















MIC5209-3.3YS	Atmel ARM Cortex M3 MCU ATSAM3X8CA-AU	US U6	SOT230P700X190-4N ATSAM3X8CA-AU TQFP100	MICS209-3.3YS ATML-ATSAM3X8CA-AU- LQFP-100	
LM25011MIVNOPB MIC5209-3-3YS	REG BUCK	04 05	VSSOP10 SOT230P700X190-4N	LM25011 MIC5209-3.3YS	
DS0104E Level Shifter	Bidriectional Opendrain/pushpull level shift	U2	RGY (S-PVQFN-N14)	TXS0104E	,
DRV8825	Driver TXS0104E -	U1_M1, U1_M2, U1_M3, U3	DRV8825PWPR	DRV8825	
174	Socket DRV8825 Ti Stepper	195_M1, 195_M2, 195_M1, 195_M1, 195_M2, 196_M1, 196_M1, 196_M2, 196_M2, 196_M2, 196_M2, 196_M2, 196_M2, 196_M2, 196_M3, 196_M1, 196_M2, 196_M3, 196_M3, 196_M1, 196_M2, 196_M3, 196_M3	D-2	Socket	4
		IPS_M3, TP4_M1, TP4_M2, TP4_M3, TP5_M1, TP5_M2, TP5_M3, TP6_M1, TP6_M2, TP6_M3, TP7_M1, TP7_M2, TP7_M3, TP6_M3, TP7_M3, TP6_M3, TP8_M2, TP8_M3, TP9_M3, TP9_M3, TP9_M3, TP9_M3,			
1571610-2 3220-20-0300-00	SWITCH Momentary Washable HDR 20pos Vert Dual Rose SMT	51 T1 T1, ES1, TP1, ES2, TP1, ES3, TP2, ES1, TP2, ES2, TP2, ES3, TP3, M1, TP3, M2, TP3, M3, TP4, M1, TP4, M2, TP4, M3, TP5, M1, TP5, M2, TP5, M3, TP6, M1, TP5, M3, TP6, M1, TP5, M3, TP6, M1, TP5, M2, TP5, M2,	83F-31XX 3220-20-0300-00 -AVR	1571610-2_1 3220-20-0300-00	
4.7K 1571610-2	RES 0603 4.7K 100mW 1% SWTCH Momentary Washable	843_U_TR1, 843_U_TR2, 843_U_TR3, 843_U_TR4, 844_U_TR1, 844_U_TR2, 844_U_TR3, 844_U_TR4	R0603 B3F-31XX	ERJ3EKF4701V 1571610-2_1	
Res3	Resistor	R30	SM 0805 - gap trimmed	Rm3	
0.6r Res3	RES 0.06 OHM 1W 1% 2512 SMD Resistor	R26 R29, R41	2512R-0.55 J1-0603	RL2512FK-070R06L Res3	
10K	RES 0402 22r 63mW 1% RES 0603 10K 100mW 1%	R25, R27, R28, R34	R0603	ERU-3EKF1002V	
100K 200K	1% 0603 SMD	R9, R12, R15, R18 R23	R0603 R0402	RC0603FR-07100KL CRCW0402200KFKED	
10r	RES 0603 10r 100mW 1% RES 100K OHM 1/10W	R8, R11, R14, R17	R0603	CRCW060310R0FKEA	
1.8K	2W 2512 RES 0603 1.8K 100mW 5%	R21, R22 R7, R10, R13, R16	R0603	RC0603JR-071KBL	
2512	RES SMD 0.1 OHM 1% 2W 2512	R5_M1, R5_M2, R5_M3, R6_M1, R6_M2, R6_M3, R21_R22	25128.055	C58N2512F78100	
0603	Resistor	R19, R42 R4_M1, R4_M2, R4_M3, R20, R31, R32, R35, R37, R38, R39, R40 R5_M1, R5_M2, R5_M3, R6_M1, R6_M2, R6_M3,	J1-0603	Res3	1
2.7K 1M	1/10W 0402 RES 0402 1M 100mW 5%	R2_ES2, R2_ES3 R3_M1, R3_M2, R3_M3, R19, R42	R0402 R0402	ERJ-2GEJ272X ERJ2GEJ105X	
PSMN7RO-60YS	N-Channel MOSFET RES SMD 2.7K OHM 5% 1/10W 0402	Q3, Q4 R1_E51, R1_E52, R1_E53, R2_E51, R2_E52, R2_E53 R3_M1, R3_M2, R3_M3, R19, R42	PSMN7RD-60YS	PSMN/7RO-60YS	-
