

Comment	Description	Designator	Fitted	Quantity	Manufacturer	Manufacturer Part Number 1
CAP 100nF 50V 0805(2012)	CAP 100nF 50V ±20% 0805 (2012 Metric) Thickness 0.75mm SMD	C1, C4, C5, C7, C8, C10, C11, C13, C14, C15, C17		11	KEMET	C0805C104J5RACTU
CAP 10uF 25V 0805(2012)	CAP 10uF 25V ±20% 0805 (2012 Metric) Thickness 1.45mm SMD	C2, C6, C9, C12, C19_C, C19_X, C22_C, C22_X, C25, C32, C35, C37, C43, C57, C61		15	MURATA	GRM21BR61E106KA73L
CAP 1.5nF 50V 0805(2012)	CAP 1.5nF 50V ±10% 0805 (2012 Metric) Thickness 0.75mm SMD	C3		1	Yageo	CC0805KRX7R9BB152
CAP 2.2uF 50V 0805(2012)	CAP 2.2uF 50V ±10% 0805 (2012 Metric) Thickness 1.45mm SMD	C16		1	MURATA	GRM21BR61H225KA73L
CAP 47pF 50V 0805(2012)	CAP 47pF 50V ±5% 0805 (2012 Metric) Thickness 0.75mm SMD	C18_C, C18_X		2	KEMET	C0805C470J5GACTU
CAP 10nF 25V 0805(2012)	CAP 10nF 25V ±10% 0805 (2012 Metric) Thickness 0.75mm SMD	C20_C, C20_X, C21_C, C21_X, C58, C60		6	Yageo	CC0805KRX7R8BB103
CAP 4.7nF 50V 0805(2012)	CAP 4.7nF 50V ±10% 0805 (2012 Metric) Thickness 0.75mm SMD	C23		1	Yageo	CC0805KRX7R9BB472
CAP 470pF 50V 0805(2012)	CAP 470pF 50V ±10% 0805 (2012 Metric) Thickness 1mm SMD	C24		1	KEMET	C0805C471K5RACTU
CAP 100nF 50V 0805(2012)	CAP 100nF 50V ±20% 0805 (2012 Metric) Thickness 1mm SMD	C26, C27, C28, C29, C30, C31, C33, C34		8	KEMET	C0805C104M5RACTU
CAP 120nF 50V 0805(2012)	CAP 120nF 50V ±20% 0805 (2012 Metric) Thickness 1.45mm SMD	C36		1	AVX	08055C124KAT2A
CAP 100nF 50V 1206(3216)	CAP 100nF 50V ±10% 1206 (3216 Metric) Thickness 1.7mm SMD	C38		1	KEMET	C1206C104K5RACTU
CAP 1uF 25V 0805(2012)	CAP 1uF 25V ±20% 0805 (2012 Metric) Thickness 1mm SMD	C39, C42		2	MURATA	GRM219R61H105KA73D
CAP 15pF 50V 0805(2012)	CAP 15pF 50V ±10% 0805 (2012 Metric) Thickness 0.75mm SMD	C40, C41		2	KEMET	C0805C150J5GACTU
CAP 100nF 50V 0603(1608)	CAP 100nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C44, C45, C46, C47, C48, C49, C50		7	Yageo	C1608X7R1H104K

CAP 1nF 50V 0805(2012)	CAP 1nF 50V ±5% 0805 (2012 Metric) Thickness 0.75mm SMD	C59	1 KEMET	C0805C102J5GACTU
CAP 47uF 25V 2220(5750)	CAP 47uF 25V -20% to +80% 2220 (5750 Metric) Thickness 2.2mm SMD	C62	1 TDK	C5750X5R1C476M230KA
SMA Vertical		CON2_C, CON2_X, CON4, CON8	4 AMPHENOL CC	132134
95009-2667	Right Angle, Standard Profile, Flush Mount PCB Jack	J1, J2	2 MOLEX	95009-2667
Blue	LED, 1206, BLUE, 140MCD, 473NM	L1	1 DIALIGHT	598-8291-107F.
Red	LED, ALINGAP, SMD, 1206, RED	LED1, LED3	2 KINGBRIGHT	KPC-3216SURCK
Green	LED, SMD, 1206, CLR LENS, GREEN	LED2, LED5	2 KINGBRIGHT	KPC-3216SGC
Yellow	LED, ALINGAP, SMD, 1206, YELLOW	LED4	1 KINGBRIGHT	KPC-3216SYCK
Header 10X2	Header, 10-Pin, Dual row	P1, P3	2 MOLEX	90131-0770
Header 2, Header 6	Header, 2-Pin, Header, 6-Pin	P2_C, P2_X, P18, P19	4	
MOLEX SL 3W VERT	MOLEX - 70543-0037 - WIRE-BOARD CONNECTOR HEADER 3POS, 2.54MM	P4, P5, P6	3 MOLEX	70543-0037
MOLEX SL 4W VERT	MOLEX - 70543-0108 - CONNECTOR, HEADER, 4POS, 1ROW, 2.54MM	P7	1 MOLEX	70543-0003
MOLEX SL 5W VERT	MOLEX - 70543-0004 - CONNECTOR, HEADER, 5POS, 1ROW, 2.54MM	P8	1 MOLEX	50579002
1K8 5% 0805(2012)	1K8 0.125W 5% 0805 (2012 Metric) SMD	R1, R2, R4, R5, R7	5 Panasonic	ERJ-6GEYJ182V
47R 5% 0805(2012)	47R 0.125W 5% 0805 (2012 Metric) SMD	R3	1 Yageo	RC0805JR-0747RL
680R 1% 0805(2012)	680R 0.125W 1% 0805 (2012 Metric) SMD	R6	1 Vishay	CRCW0805680RFKEA

