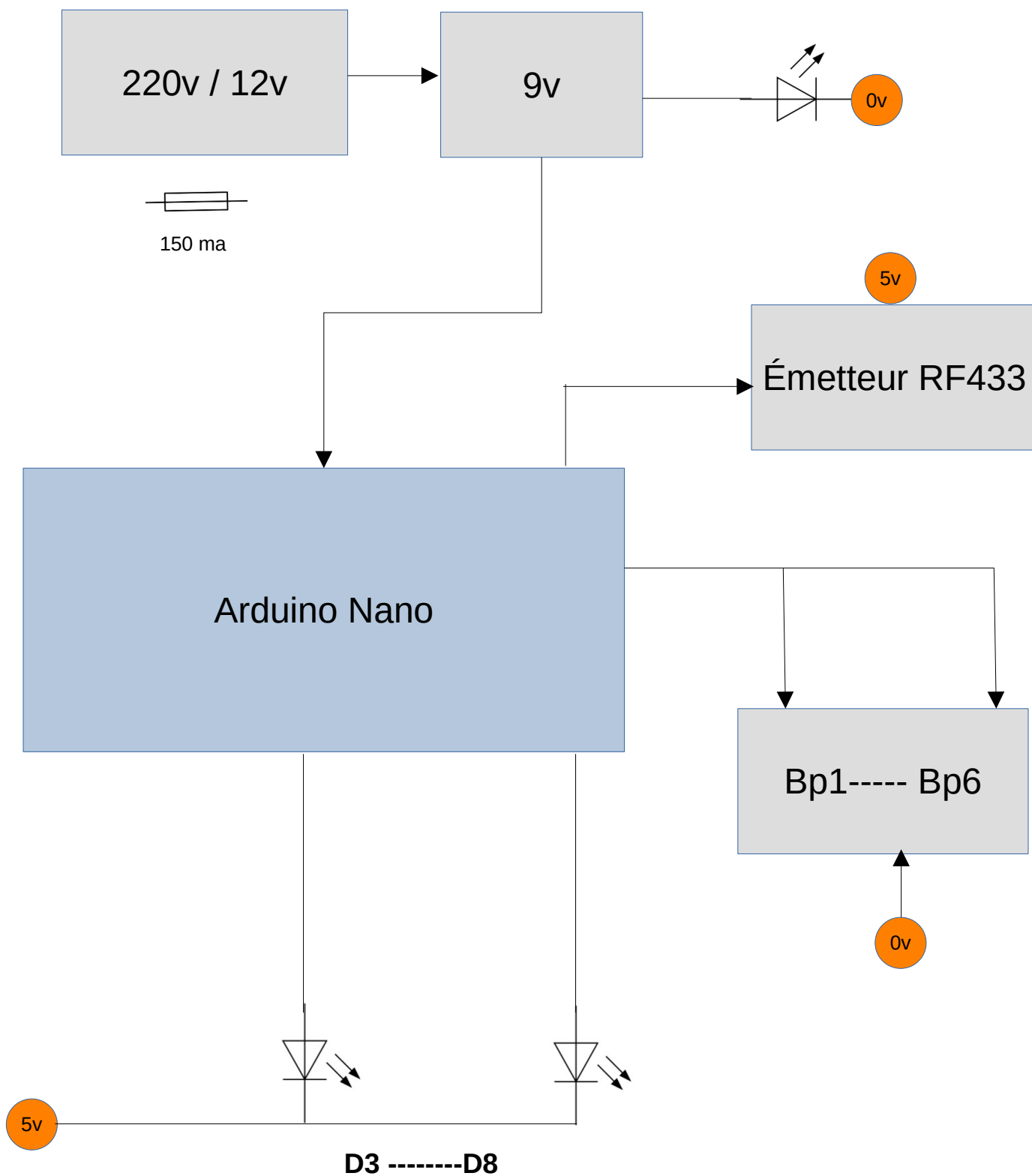


PROJET

Remplacer la télécommande Chacon Ref :54650RX_RSL3660R-F par un Arduino

Arduino - Chacon_54650Rx_RSL3660R-F Synopsis



Matériel utilisé :

