

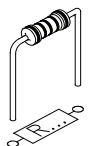
Component side - Componentenzijde - Côte composants - Bauteileseite - Lado de los componentes

PMK191

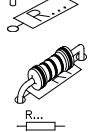
START

1

Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◇ R1...R4: 2K2



◇ R5, R9: 680 ohm



◇ R6...R8: 1K



◇ R10: 150 ohm

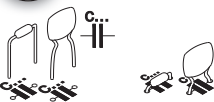
(Red, Red, Red) - (Rood, Rood, Rood) - (Rouge, Rouge, Rouge) - (Rot, Rot, Rot) - (Röd, Röd, Röd) - (Punainen, Punainen, Punainen) - (Rojo, Rojo, Rojo) - (Encarnado, Encarnado, Encarnado) - (Rosso, Rosso, Rosso)

(Blue, Grey, Brown) - (Blauw, Grijs, Bruin) - (Bleu, Gris, Brun) - (Blau, Grau, Braun) - (Blå, Grå, Brun) - (Sininen, Hamaa, Ruskea) - (Azul, Gris, Marrón) - (Azul, Cinzento, Castanho) - (Blu, Grigio, Marrone)

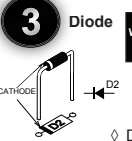
(Brown, Black, Red) - (Bruin, Zwart, Rood) - (Brun, Noir, Rouge) - (Braun, Schwarz, Rot) - (Brun, Svart, Röd) - (Ruskea, Musta, Punainen) - (Marrón, Negro, Rojo) - (Castanho, Preto, Encarnado) - (Marrone, Nero, Rosso)

(Brown, Green, Brown) - (Bruin, Groen, Bruin) - (Brun, Vert, Brun) - (Braun, Grün, Braun) - (Brun, Grün, Brun) - (Ruskea, Vihreä, Ruskea) - (Marrón, Verde, Marrón) - (Castanho, Verde, Castanho) - (Marrone, Verde, Marrone)

2 Ceramic capacitors



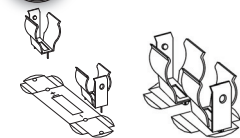
◇ C5: 100nF (104)



Watch the polarity!
Att. la polarité!

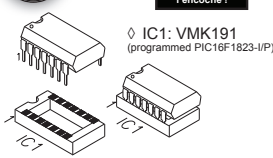
◇ D1: 1N4007

13 Battery holder



◇ E1, E2

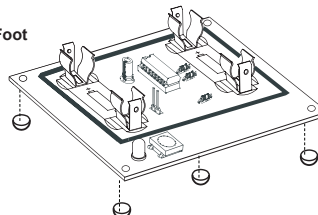
14 IC



Watch the notch!
Attention à l'encoche!

◇ IC1: VMK191
(programmed PIC16F1823-I/P)

15 Foot

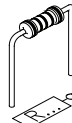


PMK191-B

START

1

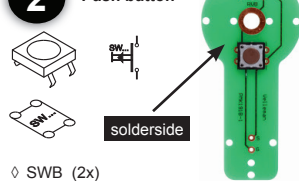
Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◇ RB: 470 ohm (2x)

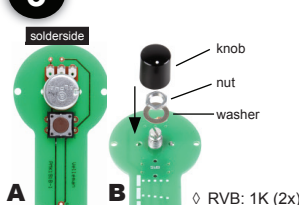
(Yellow, Purple, Brown) - (Geel, Paars, Bruin) - (Jaune, Violet, Brun) - (Gelb, Violet, Braun) - (Gel, Lila, Brun) - (Keltainen, Purppura, Ruskea) - (Amarillo, Morado, Marrón) - (Amarelo, Violeta, Castanho) - (Giallo, Viola, Marrone) - (Gel, Violet, Brun)

2 Push button



◇ SWB (2x)

3 Potentiometer + knob

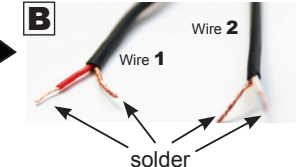


◇ RVB: 1K (2x)

4 Wire

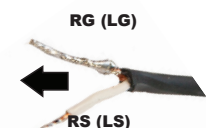
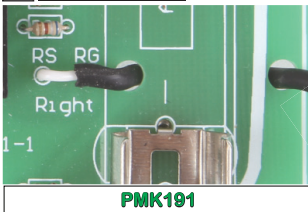