Header 5X2 NCV8402AD	now	P1 Q1	HDR2X5 NCV8402AD-SOIC8	Header 5X2 NCV8402AD	
Molex 70543-03	Header, 5-Pin. Dual	MAX1_ES3, MIN1_ES1, MIN1_ES2, MIN1_ES3	70543-03	Molex Endstop	
Molex 0705430003	Molex 4 Pin Clip Connector	M1_M1, M1_M2, M1_M3, M2, M3 MAX1_ES1, MAX1_ES2,	4901254	Molex 0705430003 Alt	
TSH-105-XX-X-DV GAL5050-153MEB	IND 15uH 3.9A 20% Molex 4 Pin Clip	JTAG/DEBUG1	FTSH-105-XX-X-DV XAL50xx-153	ARM Cortex JTAG- DEBUG Header XALS050-153MEB	
on-phoenix-508 - 4	con-phoenix-508 - 4	HEATERS1, PWR INPUTI	MSTBV4	con-phoenix-508_4	
SLM41PG6005N1L FIDUCIAL	60ohm	FB5, FB6 FD1, FD2, FD3	L1806 FIDUCIAL-1X2	BLM41PG6005N1L FIDUCIAL	
Wolex 70543-02 SLM15HG6015N1D	Molex 70543-02 BLM15HG6015N1D FERRITE BEAD 1806	FB1, FB2, FB3, FB4	70543-02 BLM18PG121SN1D	Molex 70543-02 BLM15HG6015N1D	
Marie 200 42 00		PAN-1, PAN-2, P2_U_TR1, P2_U_TR2, P2_U_TR3, P2_U_TR4	30642.00	Marian 200 42 42	
PESD+L28T 1557-2	PESDxL2BTTVS Diode Array 2x FUSE PTH ATO	DA1_ES3, DA2 DA1_ES3, DA2	SO195P230X110-3N 3557	PESDxL28T 3557-2	
IN414BWT	DIODE SOD523	D23_U_TR1, D23_U_TR2, D23_U_TR3, D23_U_TR4, D24_U_TR1, D24_U_TR2, D24_U_TR3, D24_U_TR4	SOD523	1N4148WT	
S839VTE-17	DIODE TVS	D22	50D323-R	RS839VTE-17	
ED2	YELLOW, AMBER GaAs LED	020	SM 0805 polarized	LED2	
IK310A	Z-Diode DIODE Schottky 3A SMA Drival BED, GREEN	D19, D25	SMA-SM	SK310A	
I3A-13-F IZMM3Z4V7T1G	DIODE DO-214AB Z-Diode	D17 D18	DO-214AB SOD323-R	S3A-13-F SZMM3Z4V7T1G	
IX310A-TP	DIODE Schottky 3A SMA	D7, D10, D15	SMA-SM	SK310A	
988140107F	CAP CER 0603 100nF 50V 10% X7R LED 0805 Yellow	C67, C68, C69, C70 D5, D6, D8, D9	C0603 LED2012120	C0603C104K5RACTU 5988140107F	
170uf	Model) CAP ALU 470uF 50V 20%	C66	C12,5-5	UPW1H471MHD1TO	
Cap Semi	Model) Capacitor (Semiconductor SIM Model)	C62	1608(0603)	Cap Semi	
1206	20% SMD Capacitor (Semiconductor SIM Model)	(34	C1206	Can Sami	
TuF EEE-1VA101XP	10% XSR CAP ALUM 100UF 35V	C32	C0402 EEE-TVA101XP	GRM155R60J105KE19D EEE-1VA101XP	
10uf	10% X5R CAP CER 0402 1uF 6:3V	C31	C0805	C0805C106K8PACTU	
4.7uF TuF	SOV 10% XSR CAP CER 0805 1uF 50V 10% X7R CAP CER 0805 10uF 10V	C29	C0805	GRM218R71H105KA12L	
0603 4.7uF	Model) CAP CER 1206 4.7uF 50V 10% XSR	C17, C36, C37, C38	1608(0603) C1206	Cap Semi C1206C475K5PACTU	
0603	JB 0603 Capacitor Semiconductor SIM	C15, C16	C0603	C1608/80/106K080A8	
