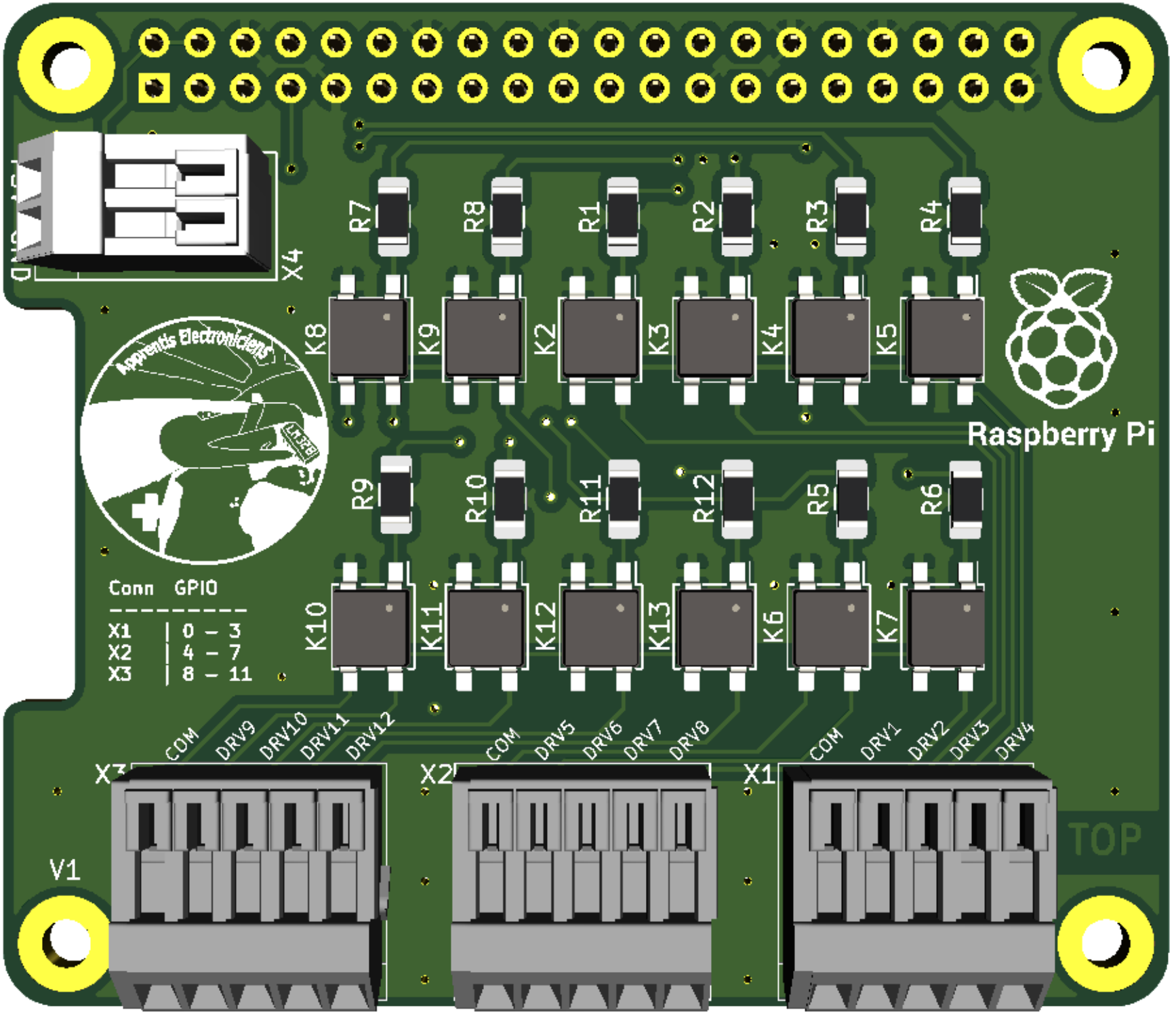
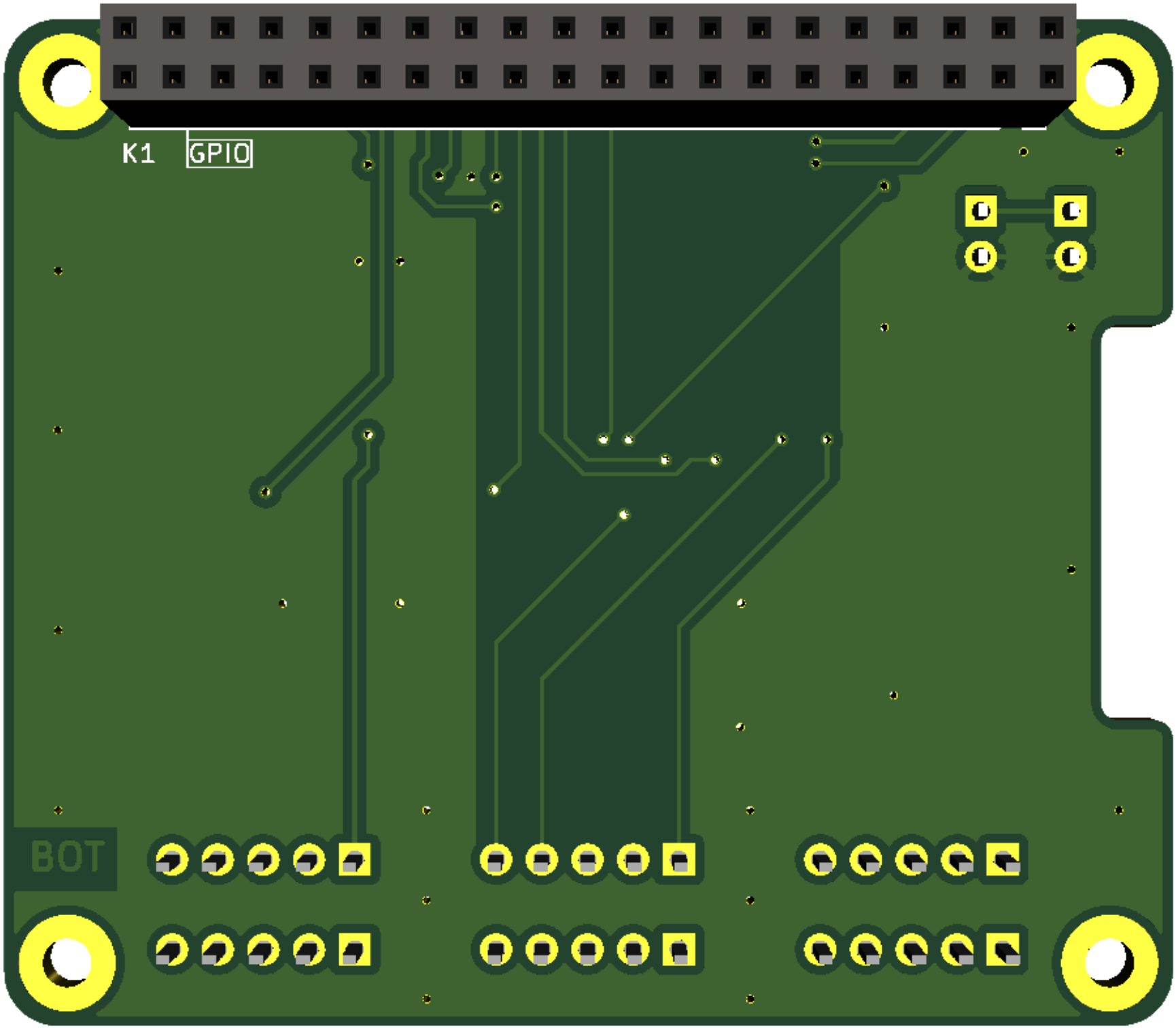
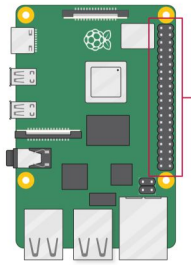