Télécommande Chacon : 54650TX_RSL366T

Prise Chacon : 54650RX-RSL3660R-F

Source : [ReceiveDemo_Simple](#)
[ReceiveDemo_Advanced](#)

Librairies : [rc-switch](#)
[simpleBouton 1.4.2](#)

Arduino - Chacon_54650Rx_ RSL3660R-F



Arduino - Chacon_54650Rx_ RSL3660R-F

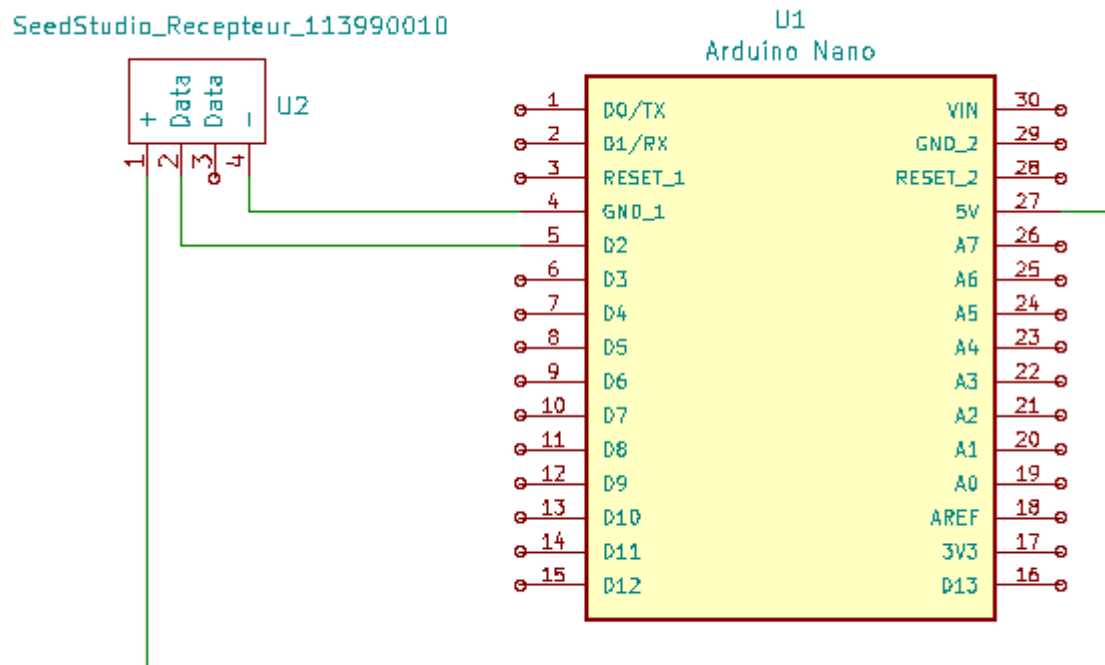


Partie 1

Récupération signaux Télécommande

Arduino - Chacon_54650Rx_RSL3660R-F

Schéma décodage Télécommande



Programmes utilisés :

ReceiveDemo_Simple

ReceiveDemo_Advanced

DIGITAL PINS USABLE FOR INTERRUPTS : D2, D3

BP1 ON

Received 1381717 / 24bit Protocol: 1

BP1 OFF

Received 1381716 / 24bit Protocol: 1

BP2 ON

Received 1394005 / 24bit Protocol: 1

BP2 OFF

Received 1394004 / 24bit Protocol: 1

BP3 ON

Received 1397077 / 24bit Protocol: 1

BP3 OFF

Received 1397076 / 24bit Protocol: 1

BP4 ON

Received 1397845 / 24bit Protocol: 1

BP4 OFF

Received 1397844 / 24bit Protocol: 1

Arduino - Chacon_54650Rx_ RSL3660R-F

ReceiveDemo_Advanced BP1, BP2, BP3, BP4 **groupe 1**

BP1 ON

Decimal: 1381717 (24Bit) Binary: 0001010100010101010101
Tri-State: 0FFF 0FFF FFFF PulseLength: 414 microseconds Protocol: 1