10K 1% 0805(2012)	10K 0.125W 1% 0805 (2012 Metric) SMD	R8	1 Vishay	CRCW080510K0FKEB
1K 5% 0805(2012)	1K 0.125W 5% 0805 (2012 Metric) SMD	R9, R32, R37, R38, R39	5 Yageo	RC0805JR-071KL
1K5 5% 0805(2012)	1K5 0.125W 5% 0805 (2012 Metric) SMD	R10_C, R10_X	2 Yageo	RC0805JR-071K5L
100K 5% 0805(2012)	100K 0.125W 5% 0805 (2012 Metric) SMD	R11_C, R11_X	2 Vishay	CRCW0805100KJNEA
150K 5% 0805(2012)	150K 0.125W 5% 0805 (2012 Metric) SMD	R12_C, R12_X	2 Vishay	CRCW0805150KJNEA
10K 5% 0805(2012)	10K 0.125W 5% 0805 (2012 Metric) SMD	R13_C, R13_X, R14_C, R14_X, R27, R28, R29, R30, R31, R34	10 Vishay	CRCW080510K0JNEB
100R 5% 0805(2012)	100R 0.125W 5% 0805 (2012 Metric) SMD	R15_C, R15_X, R16_C, R16_X, R65, R67, R69	7 Yageo	RC0805JR-07100RL
27K 5% 0805(2012)	27K 0.125W 5% 0805 (2012 Metric) SMD	R17_C, R17_X, R66	3 Vishay	CRCW080527K0JNEA
330R 5% 0805(2012)	330R 0.125W 5% 0805 (2012 Metric) SMD	R18_C, R18_X	2 Vishay	CRCW0805330RJNEA
1K2 5% 0805(2012)	1K2 0.125W 5% 0805 (2012 Metric) SMD	R19_C, R19_X, R20_C, R20_X	4 Yageo	RC0805JR-071K2L
2K2 5% 0805(2012)	2K2 0.125W 5% 0805 (2012 Metric) SMD	R21, R22, R23, R25, R63, No R64	6 Yageo	RC0805JR-072K2L
150R 5% 0805(2012)	150R 0.125W 5% 0805 (2012 Metric) SMD	R24	1 Panasonic	ERJ-6GEYJ151V
6K8 5% 0805(2012)	6K8 0.125W 5% 0805 (2012 Metric) SMD	R26	1 Vishay	CRCW08056K80JNEA
10R 5% 0805(2012)	10R 0.125W 5% 0805 (2012 Metric) SMD	R35	1 Yageo	RC0805JR-0710RL
220R 5% 0805(2012)	220R 0.125W 5% 0805 (2012 Metric) SMD	R36	1 Yageo	RC0805JR-07220RL
3K3 5% 0805(2012)	3K3 0.125W 5% 0805 (2012 Metric) SMD	R68	1 Panasonic	ERJ-6GEYJ332V

10R 1% 0805(2012)	10R 0.125W 1% 0805 (2012 Metric) SMD	R71	1 Vishay	CRCW080510R0FKEB
OPA691IDG4	Wideband Current Feedback Operational Amplifier with Disable, 5 to 12 V, -40 to 85 degC, 8-pin SOIC (D8), Green (RoHS & no Sb/Br)	U1	1 Burr-Brown	OPA691IDG4
ADS805EG4	12-Bit, 20 MSPS ADC Internal / External Reference, Flexible Input between 2 and 5 Vpp, Out of Range Indicator, -40 to 85 degC, 28-pin SOP (DB28), Green (RoHS & no Sb/Br)	U2	1 Burr-Brown	ADS805EG4
OPA2228PA, OPA2228PAG4	High Precision, Low Noise Operational Amplifier, 5 to 36 V, -55 to 125 degC, 8-pin DIP (P8), Green (RoHS & no Sb/Br)	U3_C, U3_X, U21	3 TEXAS INSTRUI	OPA2228PA..
OP37GPZ	Single Channel Low Noise Operational Amplifier, 63 MHz BW, 17 V/us SR, Industrial, 8-pin DIP (N-8), Tube	U4	1 ANALOG DEVIC	OP37GPZ
LTC1668		U5	1 LINEAR TECHN	LTC1668CG#PBF
MCP9701AT-E/TT	Low-Power Linear Active Thermistor IC, 3-Pin SOT-23, Extended Temperature, Tape and Reel	U6	1 Microchip	MCP9701AT-E/TT
PIC16F1516-E/SO	Flash Microcontroller with XLP Technology, 20 MHz, 24 I/O, -40 to 125 degC, 28-pin SOIC (SO28), Tube	U7	1 MICROCHIP	PIC16F1516-I/SO

PIC32MX795F512L-80I/PF	High Performance 80 MHz MIPS-Based 32-Bit Flash Microcontroller with USB, CAN and Ethernet, 512KB Program Memory, 100-pin TQFP, Industrial Temperature	U9	1 Microchip	PIC32MX795F512L-80I/PF
TC1262-3.3VDB	500mA Fixed Output CMOS LDO, 3-Pin SOT-223, Extended Temperature	U10	1 Microchip	TC1262-3.3VDB
8MHz	CRYSTAL, 8MHZ, 16PF, SMD	Y1	1 MULTICOMP	HC49SM-8-30-50-60-16-ATF