Separate into 2 wires - Scheid de 2 draden - Séparez les 2 fils - Trennen Sie die 2 Drähte - Separe los 2 hilos



solder

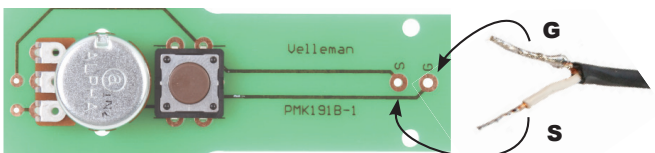
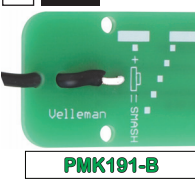
C X2 (L&R)



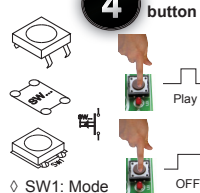
RG (LG)

RS (LS)

D X2

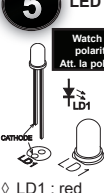


4 Push button



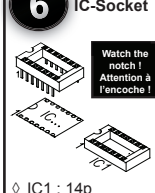
◇ SW1: Mode

5 LED



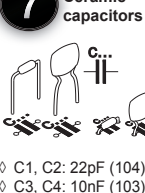
◇ LD1: red

6 IC-Socket



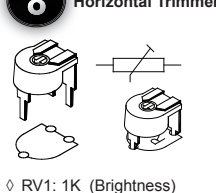
◇ IC1: 14p

7 Ceramic capacitors



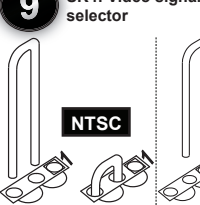
◇ C1, C2: 22pF (104)
◇ C3, C4: 10nF (103)

8 Horizontal Trimmer

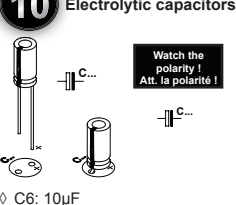


◇ RV1: 1K (Brightness)

9 SK4: Video signal selector

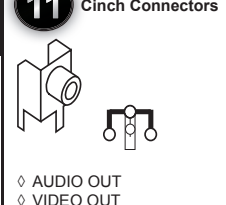


10 Electrolytic capacitors



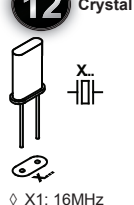
◇ C6: 10µF

11 Cinch Connectors

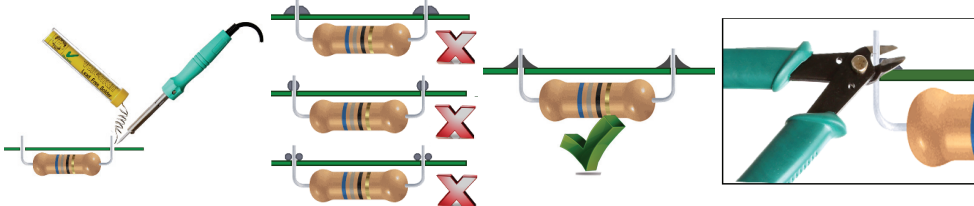


◇ AUDIO OUT
◇ VIDEO OUT

12 Crystal



◇ X1: 16MHz



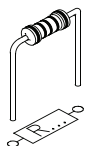
Component side - Componentenzijde - Côte composants - Bauteileseite - Lado de los componentes

PMK191

START

1

Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◇ R1...R4: 2K2



◇ R5, R9: 680 ohm

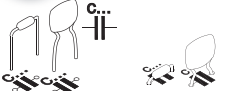


◇ R6...R8: 1K

◇ R10: 150 ohm

(Red, Red, Red) - (Rood, Rood, Rood) - (Rouge, Rouge, Rouge)
 - (Rot, Rot, Rot) - (Röd, Röd, Röd) - (Punainen, Punainen, Punainen)
 - (Rojo, Rojo, Rojo) - (Encarnado, Encarnado, Encarnado)
 - (Rosso, Rosso, Rosso)
 (Blue, Grey, Brown) - (Blauw, Grijs, Bruin) - (Bleu, Gris, Brun)
 - (Blau, Grau, Braun) - (Blå, Grå, Brun) - (Sininen, Harmaa, Ruskea)
 - (Azul, Gris, Marrón) - (Azul, Cinzento, Castanho) - (Blu, Grigio, Marrone)
 (Brown, Black, Red) - (Bruin, Zwart, Rood) - (Brun, Noir, Rouge)
 - (Braun, Schwarz, Rot) - (Brun, Svart, Röd) - (Ruskea, Musta, Punainen)
 - (Marrón, Negro, Rojo) - (Castanho, Preto, Encarnado) - (Marrone, Nero, Rosso)
 (Brown, Green, Brown) - (Bruin, Groen, Bruin) - (Brun, Vert, Brun)
 - (Braun, Grün, Braun) - (Brun, Grün, Brun) - (Ruskea, Vihreä, Ruskea)
 - (Marrón, Verde, Marrón) - (Castanho, Verde, Castanho)
 - (Marrone, Verde, Marrone)

