

## Lista de componentes del proyecto Semáforo

### Conectores

ID	Valor	Referencia	Encapsulado	Descripción
C+5V	MSTBV2	MSTBV2	MSTBV2	PHOENIX
CC1	S04P	S04P	AMP MT	CONNECTOR
CC2	S04P	S04P	AMP MT	CONNECTOR
CP1	S03P-MKS1653	S03P	AMP MT	CONNECTOR
CP2	S03P-MKS1653	S03P	AMP MT	CONNECTOR

### Resistencias

ID	Valor	Referencia	Encapsulado	Descripción
R1	20K	TRIM_EU	PT-10	Potenciometro
R2	1K	RESEU-10	R-10	Resistencia 1/4W
R3	1K	RESEU-10	R-10	Resistencia 1/4W
R4	10K	RESEU-10	R-10	Resistencia 1/4W
R5	220R	RESEU-10	R-10	Resistencia 1/4W
R6	10K	RESEU-10	R-10	Resistencia 1/4W
R7	220R	RESEU-10	R-10	Resistencia 1/4W
R10	220R	RESEU-10	R-10	Resistencia 1/4W
R11	220R	RESEU-10	R-10	Resistencia 1/4W
R12	220R	RESEU-10	R-10	Resistencia 1/4W
R13	220R	RESEU-10	R-10	Resistencia 1/4W
R14	220R	RESEU-10	R-10	Resistencia 1/4W
R15	220R	RESEU-10	R-10	Resistencia 1/4W
R20	10K	RESEU-10	R-10	Resistencia 1/4W
R21	10K	RESEU-10	R-10	Resistencia 1/4W
R22	10K	RESEU-10	R-10	Resistencia 1/4W
R23	10K	RESEU-10	R-10	Resistencia 1/4W
R24	10K	RESEU-10	R-10	Resistencia 1/4W
R25	10K	RESEU-10	R-10	Resistencia 1/4W
R26	10K	RESEU-10	R-10	Resistencia 1/4W
R27	10K	RESEU-10	R-10	Resistencia 1/4W
R30	180R	RESEU-10	R-10	Resistencia 1/4W
R31	180R	RESEU-10	R-10	Resistencia 1/4W
R32	150R	RESEU-10	R-10	Resistencia 1/4W
R33	180R	RESEU-10	R-10	Resistencia 1/4W
R34	180R	RESEU-10	R-10	Resistencia 1/4W
R35	150R	RESEU-10	R-10	Resistencia 1/4W
R36	180R	RESEU-10	R-10	Resistencia 1/4W
R37	150R	RESEU-10	R-10	Resistencia 1/4W
R38	180R	RESEU-10	R-10	Resistencia 1/4W
R39	150R	RESEU-10	R-10	Resistencia 1/4W
RN1	1K	G08R	SIL9	Resistencias SIL

### Condensadores

ID	Valor	Referencia	Encapsulado	Descripción
C1	10nF	CAPNP-5	C-5	Ceramico
C2	10nF	CAPNP-5	C-5	Ceramico
C3	220nF	CAPNP-5	C-5	Ceramico
C4	10nF	CAPNP-5	C-5	Ceramico
C7	100nF	CAPNP-5	C-5	Ceramico
C8	16uF 10V	TT5D6	TT5D6	Tantalio

## Semiconductores

ID	Valor	Referencia	Encapsulado	Descripción
D1	1N4148	DIODE-7,5	D-7,5	Diodo silicio
IC1	LMC555	555N	DIL08	C.I. Timer
IC2	4020N	4020N	DIL16	C.I. Contador 14 etapas
IC3	AT28C64B	AT28C64B	DIL28	C.I. EEPROM 8KB x 8 bit
LED1	LED5MM	LED5MM	LED	Led Rojo
LED2	LED5MM	LED5MM	LED	Led Amarillo
LED3	LED5MM	LED5MM	LED	Led Verde
LED4	LED5MM	LED5MM	LED	Led Rojo
LED5	LED5MM	LED5MM	LED	Led Amarillo
LED6	LED5MM	LED5MM	LED	Led Verde
LED7	LED5MM	LED5MM	LED	Led Rojo
LED8	LED5MM	LED5MM	LED	Led Verde
LED9	LED5MM	LED5MM	LED	Led Rojo
LED10	LED5MM	LED5MM	LED	Led Verde
LED11	LED5MM	LED5MM	LED	Led Rojo
LED12	LED5MM	LED5MM	LED	Led Rojo
LED13	LED5MM	LED5MM	LED	Led Rojo
LED14	LED5MM	LED5MM	LED	Led Rojo
LED15	LED5MM	LED5MM	LED	Led Rojo
LED16	LED5MM	LED5MM	LED	Led Rojo
LED17	LED5MM	LED5MM	LED	Led Rojo
LED18	LED5MM	LED5MM	LED	Led Rojo
T1	BC547B	BC547B	TO92-EBC	Transistor NPN
T2	BC547B	BC547B	TO92-EBC	Transistor NPN
T3	BC547B	BC547B	TO92-EBC	Transistor NPN
T4	BC547B	BC547B	TO92-EBC	Transistor NPN
T5	BC547B	BC547B	TO92-EBC	Transistor NPN
T6	BC547B	BC547B	TO92-EBC	Transistor NPN
T7	BC547B	BC547B	TO92-EBC	Transistor NPN
T8	BC547B	BC547B	TO92-EBC	Transistor NPN
T9	BC547B	BC547B	TO92-EBC	Transistor NPN

## Interruptores

ID	Valor	Referencia	Encapsulado	Descripción
S1	DIP08YL	DIP08YL	DIL16	Interruptores DIL CI
S2	255SB	255SB	SIL 3x5,08	Interruptor deslizante CI
S3	10-XX	B3F-10XX	OMRON	Pulsador para CI