BP1 OFF

Decimal: 1381716 (24Bit) Binary: 000101010001010101010100
Tri-State: 0FFF 0FFF FFF0 PulseLength: 412 microseconds Protocol: 1

BP2 ON

Decimal: 1394005 (24Bit) Binary: 000101010100010101010101
Tri-State: 0FFF F0FF FFFF PulseLength: 412 microseconds Protocol: 1

BP2 OFF

Decimal: 1394004 (24Bit) Binary: 000101010100010101010100
Tri-State: 0FFF F0FF FFF0 PulseLength: 412 microseconds Protocol: 1

BP3 ON

Decimal: 1397077 (24Bit) Binary: 000101010101000101010101
Tri-State: 0FFF FF0F FFFF PulseLength: 412 microseconds Protocol: 1

BP3 OFF

Decimal: 1397076 (24Bit) Binary: 000101010101000101010100
Tri-State: 0FFF FF0F FFF0 PulseLength: 412 microseconds Protocol: 1

BP4 ON

Decimal: 1397845 (24Bit) Binary: 000101010101010001010101
Tri-State: 0FFF FFF0 FFFF PulseLength: 412 microseconds Protocol: 1

BP4 OFF

Decimal: 1397844 (24Bit) Binary: 000101010101010001010100
Tri-State: 0FFF FFF0 FFF0 PulseLength: 412 microseconds Protocol: 1

BP1 ON

Received 4527445 / 24bit Protocol: 1

BP1 OFF

Received 4527444 / 24bit Protocol: 1

BP2 ON

Received 4539733 / 24bit Protocol: 1

BP2 OFF

Received 4539732 / 24bit Protocol: 1

BP3 ON

Received 4542805 / 24bit Protocol: 1

BP3 OFF

Received 4542804 / 24bit Protocol: 1

BP4 ON

Received 4543573 / 24bit Protocol: 1

BP4 OFF

Received 4543572 / 24bit Protocol: 1

Arduino - Chacon_54650Rx_ RSL3660R-F

ReceiveDemo_Advanced BP1, BP2, BP3, BP4 **Groupe 2**

BP1 ON

Decimal: 4527445 (24Bit) Binary: 010001010001010101010101
Tri-State: F0FF 0FFF FFFF PulseLength: 412 microseconds Protocol: 1

BP1 OFF

Decimal: 4527444 (24Bit) Binary: 010001010001010101010100
Tri-State: F0FF 0FFF FFF0 PulseLength: 412 microseconds Protocol: 1

BP2 ON

Decimal: 4539733 (24Bit) Binary: 010001010100010101010101
Tri-State: F0FF F0FF FFFF PulseLength: 412 microseconds Protocol:

BP2 OFF

Decimal: 4539732 (24Bit) Binary: 010001010100010101010100
Tri-State: F0FF F0FF FFF0 PulseLength: 412 microseconds Protocol: 1

BP3 ON

Decimal: 4542805 (24Bit) Binary: 010001010101000101010101
Tri-State: F0FF FF0F FFFF PulseLength: 412 microseconds Protocol: 1

BP3 OFF

Decimal: 4542804 (24Bit) Binary: 010001010101000101010100
Tri-State: F0FF FF0F FFF0 PulseLength: 412 microseconds Protocol: 1

BP4 ON

Decimal: 4543573 (24Bit) Binary: 010001010101010001010101
Tri-State: F0FF FFF0 FFFF PulseLength: 412 microseconds Protocol: 1

BP4 OFF

Decimal: 4543572 (24Bit) Binary: 010001010101010001010100
Tri-State: F0FF FFF0 FFF0 PulseLength: 411 microseconds Protocol: 1