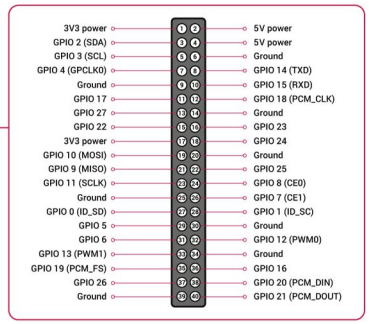
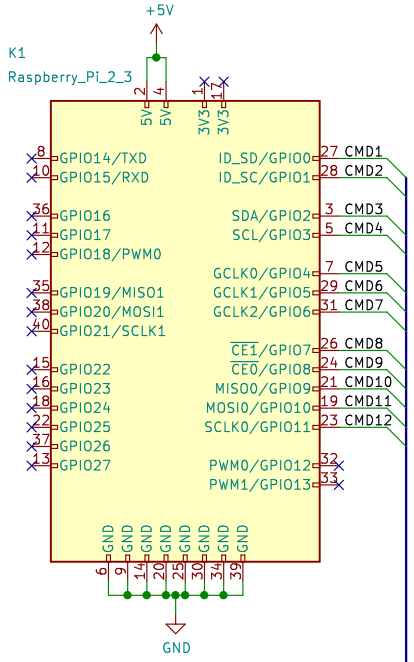
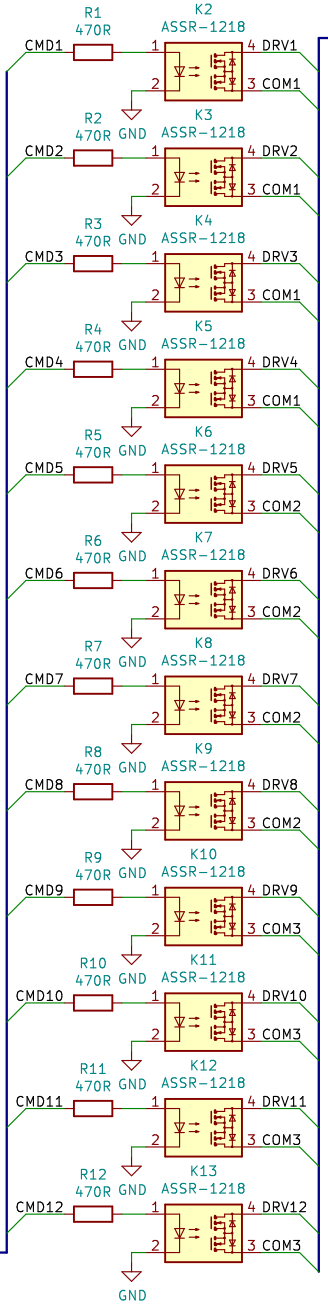

