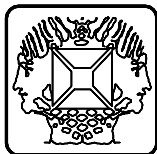


velleman-kit

HIGH-Q



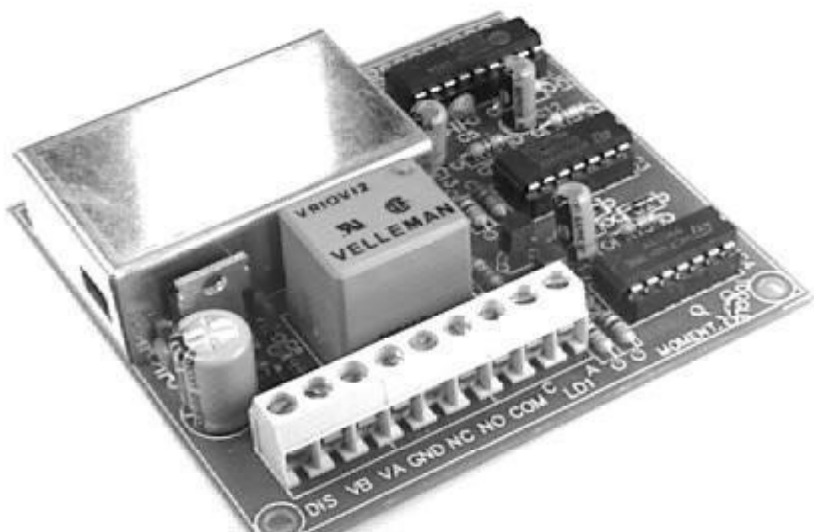
K6709

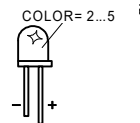
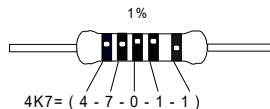
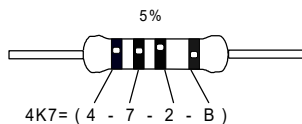
INFRARED CODELOCK RECEIVER

FOR K6706

- Operates in conjunction with the K6708 IR-transmitter
- 8.748 possible codes
- Range of the transmitter/receiver: +/-7m
- LED on/off indication
- LED receiving indicator
- Relay output: 10A toggle or momentary contact
- Separate output to switch car alarm on or off
- Power supply: 2 x 9VAC or 12 to 16VDC / 100mA max.
- Dimensions (WxLxH): 76 x 84 x 30mm
- Dimensions Pre-Amplifier(WxLxH): 32 x 50 x 22mm

modifications reserved



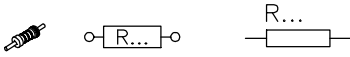


	I	P	E	SF	S	DK	N	D	GB	F	NL	
C O D E	CODICE COLORE	CODIGO DE CORES	CODIGO DE COLORES	VÄRI KOODI	FÄRG SCHEMA	FARVE- KODE	FARGE- KODE	FARB KODE	COLOUR CODE	CODIFI- CATION DES COU- LEURS	KLEUR KODE	C O D E
0	Nero	Preto	Negro	Musta	Svart	Sort	Sort	Schwarz	Black	Noir	Zwart	0
1	Marrone	Castanho	Marrón	Ruskea	Brun	Brun	Brun	Braun	Brown	Brun	Bruin	1
2	Rosso	Encarnado	Rojo	Punainen	Röd	Rød	Rød	Rot	Red	Rouge	Rood	2
3	Aranciato	Laranja	Naranjado	Oranssi	Orange	Orange	Orange	Orange	Orange	Orange	Oranje	3
4	Giallo	Amarelo	Amarillo	Keltainen	Gul	Gul	Gul	Gelb	Yellow	Jaune	Geel	4
5	Verde	Verde	Verde	Vihreä	Grön	Grøn	Grønn	Grün	Green	Vert	Groen	5
6	Blu	Azul	Azul	Sininen	Blå	Blå	Blå	Blau	Blue	Bleu	Blauw	6
7	Viola	Violeta	Morado	Purppura	Lila	Violet	Violet	Violet	Purple	Violet	Paars	7
8	Grigio	Cinzeno	Gris	Harmaa	Grå	Grå	Grå	Grau	Grey	Gris	Grijs	8
9	Bianco	Branco	Blanco	Valkoinen	Vit	Hvid	Hvidt	Weiss	White	Blanc	Wit	9
A	Argento	Prateado	Plata	Hopea	Silver	Sølv	Sølv	Silber	Silver	Argent	Zilver	A
B	Oro	Dourado	Oro	Kulta	Guld	Guld	Guldl	Gold	Gold	Or	Goud	B

