

Bill of Materials

Project Title: Bill of Materials for PCB Document [PCB_FinalPcbDoc]
Project File Name: LASET_Pj/PrjPcb
Assembly Variant: None

Altium
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USA

Part Number	Description	Designator	Manufacture	Manufacture Part Number	Supplier	Supplier Part Number	Supplier Unit Price	Quantity
CMP-2006-02254	CAP CER 4.7UF 6.3V XSR	C1						1
CMP-0687-00089	Aluminum Electrolytic Capacitor, UD Series, Low Impedance, 330 uF, 25 V, +/- 20%, -55 to 105 degC, Chip Type, 8 x 10 mm D x L, Pb-Free, Reel	C2						1
CMP-2007-04514	Chip Capacitor, 1 uF, +/- 10%, 25 V, -55 to 125 degC, 1206 (3216 Metric), RoHS, Tape and Reel	C3						1
CMP-2000-04993	Standard Tantalum, 22 uF, +/- 10%, 16 V, -55 to 125 degC, 2 Pin SMD (1212), RoHS, Tape and Reel	C4						1
CMP-2100-03689	Capacitor Polaris	C5						1
T491A106K020A	Capacitor Polaris	C6, C7						2
CMP-08246-0034	Multilayer Ceramic Capacitors 10uF +/-10% 16V XSR SMD 1206	C8, C23						2
CMP-2100-03643	CAP CER 0.1uF 16V X7R	C9, C22						2
CMP-2006-02448	Cap CER 0.1uF 16V X7R	C10, C11						2
CMP-2006-04264	Cap CER 0.1uF 16V XSR 0603	C12, C13						2
CMP-1035-02737	CAP CER 0.1uF 50V X7R	C15						1
CMP-2100-03603	Cap CER 0.1uF 50V X7R	C16, C17, C18, C19, C20, C21						6
SMA18-SA-M3	6 TVS Diode (Uni-directional)	D1, D5, D6						3
CMP-02320-00008	LED GREEN 0603 SMD	D2, D3, D4						3
SF-0603SA200M	Fuse	F1						1
MMZ1608S601A	Ferrite Bead	FB1						1
CMP-1387-00004	SMD Power Inductor WE-70 HV, L=1000 uH	L1, L2						2
V7805-2000	Power Supply	P1						1
LM1117DT-3.3	Integrated Circuit	P2						1
23-12-4022	Connector	P3						1
CMP-1502-01064	THT Vertical Pin Header With PHD, Pitch 2.54 mm, Single Row, 4 pins	P4						1
S3048-0410	Connector	P6, P7, P8, P9, P10, P11, P12, P13						4
M50-3530642	Connector	P14						1
22-28-4046	Connector	P15						1
22-93-5045	Connector	P16, P17						2
22-03-5035	Connector	P18						1
S12301805-T1-BE	Integrated Circuit	G1						1
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R1, R18, R24, R25						4
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R2, R5, R19, R20, R21, R28						6
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R3						1
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R4, R6, R10						3
CMP-2000-05022	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R7, R8						2
CMP-2100-03667	Chip Resistor, 0 Ohm, +/- 5%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R9, R11, R12, R15, R16						5
CMP-2100-03667	Chip Resistor, 0 Ohm, +/- 5%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R13, R14						2
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R17						1
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R22, R23						2
CMP-2000-00897	Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R26, R27						2
CMP-03402-00000	SWITCH TACTILE SPST-NO USA 24V	SW1						1
CMP-2000-06884	SWITCH SLIDE SPDT 300MA 40V	SW2						1
STM32F103R8T6	No Description Available	U1						1
CMP-0310-00139	Differential Bus Transceiver, 1 Tx / 1 Rx, 5V, 0 to 70 degC, 8-Pin SOIC (D), Green RoHS & no Sb/Br	U2						1
TIA1051T_3_CM	Integrated Circuit	U3						1
CMP-2000-05036	Low Frequency Crystal, 32.768 KHz, 8 pF, +/- 20 ppm, -40 to 85 degC, 4-Pin SMD, RoHS, Tape and Reel	X1						1
CMP-1749-00003	Resistance Weld Thru-Hole Crystal, 16 Mhz, -20 to 70 degC, 2 Pin THD, RoHS, Bulk	X2						1
15MB59218T3G	Zener Diode	Z1						1
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Approved	Notes
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