X4
R7
R8
R1
R2
R3
R4
K8
K9
K2
K3
K4
K5
Raspberry Pi
R9
R10
R11
R12
R5
R6
K10
K11
K12
K13
K6
K7
Conn GPIO
X1 | 0 - 3
X2 | 4 - 7
X3 | 8 - 11
COM
DRV9
DRV10
DRV11
DRV12
COM
DRV5
DRV6
DRV7
DRV8
COM
DRV1
DRV2
DRV3
DRV4
X3
X2
X1
V1
TOP

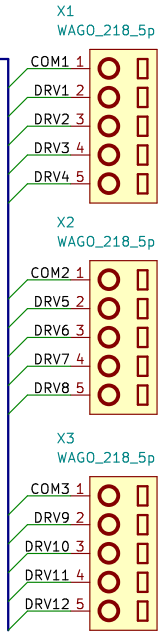

K1
GPIO
BOT



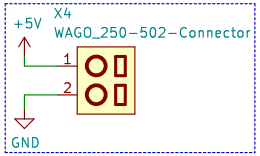








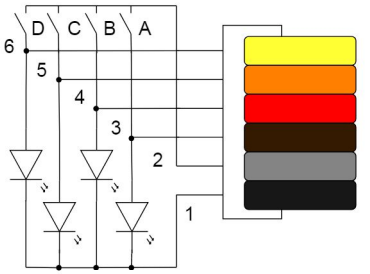
Alimentation de l'écran



US/U 4.2

Connections

Gris : COM
Brun : DRV1 --> A
Rouge : DRV2 --> B
Orange : DRV3 --> C
Jaune : DRV4 --> D



Dimensionnement R1 à R12

Pour Vcc = 3.3V
Imin = (Vcc - Ufmax) / R = 3.6 mA
Imax = (Vcc - Ufmin) / R = 4.7 mA

Trous de fixation

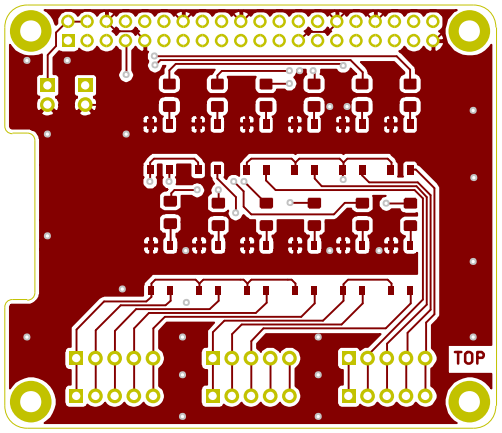
Robin Forestier
Centre de formation, Force Aérienne, Base Aérinne, PAY

Sheet: /
File: shield_octo.sch

Title: shield_octo

Size: A4	Date: 2021-11-30	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

TOP



Robin Forestier
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Sheet:
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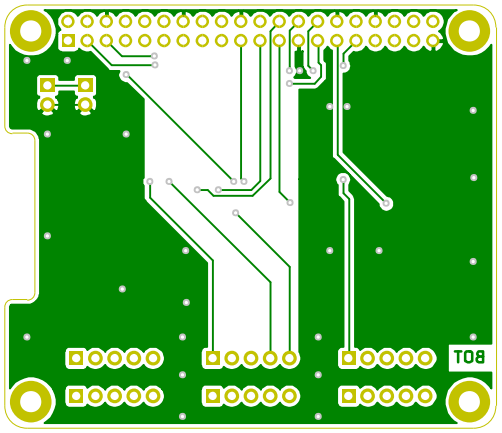
Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