A P6709R

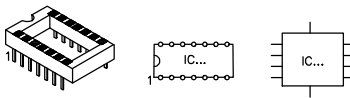
1

1/4W



R1, R2: 47 (4-7-0-B)
R3, R4: 10K (1-0-3-B)
R5: 100K (1-0-4-B)
R6, R7: 1M (1-0-5-B)
R8: 33K (3-3-3-B)
R9: 1K (1-0-2-B)

2



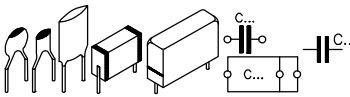
IC1: 14P

3



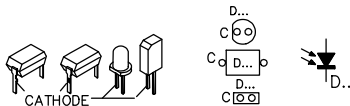
+V, OUT, 

4



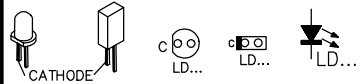
C1: 4n7 (472)

5

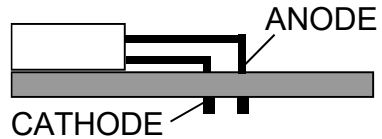


D1: BPW41 (!)

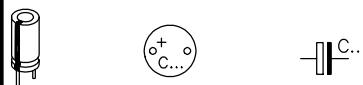
6



LD1:  (!)

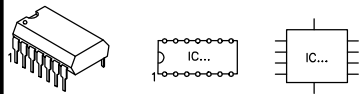


7

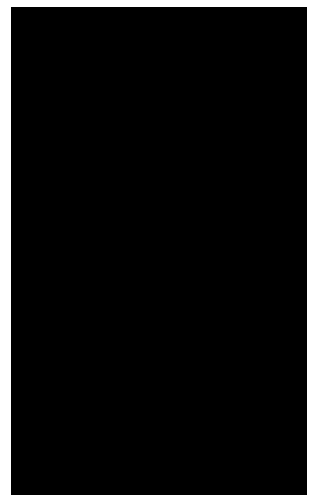


C2: 1 μ F (!)
C3, C4: 22 μ F (!)

8

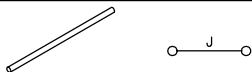


IC1: LM124, 224 or 324 (!)



P6709

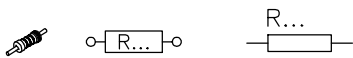
1



J

2

1/4W



R10: 470K (4-7-4-B)

R11, R12: 47K (4-7-3-B)

R13: 470 (4-7-1-B)

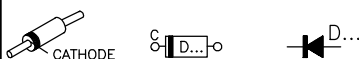
R14...R17: 10K (1-0-3-B)

R18: 220K (2-2-4-B)

R19: 680 (6-8-1-B)

R20, R21: 100K (1-0-4-B)

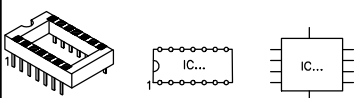
3



D2... D6: 1N4148 !

D7, D8: 1N4000 ... 4007 !

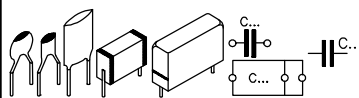
4



IC2: 18P

IC3, IC4: 14P

5



C5: 100pF (101)

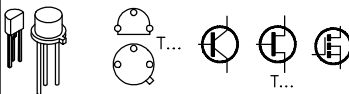
C6, C7: 100nF (104, $\mu 1$)

6



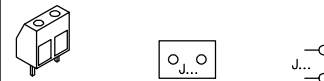
+V, OUT, 

7



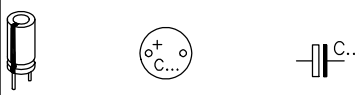
T1, T2: BC547

8



J1... J3: 3P !

