



Title		
Size	Number	Revision
A3		
Date:	10/30/2025	Sheet of
File:	C:\Users\...\clock.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
DM7411N		3AG		3AND gate	1
7-seg disp		7SD1, 7SD2, 7SG3, 7SG4, 7SG5		7-seg disp	5
AND gate		AG1		AND gate	1
BCD decoder		BCD1, BCD2, BCD3, BCD4, BCD5		BCD decoder	5
Cap	Capacitor	C1, C2	RAD-0.3	Cap	2
Decade counter (SN76LS90N)		DC1, DC2, DC3, DC4, DC5	SN74LS90N	Decade counter (SN76LS90N)	5
NOT gate		NG1, NG2		NOT gate	2
OR Gate		OG1		OR Gate	1
Res1	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39	AXIAL-0.3	Res1	39
pause	Single-Pole, Single- Throw Switch	S1	SPST-2	SW-SPST	1
reset		S2	Switch	Switch	1
555-timer		T1		555-timer	1
DC 15	Voltage Source	V1		VSRC	1