BOT



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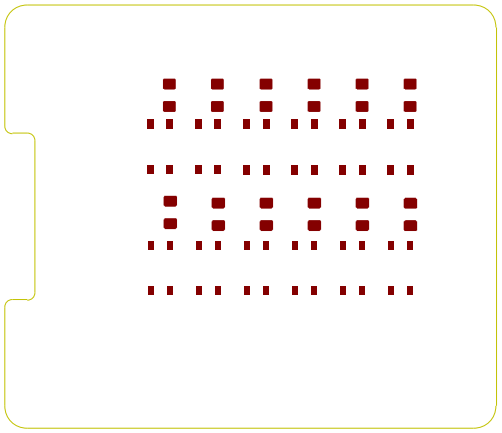
Sheet:
File: shield_octo.kicad_pcb

Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

TOP PASTE



Robin Forestier
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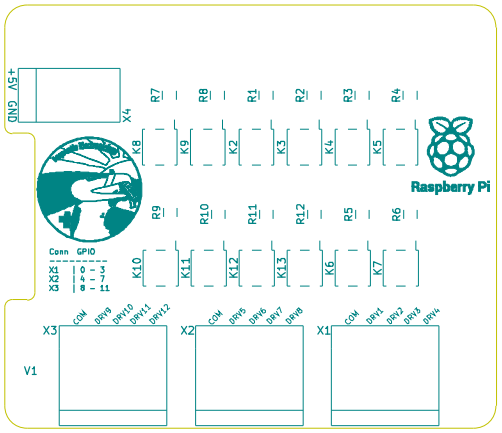
Sheet:
File: shield_octo.kicad_pcb

Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

TOP SILKSCREEN



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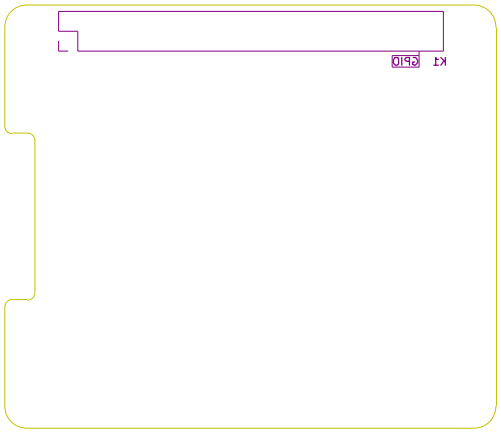
Sheet:

File: shield_octo.kicad_pcb

Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

BOT SILKSCREEN



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Center de formation, Force Aérienne, Base Aérienne, PAY

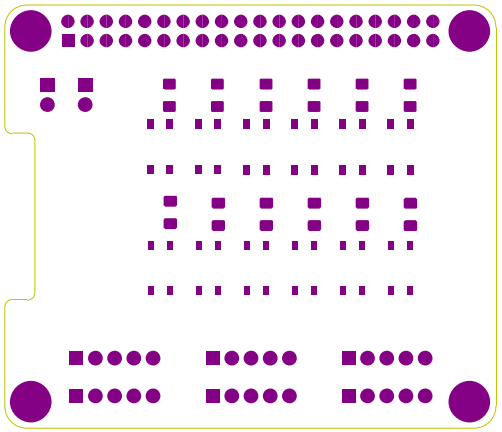
Sheet:

File: shield_octo.kicad_pcb

Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

TOP SOLDERMASK



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Sheet:
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Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
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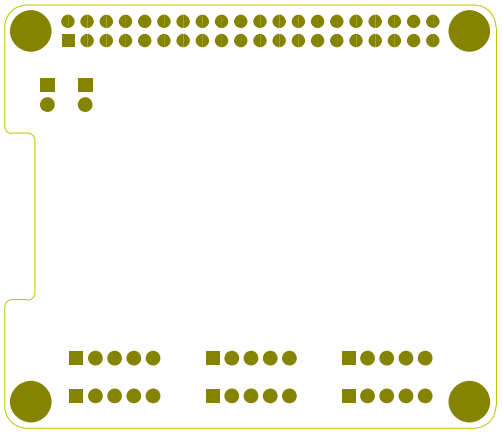
BOT SOLDERMASK