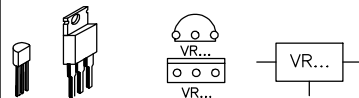
9



C8... C11: 1 μ F !

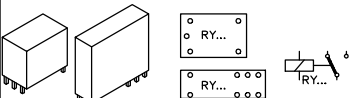
C12: 470 μ F !

10



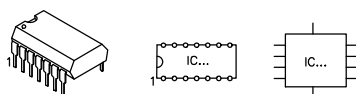
VR1: 7809 (!)

11



RY1: VR15M12IC

12



IC2: UM3758-120A

IC3: CD4013

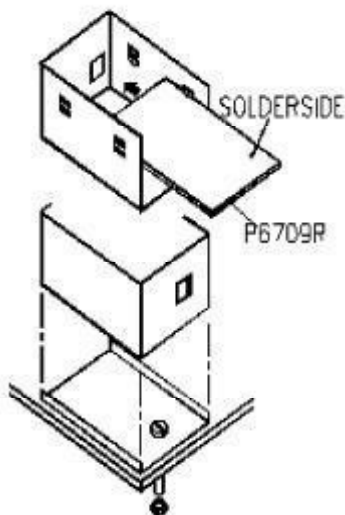
IC4: CD40106

13

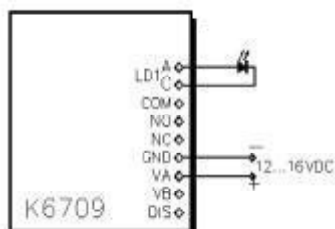
CODE !



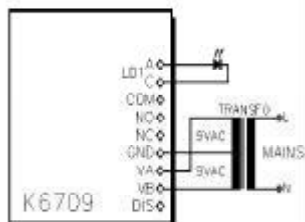
14

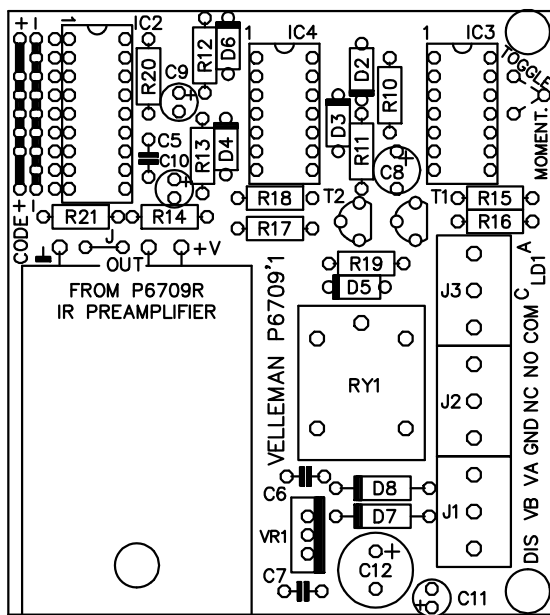
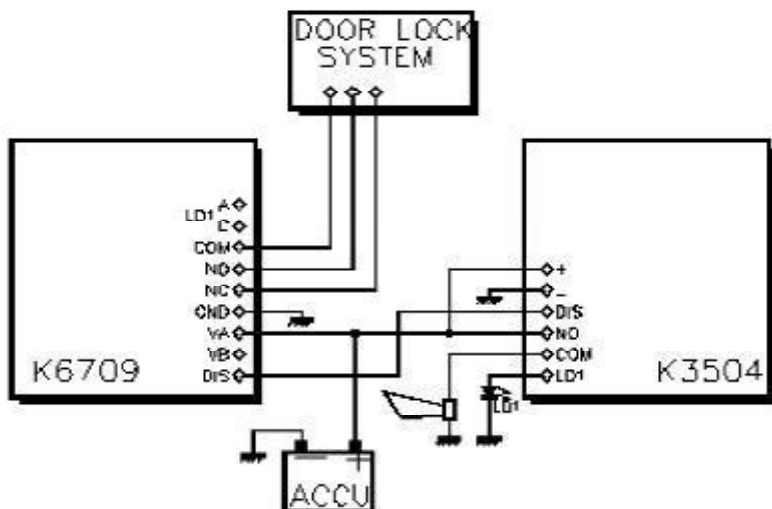