10uf	CAP CER 0603 1uF 10V YSV CAP CER 10UF 6.3V 10% JB 0603	C26	C0603	CC0603ZRYSV68B105	16
	CAP CER 0603 1uF 10V	CB_M1, CB_M2, CB_M3, C9_M1, C9_M2, C9_M3, C12_M1, C12_M2, C12_M3, C21, C22, C23,			
100nF	CAP CER 0402 100nF 16V 10% X7R	C63_U_TR2, C63_U_TR3, C63_U_TR4 C7_M1, C7_M2, C7_M3, C8_M1, C8_M2, C8_M3, C9_M1, C9_M2, C9_M3,	C0402	GRM155R71C104KA88D	10
		C1,551, C1,552, C1,553, C1,553, C1,553, C1,553, C4,551, C1,553, C4,551, C1,552, C4,552, C4,552			
100nF	CAP CER 0603 100+F 50V 10% X7R	C3_M1, C3_M2, C3_M3, C28, C30 C6_M1, C6_M2, C6_M3,	C0603	C0603C104K5RACTU	
0402	CER 0.107 (100-67) 169/ 10% X7R 0402, CAP CER 0.10F (100-67) 169/ 10% X7R 0402, CAP CER 0.10F (100-67) 169/ 10% X7R 0402, CAP CER 0.10F (100-67) 169/ 10%	C53, C54, C55, C56, C57, C58, C59, C60, C61	C0402	GRM155R71C104KA88D	31
	0.1UF (100=F) 16V 10% X7R 0402, CAP CER	C41, C42, C43, C44, C45, C46, C47, C48,		GRM155R71C104KA88D	
		C4_M2, C4_M3, C5_M1, C5_M2, C5_M3, C13, C14, C18, C19_C40		GRM155R71C104KA88D	
	CAP CER 0.1UF (100mF)	C1_ES1, C1_ES2, C1_ES3, C2_ES1, C2_ES2, C2_ES3, C4_M1,		GRM155R71C104KA88D GRM155R71C104KA88D	
	10% X7R 0402, CAP CER 10000PF 50V X7R 0402,	0.81.0 **		GRM155R71C104KA88D	
	GRM155R60474KE19D, 0.47uF 6.3v CD402 - GRM155R60474KE19D, CAP CER 0.1UF (100mF) 16V 10% X7R 0402, CAP CER 0.1UF (100mF) 16V 30% X7R 0402, CAP CER 10000PF 50V X7R 0402, 0.47uF 6.3v CD402 - CRM15ER0474F6.3v CD402 -			GRM155R71C104KA88D	
	GRM155R603474KE19D, 0.47uF 6.3v CD402 - GRM155R603474KE19D			GRM155R60J474KE19D, GRM155R71C104KA88D	
	C0402 - GRM155R603474KE19D, 0.47uF 6.3v C0402 - GRM155R603474KE19D,			GRM155R71C104KA88D GRM155R71H103JA88D	
	CAP CER 10000PF 50V X7R 0402, 0.47uF 6.3v			GRM155R60J474KE19D, GRM155R71C104KA88D GRM155R71C104KA88D	
	GRM155R60HT4KE190, CAP CER 10000PF SOV 30'R 0402, CAP CER 10000PF SOV XTR 0402, CAP CER 10000PF SOV 30'R 0402, 0.47 uF 6.3v C0402 - 0.47 uF 6.3v			GRM155R60J474KE19D, GRM155R60J474KE19D, GRM155R60J474KE19D, GRM155R71C104KA88D	
				GRM155R71H103JA88D	
	0.47uF 6.3v CD402 - GRM155R603474KE19D, 0.47uF 6.3v CD402 - GRM155R603474KE19D,			GRM155R71H103JA88D GRM155R71H103JA88D	
	GRM155860474KE19D, GRM155860474KE19D, GA7uF 6.3v CD402 - GRM155860474KE19D, GA7uF 6.3v CD402 - GRM155860474KE19D, GA7uF 6.3v CD402 - GRM155860474KE19D,			GRM155R60474E19D, GRM155R60474E19D, GRM155R60474E19D, GRM155R60474E19D, GRM155R60474E19D, GRM155R60474E19D, GRM155R60474E19D,	