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Title: shiel_octo

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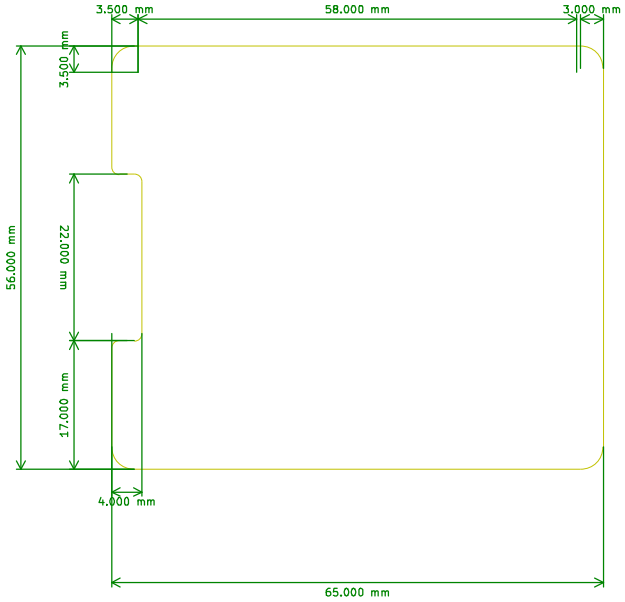
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

DIMMENTION



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Sheet:

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Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

EDGE CUT

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Sheet:
File: shield_octo.kicad_pcb

Title: shiel_octo

Size: A4	Date: 2021-12-01	**Rev: 1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1

shiel_octo

Center de formation, Force Aérienne, Base Aérienne, PAY

Rev: 1

2021-12-01

F | FB | B

Ref lookup | Filter

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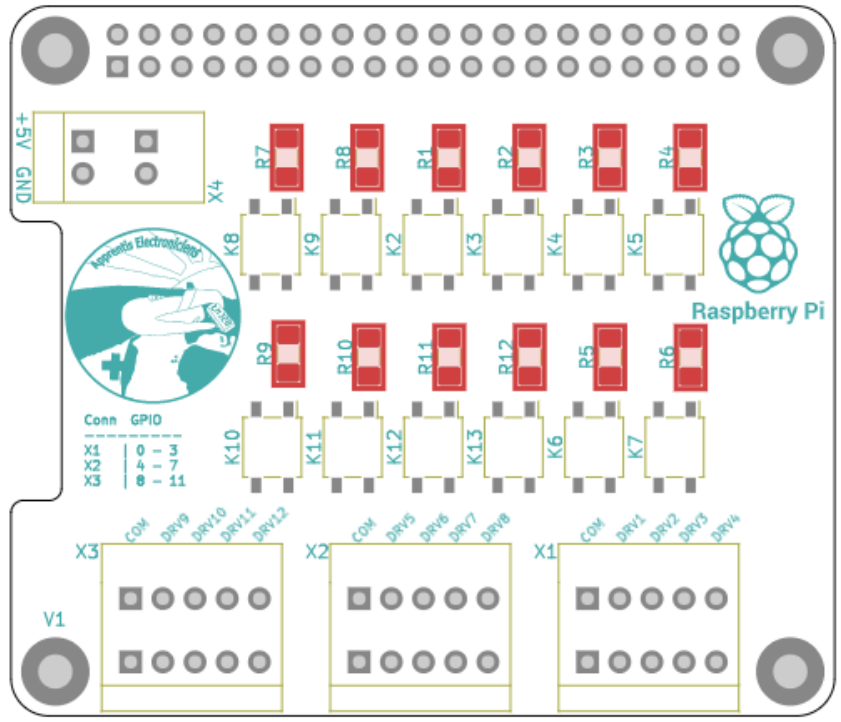
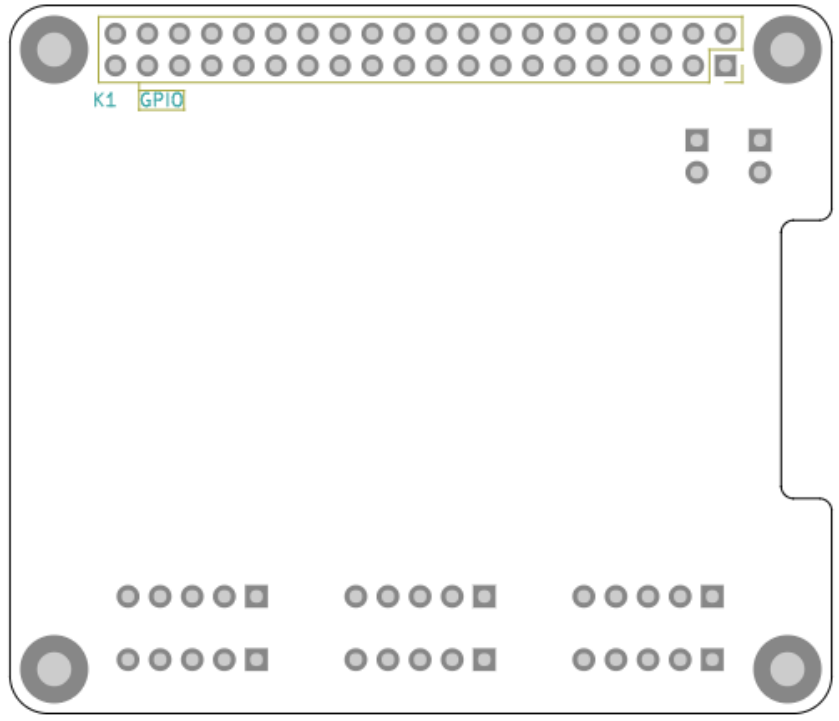
2	☐	☐	X1, X2, X3	WAGO_218_5p	WAGO_218-505	3
3	☐	☐	X4	WAGO_250-502-Connector	Wago_218-502_MOR	1
4	☐	☐	K1	Raspberry_Pi_2_3	PinSocket_2x20_P2.54mm_Vertical	1
5	☐	☐	K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13	ASSR-1218	SO-4_4.4x4.3mm_P2.54mm	12





