HACKFUN SOLDER CHALLENGE 2024

Bill Of Materials

Value	Designator	Footprint	LCSC	X	NOTES
THRU HOLE PARTS					
USB-A BOB	j2	1X4 HEADER BOB	AMAZON		
1x04 Pin 2.54	J2	1x4 Pin Head	house		
555 dip-8	U1	DIP-8 IC	C398063		
10uF	C1	Ceramic P5	C454403		GREEN
10nf	C2	Ceramic p2.5	C2832505		TAN
1k	R1	1/8w R TH	C5249394		SHORT
330	R13, R3	1/8w R TH	C2848567		O/O/B/G
20k	R2	1/8w R TH	C119208		BLUE
LED	D1 (ABOVE,R13)	3.0mm led	C5172928		SHORT LEG TO SQUARE
LED	D4 (ABOVE,R13)	3.0mm led	C3028824		SHORT LEG TO SQUARE
SMT PARTS					
20k	R4	Resist 0805	C4328		
1k	R5	Resist 0805	amazon		
330	R6, R12	Resist 0805	C17630		
20k	R11 *r11 CAN BE OMITTED/BRIDGED*	Resist 0402	C25765		
10uf	C3	1206 cap	C13585		
10nf	C4	0805 cap	C83170		
LED	D2	0805 led	C20608785		
LED	D3	1206 led	C49018		
555 soic	U2	SOIC-8	C7593		
USB_B_Micro	REAR-LABEL	Micro-USB	amazon		
OPTIONAL PARTS (FOR fun)					
10k	R7	Resist 1206	C17902		
10k	R8	Resist 0805	C17414		
10k	R9	Resist 0603	C25804		

HACKFUN SOLDER CHALLENGE 2024

Bill Of Materials

20k	R10	Resist 0402	C25765	

E

E