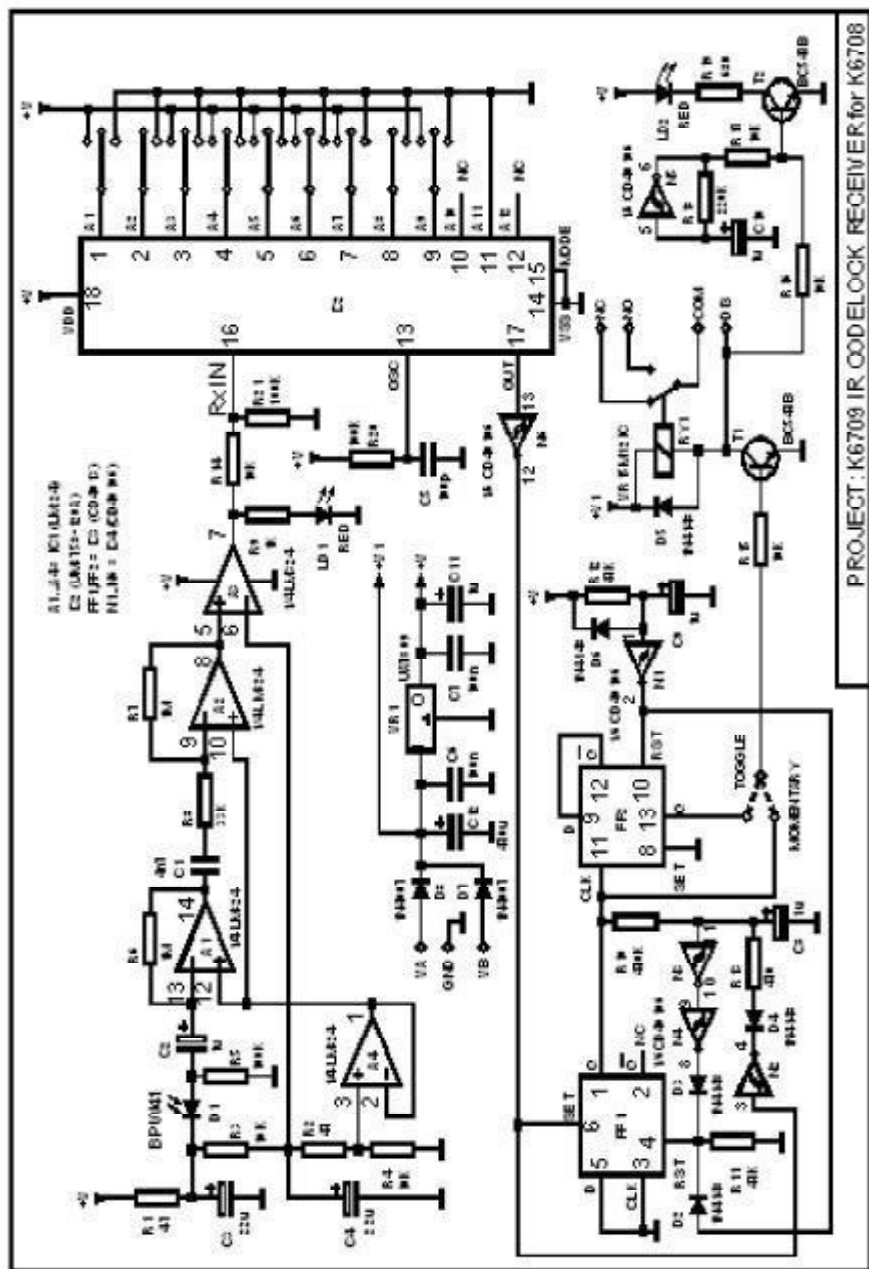
15



16







PROJECT: K6709 IR CODELOCK RECEIVER for K6708