shiel_octo

Center de formation, Force Aérienne, Base Aérienne, PAY

Rev: 1

2021-12-01

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Ref lookup | Filter

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2	☐	☐	X1, X2, X3	WAGO_218_5p	WAGO_218-505	3
3	☐	☐	X4	WAGO_250-502-Connector	Wago_218-502_MOR	1
4	☐	☐	K1	Raspberry_Pi_2_3	PinSocket_2x20_P2.54mm_Vertical	1
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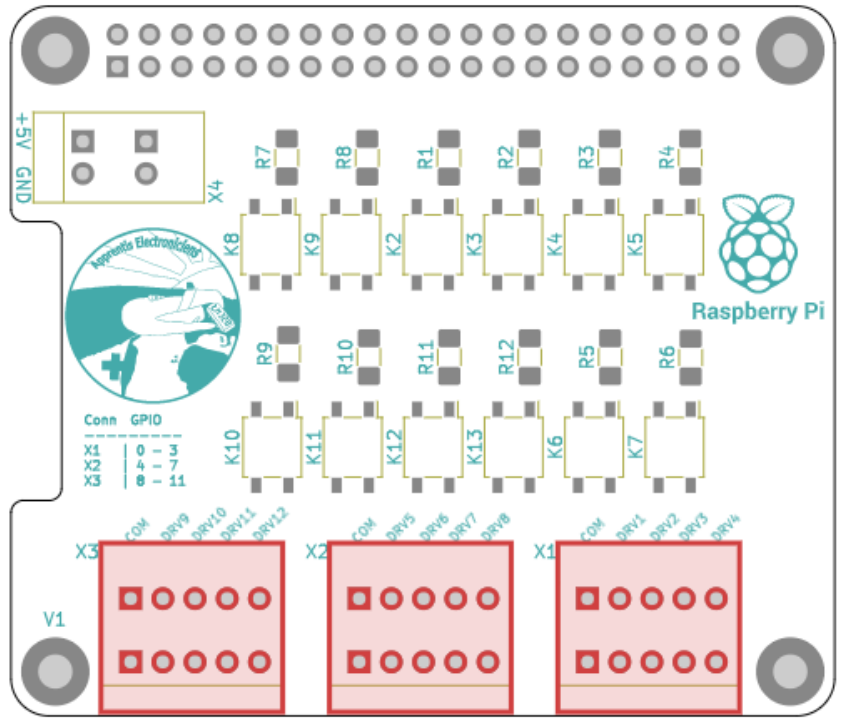

