



100uF 25V RADIAL C1	Comment	Description	Designator	Footprint	LibRef	Quantity
100uF CAP ALUM 47UF 20% C2 FP-ZLG6_3X7-MFG CMP-35376-000005-1 1 1 1 1 1 1 1 1 1	0.1uF	CAP ALUM 47UF 20%	C1	FP-ZLG6_3X7-MFG	CMP-35376-000005-1	1
1000uF 25W RADIAL C2						
Aluminum Electrolytic Capacitor, 1000 uF, -/2 (278, 16.V., 40 to 105 deg.C, 2-Pin THID, RoHS, Tape and Reel	100uF		C2	FP-ZLG6_3X7-MFG	CMP-35376-000005-1	1
1000uF Capacitor, 1000 uF, 47 20%, 16 V, -40 to 105 deg(2, 2Pin THD), RoHS, Tape and Reel	1000uF					
10000F 20%, 14 V40 to 105 6 degC, 2-Pin THD, RoHS, Tape and Reel 100F 20F ALUM 47UF 20% CAPALUM		,				
degC, 2-Pin THD RoHS, Tape and Reel		1 '	C3	PNSC-EEUFM1H221-2	CMP-2000-05313-1	1
CAP ALLM 47UF 20% 25V RADIAL 25%						
MKRAWT-00-0000- LED, White, 6 V, 2-Pin SMD, Rohls, Tape and DS1 CREE-MK-R-2_V CMP-2100-00930-1 1 1 1 1 1 1 1 1 1		RoHS, Tape and Reel				
MKRAWT-00-0000- MKRAWT-00-	10uF	CAP ALUM 47UF 20%	C4 CE	ED 71.04 2V7 MEC	CMD 25274 000005 1	2
SMD, RoHS, Tape and Ree! SMT to Pin Header Pin, 3 Position, -25 to 85 degC, RoHS, Bulk SMT 10-Pin Header Pin, 3 Position, -25 to 85 degC, RoHS, Bulk P1			C4, C5	FP-ZLG6_3X7-IVIFG	CIVIP-35376-000005-1	2
MD, RoHS, Iape and Reel MD, RoHS, Iape a	MK D V /V L OU UUUU	LED, White, 6 V, 2-Pin				
Neel		SMD, RoHS, Tape and	DS1	CREE-MK-R-2_V	CMP-2100-00930-1	1
PJ-002A	0D001140L3	Reel				
PJ-002A	PJ-002A	Through Hole Right				
PJ-002A 2.5 A, 2 mm Center Pin, 3 Position, -25 to 85 degC, RoHS, Bulk P1		0				
Pin, 3 Position, -25 to 85 degC, RoHS, Bulk P1			J1	CUI-PJ-002A V	CMP-2000-06895-1	1
SS degC, RoHS, Bulk P1 SMT 10 Pin Header 2.54mm P1 SMT 10 Pin Header Cotprint-1 CMP-001-0001-1 1 1 1 1 1 1 1 1 1				00.10002.1_1		
SMT 10-Pin Header P1						
P1	CMT 10 District	3		CNAT 10 Dire Headen		
Header 2			P1		CMP-001-0001-1	1
Hexfet 9.2A 100V TO-220 SOPCS/TUBE TRANS NPN 40V 0.2A SOT223 O2, Q3, Q5, Q9 FP-318H-01-MFG CMP-07170-000017-1 4		Hoodor 2 Din	מי		Hoodor 2	1
RIL520 220 50PCS/TUBE Q1	neauei z		F 2	HURTAZ	neauer z	1
PZT3904 TRANS NPN 40V 0.2A SOT223 Q2, Q3, Q5, Q9 FP-318H-01-MFG CMP-07170-000017-1 4 4 4 4 4 4 4 4 4	IRL520		Q1	IRL520-Footprint-1	CMP-013-00034-2	1
PCB17X4NIPOF SOT223 O2, Q3, Q5, Q9 FP-318H-01-MFG CMP-07170-000017-1 4 PCB17X4NIPOF OPTOISOLATOR 5KV TRANS 4SMD O4 FP-PCB17X4NIPOF CMP-65434-000001-1 1 BSS138 MOSFET N-CH 50V 20MA SOT-23 Q6, Q7, Q8 FP-318-08-IPC_B CMP-07173-000101-1 3 100K RES 0.22 OHM 1% 1W 2512 R2 FP-ERJ1TR-MFG CMP-2001-03735-1 1 10K RES 0.22 OHM 1% 1W 2512 R3, R4, R5, R6, R7, R9, R10, R11 RESC2013X50X30ML2 0T20 CMP-2001-03735-1 8 11K R8, R12, R13 RESC2013X50X30ML2 0T20 CMP-2001-03735-1 3 130 R14 RESC2013X50X30ML2 0T20 CMP-2001-03735-1 3 1330 R14 RESC2013X50X30ML2 0T20 CMP-2001-03735-1 1 11X Solder Pad S1, S2, S3, S4, S5, S6, Solder Pad-Footprint-Pad S7, S8 1 1 Teensy 4 Dual Female Breakout Female Breakou	PZT3904					
PC817X4NIPOF OPTOISOLATOR 5KV TRANS 4SMD			Q2, Q3, Q5, Q9	FP-318H-01-MFG	CMP-07170-000017-1	4
SSS138 MOSFET N-CH 50V 220MA SOT-23 Q6, Q7, Q8 FP-318-08-IPC_B CMP-07173-000101-1 3 3 3 3 3 3 3 3 3	PC817X4NIP0F		Q4		CMP-65434-000001-1	