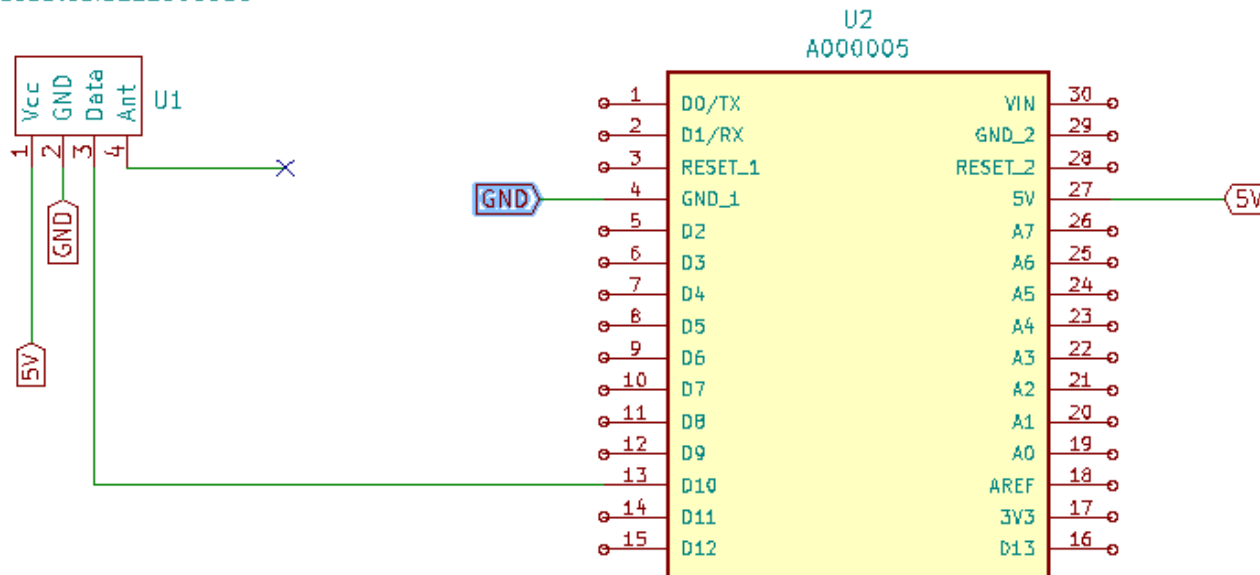
Partie 2

Commande avec Arduino V1

Arduino - Chacon_54650Rx_ RSL3660R-F

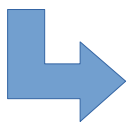
Schéma commande prises V1

SeedStudio113990010



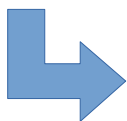
Dans le dossier :

Projet_Cde_Prise_Chacón_54650Rx



Schema_Cde_Prise_Chacón_54650Rx_V1.pdf

Programme:



CdePriseChacon54650RX_RSL660RF__V1

Dans le dossier :