2 Ceramic capacitors



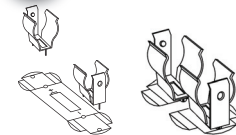
◇ C5: 100nF (104)

3 Diode



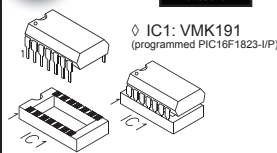
◇ D1: 1N4007

13 Battery holder



◇ E1, E2

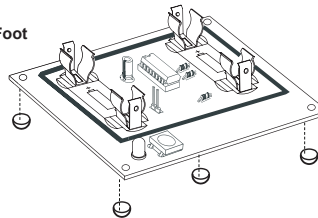
14 IC



Watch the notch!
 Attention à l'encoche!

◇ IC1: VMK191
 (programmed PIC16F1823-I/P)

15 Foot

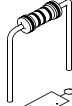


PMK191-B

START

1

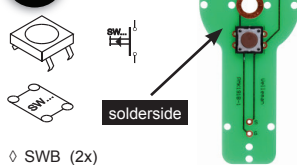
Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◇ RB: 470 ohm (2x)

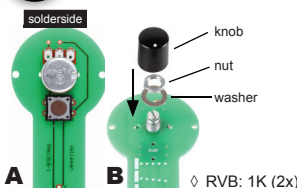
(Yellow, Purple, Brown) - (Geel, Paars, Bruin) - (Jaune, Violet, Brun)
 - (Gelb, Violet, Braun) - (Gel, Lila, Brun)
 - (Keltainen, Purppura, Ruskea) - (Amarillo, Morado, Marrón)
 - (Amarelo, Violeta, Castanho) - (Giallo, Viola, Marrone) - (Gel, Violet, Brun)

2 Push button



◇ SWB (2x)

3 Potentiometer + knob

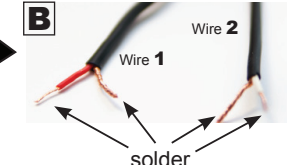


◇ RVB: 1K (2x)

4 Wire

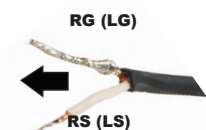
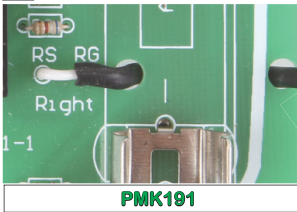


Separate into 2 wires - Scheid de 2 draden - Séparez les 2 fils - Trennen Sie die 2 Drähte - Separe los 2 hilos



solder

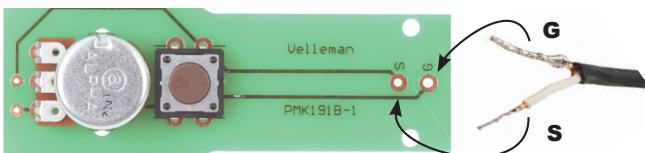
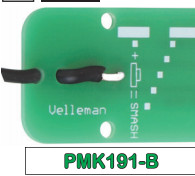
C X2 (L&R)



RG (LG)

RS (LS)

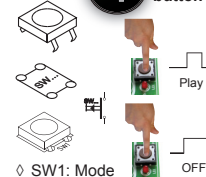
D X2



G

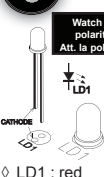
S

4 Push button



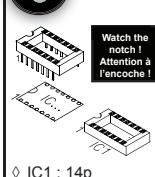
◇ SW1: Mode

5 LED



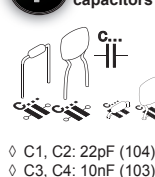
◇ LD1: red

6 IC-Socket



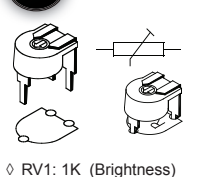
◇ IC1: 14p

7 Ceramic capacitors



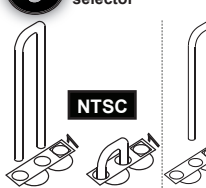
◇ C1, C2: 22pF (104)
 ◇ C3, C4: 10nF (103)

8 Horizontal Trimmer

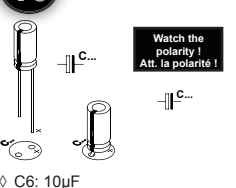


◇ RV1: 1K (Brightness)

9 SK4: Video signal selector



10 Electrolytic capacitors



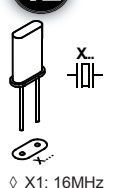
◇ C6: 10µF

11 Cinch Connectors



◇ AUDIO OUT
 ◇ VIDEO OUT

12 Crystal



◇ X1: 16MHz