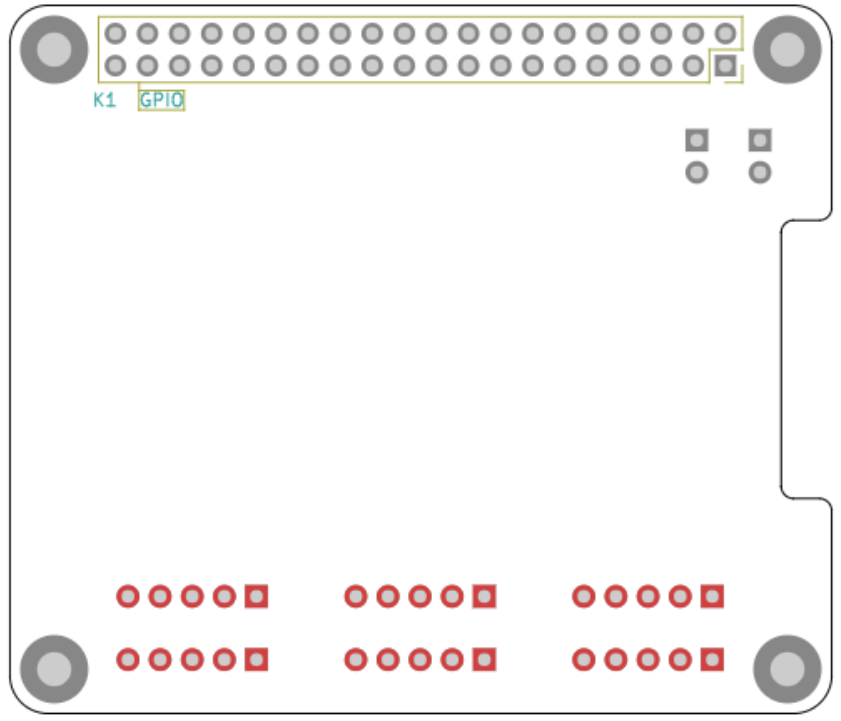

shiel_octo

Center de formation, Force Aérienne, Base Aérienne, PAY

Rev: 1

2021-12-01

F | FB | B

Ref lookup | Filter

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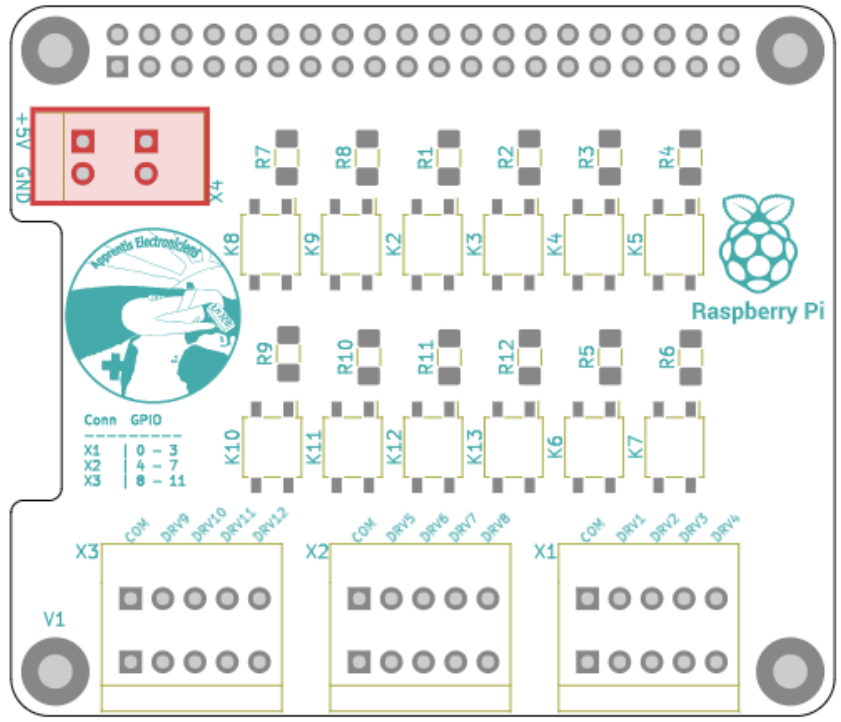

