



























**R6** 

RE

R■ U1\_Stepper\_M

U\_SERI

1111111

Designator	Footprint	LibRef	Quantity
C1, C2F_DC1, C_ACC_PF2, C_ENA_DC1, C_ENB_DC1, C_ENC1_F, C_ENC2_F, C_VCP_DC1, C_VDD1, C_VDD2, C_VDD2, C_VR_PWR, C_VRH2, C_Y1, C_Y2, CBoot_DC1, Cbst_A_Cbst_D, Cin_A_Cin_D, Cin_X_A, Cin_X_D, Cout_A, Cout_D, CX1, CX2, CX3, CX4	CAPC2012X09M	CAP-X7R-47000pF-50V-±10%, CAP-X7R-1uF-16V-±10%, CAP-X7R-1uF-16V-±10%, CAP-X7R-1uF-16V-±10%, CAP-X7R-5600pF-50V-±10%, CAP-X7R-5600pF-50V-±10%, CAP-X7R-5600pF-50V-±5%, CAP-X7R-1uF-50V-±5%, CAP-X7R-1uF-50V-±5%, CAP-X7R-1uF-50V-±5%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-1000pF-50V-±10%, CAP-X7R-2_UF-16V-±10%, CAP-X7R-10V-±10%, CAP-X7R-2_UF-16V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10V-±10%, CAP-X7R-10F-60V-±10%, CAP-COG-10000pF-50V-±5%	28
C2, C3, C4, C_BYPASS, C_VDDR,		Cap Polar-0.33uF-50V, Cap Polar- 0.33uF-50V, Cap Polar-0.33uF-50V, Cap Polar-0.1uF-50V, Cap Polar- 10uF-16V, Cap Polar-10uF-16V, Cap	
C_VDX1, C_VRH1	CAPACITOR_3MM	Polar-10uF-16V	7
C_ACC_PF1	CAPACITOR_5MM	Cap Polar-10uF-35V	1
C_F_DC1	CAPACITOR_6.3MM	Cap Polar-100uF-16V	1
C_in_LVR_5VD, Cout_LVR3V3		CAPACITOR POL	2
D1_2V5_REF D1_5V5A, D1_5V5D	DIOM4326X23M	D Zener DIODE SCHOTTKY 40V 2A SMA	1 2
D1_DC1, D2_DC1, D_Reset	zener_sod323	Diode 1N4148	3
H1_BDM	HDR2X3	Header 3X2	1
H1_ENC1	HDR1X4	Header 4	1
H2_ENC2	HDR1X4	Header 4	1
H2_VRH, H3_VRL, H_PLL, H_VDDA,	LIDBAY2		
H_XCF, V_BAT	HDR1X2	Header 2	6
H4_LCDHeader H4_ServoM, H6_DAC	HDR1X16_LCD HDR1X3	Header16_LCD Header 3	2
J DB9	DSUB1.385-2H9	D Connector 9	1
L1_A, L1_D	INDP8080X40M	SRN8040	2
L_VDDA	C1210	INDUCTOR	1
PORT_E	HDR1X5	Header 5	1
R1, R1_ACCL, R1_LCD, R2, R2_ACCL, R2_LCD, R3, R3_LCD, R4, R4_LCD, R5, R6, R. ACCL_OUT1, R_ACCL_OUT2, R_BDM, R_DAC, R_ENA_DC1, R_ENB_DC1, R_ENC1_TX, R_ENC1_TY, R_ENC2_TX, R_ENC2_TX, R_ENC2_TX, R_ENC2_TX, R_ENC2_TX, R_S1, R_XMRQ, R_Y1, R_Y2, R_Z_REF, R51_R, R51_R, R51_D, Rfb1_A, Rfb1_D, Rfb2_A, Rfb2_D, RVCP_DC1, RX1	RESC2112X05M	Resistor_1.0.0K, Resistor_1.00K, Resistor_1.75K, Resistor_1.0.0K, Resistor_1.00K, Resistor_4.75K, Resistor_1.0.0K, Resistor_4.75K, Resistor_1.0.0K, Resistor_4.75K, Resistor_1.0.0K, Resistor_4.75K, Resistor_4.75K, Resistor_4.75K, Resistor_4.75K, Resistor_1.0.0K, Resistor_2.87K, Resistor_2.87K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K, Resistor_5.11K	37
R_Cont	BOURNS_3386F	RPot	1
SW1_RESET	TACT_SWITCH_6MM_SMT	SWITCH_TACTILE	1
U1_ACCL	SOIC127P600X175-14M-NS	LMC6484_0	1
U1_LVR_3V3	MP04A_L	LM1117IMP-ADJ/NOPB	1
U1_Stepper_M	SO20_N	L293DD	1
U2_DC_Motor1	POWERSOP20 TSOP65P490X110-8M	L6225	1
U3_DAC U_ACCL	LGA-14-3X5MM	Max5513-dac LIS352AR	1
U_CPU1	QUAD.65M/80/WG17.45-HCS12	MC9S12C128MFUE	1
U_ENC2, U_ENC_1	QUAD.65M/80/WG17.45-HCS12 SOIC127P600X175-14M	74ACT14 3	2
U_PS1_A, U_PS1_D	MRA08B L	LM22675MR-ADJ/NOPB	2
U RES	SOT95P230X110-3M	DS1813-10	1
U_SER1	NSO16_N	MAX3232CSE	1
Y1	PCBComponent_1	ECS-160-20-5P	1