Marcocontroller Bass 220MA SOT-23 Q6, Q7, Q8 FP-318-08-IPC_B CMP-07173-000101-1 3 3 3 3 3 3 3 3 3		TRANS 4SMD				1
100K R1	BSS138	MOSFET N-CH 50V	0/ 07 00	ED 210 00 IDC D	CMD 07172 000101 1	2
Note		220MA SOT-23	Q6, Q7, Q6	FP-310-00-IPC_B	CIVIP-07173-000101-1	3
0.470hm RES 0.22 OHM 1% 1W 2512 R2 FP-ERJ1TR-MFG CMP-05422-000060-1 1 10K R3, R4, R5, R6, R7, R9, R10, R11 OT20 CMP-2001-03735-1 8 11K R8, R12, R13 RESC2013X50X30ML2 OT20 CMP-2001-03735-1 3 330 R14 RESC2013X50X30ML2 OT20 CMP-2001-03735-1 1 1x Solder Pad RESC2013X50X30ML2 OT20 CMP-2001-03735-1 1 1x Solder Pad S1, S2, S3, S4, S5, S6, Solder Pad-Footprint Dad Pad S7, S8 Teensy 4 Dual Female Breakout Female SMT headers Single 2-Input Positive-OR Gate, DCK0005A, LARGE T&R IC REG LINEAR 5V 3A LI3 New footprint 1 CMP-0000-3 11 New footprint 1 CMP-001-000-3 11	100K		R1	RESC2013X50X30ML2	CMP-2001-03735-1	1
10K R3, R4, R5, R6, R7, R9, R5C2013X50X30ML2 CMP-2001-03735-1 R5C2013X50X30ML2 OT20 OT20 CMP-2001-03735-1 R5C2013X50X30ML2 OT20 OT20 CMP-2001-03735-1 R5C2013X50X30ML2 OT20			KI	0T20	GIVIF -2001-03/33-1	'
R3, R4, R5, R6, R7, R9, RESC2013X50X30ML2 CMP-2001-03735-1 8	0.47Ohm		R2	FP-FRI1TR-MFG	CMP-05422-000060-1	1
R10, R11	0.17011111	2512			000000	·
R10, R11	10K				CMP-2001-03735-1	8
R8, R12, R13			R10, R11			
RESC2013X50X30ML2	1K		R8, R12, R13		CMP-2001-03735-1	3
SN74LVC1G32DCKR SI SI SI SI SI SI SI S						
Teensy 4 Dual Female Breakout Single 2-Input Positive-OR Gate, DCK0005A, LARGE T&R IN Solder Pad S1, S2, S3, S4, S5, S6, Solder Pad-Footprint- CMP-00000-2 8 Teensy 4 Dual Female Breakout Female Breakout- Footprint-1 CMP-016-0001-2 1 Teensy 4 Dual Female Breakout- Female Breakout- Footprint-1 CMP-016-0001-2 1 Teensy 4 Dual Female Bre	330		R14		CMP-2001-03735-1	1
Normal Pad S7, S8 1 CMP-00000-2 8		3mmy/mm Solder	\$1 \$2 \$2 \$4 \$5 \$6			
Teensy 4 Dual Microcontroller layout for dual- female Breakout Single 2-Input Positive-OR Gate, DCK0005A, LARGE T&R IC REG LINEAR 5V 3A Teensy 4 Dual Female Breakout- Footprint-1 CMP-016-0001-2 1 CMP-016-0001-2 1 CMP-0859-00376-3 1 New footprint 1 CMP-081-0000-3	1x Solder Pad			1	CMP-00000-2	8
Teensy 4 Dual Female Breakout Microcontroller layout for dual- female SMT headers Single 2-Input Positive-OR Gate, DCK0005A, LARGE T&R IC REG LINEAR 5V 3A New footprint 1 CMP-016-0001-2 1 CMP-016-0001-2 1 CMP-016-0001-2 1 CMP-0859-00376-3 1			31,30	1		
Iayout for dual-female Breakout	Teensy 4 Dual	*		,		
Female SMT headers	Female Breakout		U1		CIMP-016-0001-2	1
SN74LVC1G32DCKR Single 2-Input Positive-OR Gate, DCK0005A, LARGE T&R IC REG LINEAR 5V 3A LI3 New footbrint 1 CMP-001-0000-3 1		-		Footprint-1		
SN74LVC1G32DCKR			113	DONOOCE VIII	CMD 0050 0027/ 2	
DCK0005A, LARGE T&R IC REG LINEAR 5V 3A LI3 New footprint 1 CMP-001-0000-3 1	CN 7 41 V O4 CCCC CVC					
T&R IC REG LINEAR 5V 3A II3 New footprint 1 CMP_001_0000_3 1	SN /4LVCTG32DCKR		U2	DCK0005A_N	CIMP-0859-00376-3	1
10/3/2/3/4 T						
TO220AB US INEW TOOLPHILL I CIVIP-001-0000-3	LM222AT	IC REG LINEAR 5V 3A	112	Now footprint 1	CMD 001 0000 3	1
	LIVI3Z3A I	TO220AB	US	ivew ioothilli i	GIVIP-001-0000-3	