	unknown	unknown	Chip resistor, 2.0k, 1%, 0805
R104	Yageo	9C08052A1581FKHFT	Chip resistor, 1.58k, 1%, 0805
R105	unknown	unknown	Chip resistor, 6.04k, 1%, 0805
R106	unknown	unknown	Chip resistor, 6.04k, 1%, 0805
R107	unknown	unknown	Chip resistor, 1k, 1%, 0603
R108	unknown	unknown	Chip resistor, 1k, 1%, 0603
R109	unknown	unknown	Chip resistor, 1k, 1%, 0603
R110	unknown	unknown	Chip resistor, 1k, 1%, 0603
R111	unknown	unknown	Chip resistor, 5.1k, 1%, 0805
R112	unknown	unknown	Chip resistor, 5.1k, 1%, 0805
R113	Yageo	9C06031A15R4FKHFT	Chip resistor, 15.4 ohm, 1%, 0603
R114	Yageo	9C06031A15R4FKHFT	Chip resistor, 15.4 ohm, 1%, 0603
RN1	CTS	766141472G	Network of 13 resistors with 1 common pin
RP1	Panasonic	EXB-V8V271JV	Pack of 4 resistors, isolated, 270 ohm
RP2	Panasonic	EXB-V8V102JV	Pack of 4 resistors, isolated, 1 kOhm

Refdes	Manufacturer	Part #	Description
RP3	Panasonic	EXB-V8V102JV	Pack of 4 resistors, isolated, 1 kOhm
S1	Teccor	SIDACtor	SIDACtor, TO-220 package
T1	Midcom	unspecified	Line transformer, HDSL/SDSL
TP1	unknown	unknown	Header post, single
U1	Freescall	MC68302FC25C	Microprocessor
U2	Conexant	RS8973EPF	SDSL transceiver
U3	Generic	74LS04	Standard logic IC, SOIC package
U4	Generic	74LS00	Standard logic IC, SOIC package
U5	Generic	29F040	Flash memory, 512Kx8, PLCC32
U6	Generic	29F040	Flash memory, 512Kx8, PLCC32
U7	Hitachi	HM628512BLFP-7	Static RAM, 512Kx8
U8	Hitachi	HM628512BLFP-7	Static RAM, 512Kx8
U9	Analog Devices	ADG704BRM	Analog multiplexor, CMOS
U10	Analog Devices	ADG704BRM	Analog multiplexor, CMOS
U11	TI	SN75173D	EIA-422/423 receiver
U12	Generic	26LS31	EIA-422 differential line driver
U13	TI	SN75LBC784DW	EIA-423 transceiver
U14	Analog Devices	ADG704BRM	Analog multiplexor, CMOS
U15	Analog Devices	ADG704BRM	Analog multiplexor, CMOS
U16	Generic	74LS04	Standard logic IC, SOIC package
U17	Analog Devices	ADP3303AR-3.3	Linear voltage regulator, 3.3V
U18	Analog Devices	ADM709LAR	Power supply monitor
U19	Generic	74LS07	Standard logic IC, SOIC package
U20	Generic	74HCT74	Standard logic IC, SOIC package
U21	Analog Devices	ADP3303AR-3.3	Linear voltage regulator, 3.3V
U22	Altera	EPF10K30ATC144	FPGA
U23	Generic	74ACT05	Standard logic IC, SOIC package
Y1	GED	HC49-10.240-.0155-.001/01	Crystal, HC49, 10.240 MHz, 15.5 pF
Y2	GED	TBD	Crystal, HC49, to be characterized