Schema_Cde_Prise_Chacon_54650Rx_V2



Schema_Commande_Chacon_54650TX_V2.pdf

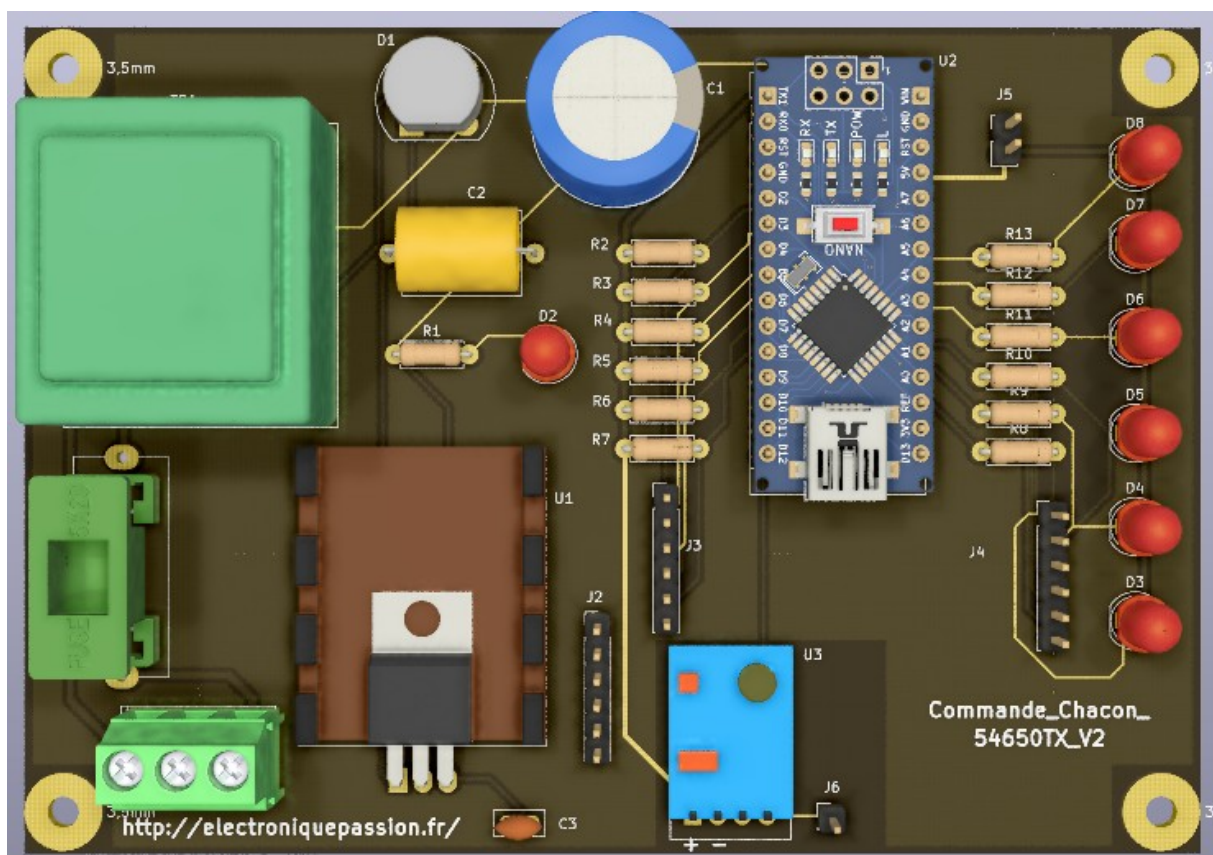
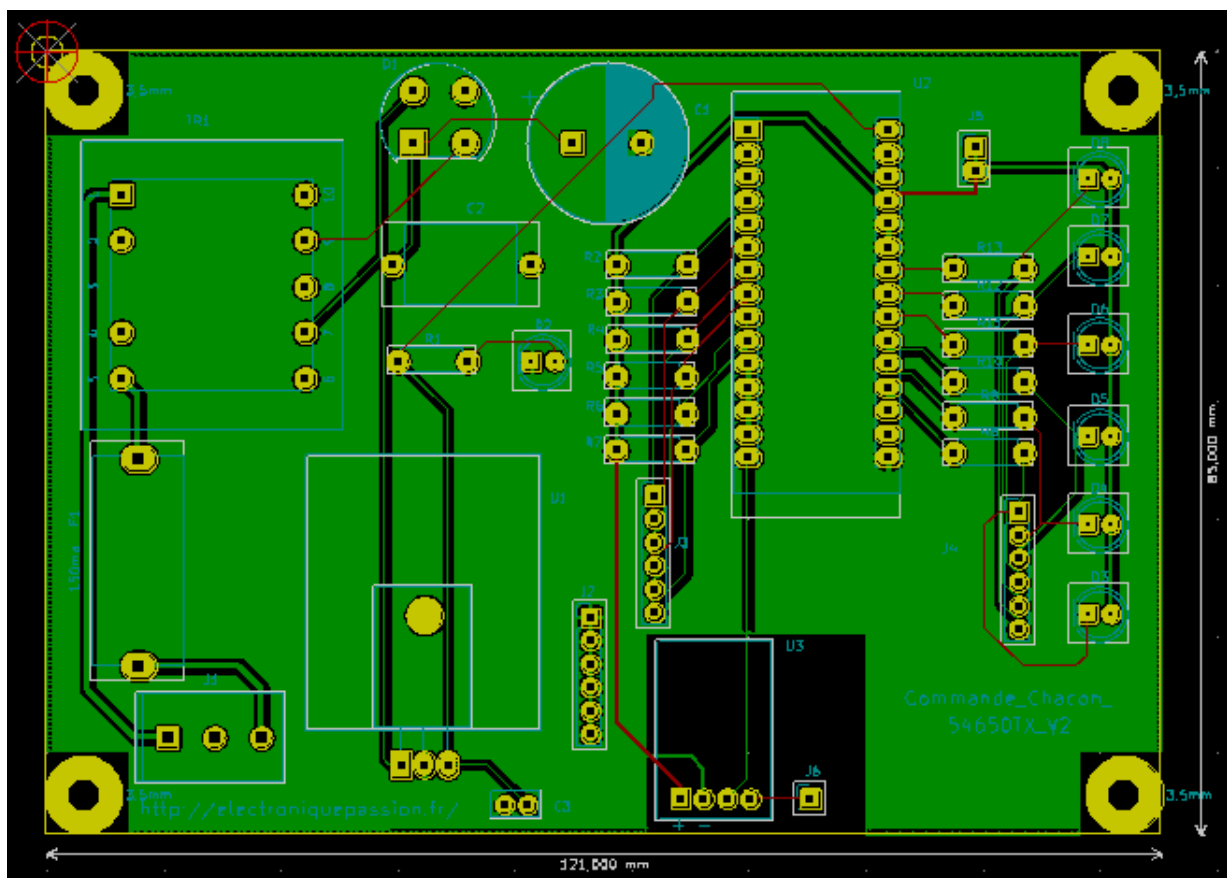
Programme:



CdePriseChacon54650RX_RSL660RF__V2

Arduino - Chacon_54650Rx_ RSL3660R-F

PCB programme final commandes prises Chacon



Dossiers:

Projet_Cde_Prise_Chacón_54650Rx



Schema_Cde_Prise_Chacón_54650Rx_V2



PCB_Gerber_Commande_Chacón_54650TX_V2



PCB_PDF_Commande_Chacón_54650TX_V2



Liste_Materiel_Commande_Chacón_54650TX

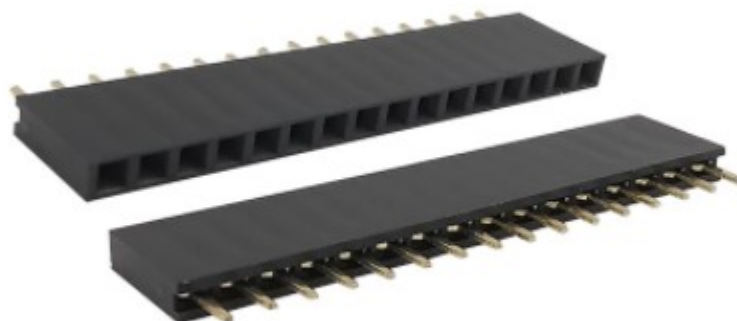
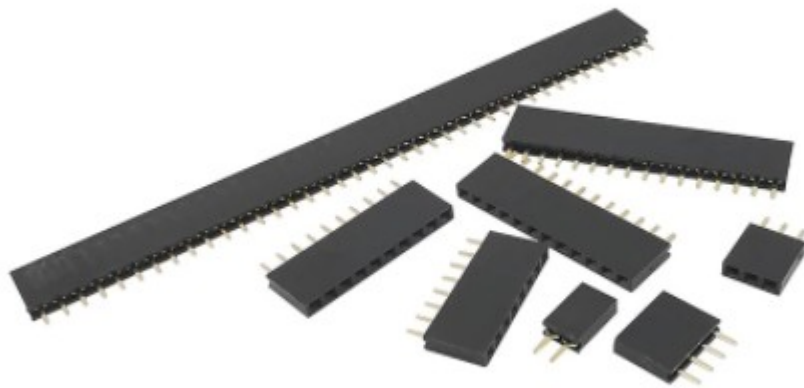
Chez JICPCB nécessite l'envoi du dossier:

PCB_Gerber_Commande_Chacón_54650TX_V2.rar

Poser Arduino Nano sur deux supports 15br avant soudure

Ne pas oublier de pose de la pâte thermique au niveau du régulateur.

<https://fr.aliexpress.com/item/4000852908837.html?spm=a2g0s.9042311.0.0.41a46c372WkNYm>



COMPLEMENT

**Tests effectués
avec des prises
SmartHome**

Arduino - Chacon_54650Rx_ RSL3660R-F

Complement