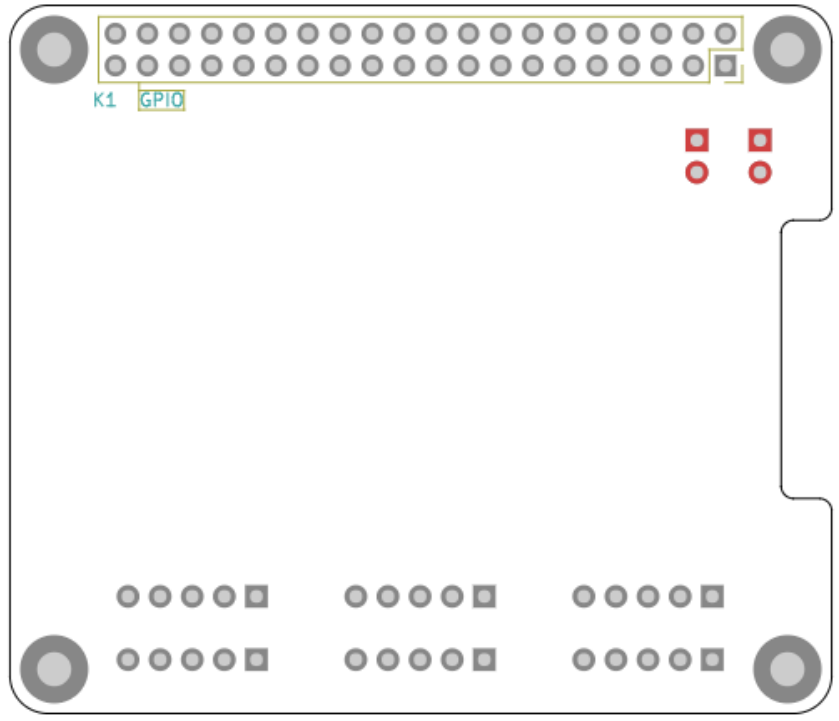

shiel_octo

Center de formation, Force Aérienne, Base Aérienne, PAY

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2021-12-01

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Ref lookup | Filter

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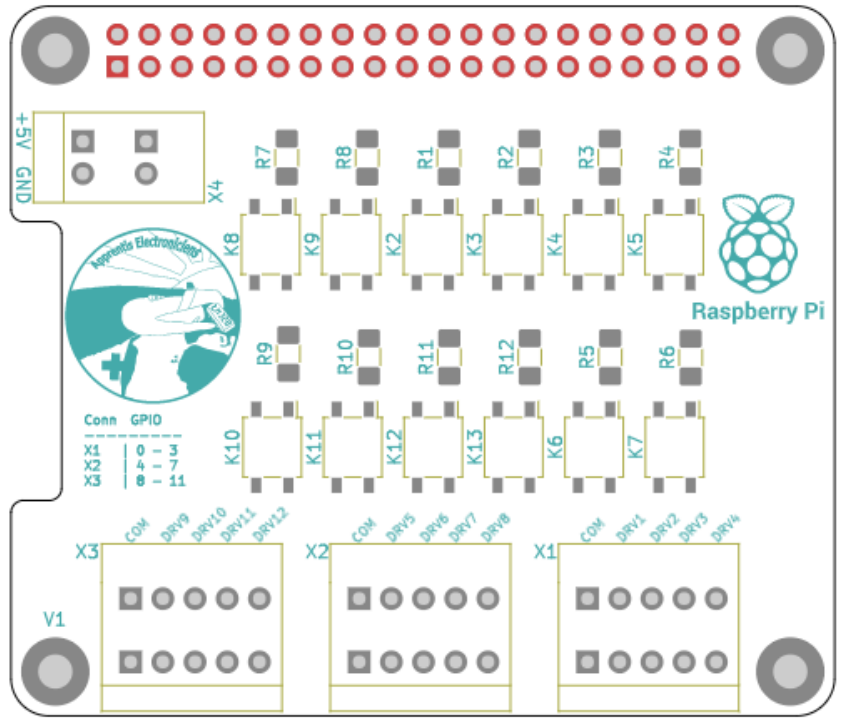
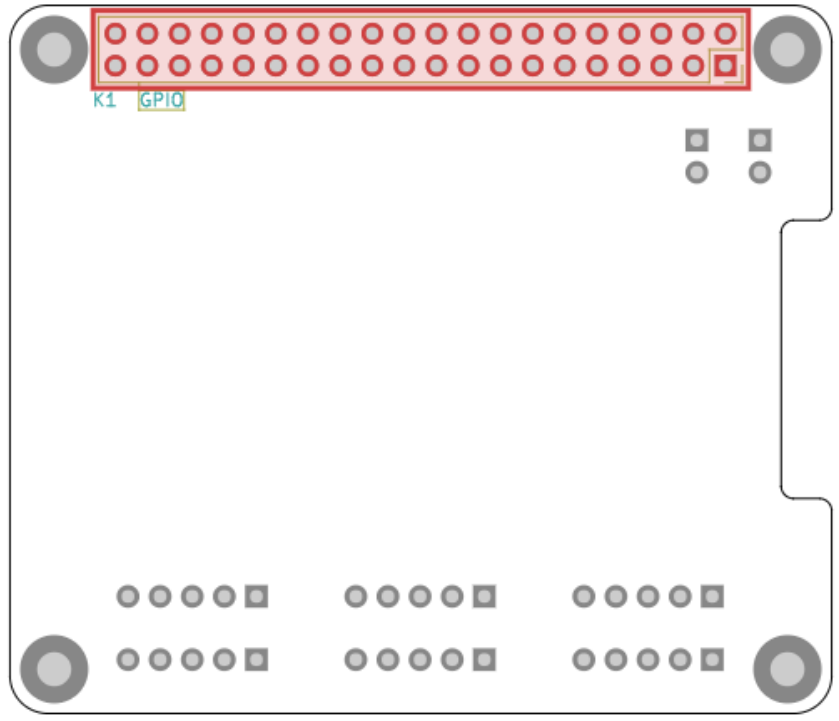
2	☐	☐	X1, X2, X3	WAGO_218_5p	WAGO_218-505	3
3	☐	☐	X4	WAGO_250-502-Connector	Wago_218-502_MOR	1
4	☐	☐	K1	Raspberry_Pi_2_3	PinSocket_2x20_P2.54mm_Vertical	1
5	☐	☐	K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13	ASSR-1218	SO-4_4.4x4.3mm_P2.54mm	12





shiel_octo

Center de formation, Force Aérienne, Base Aérienne, PAY

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2	☐	☐	X1, X2, X3	WAGO_218_5p	WAGO_218-505	3
3	☐	☐	X4	WAGO_250-502-Connector	Wago_218-502_MOR	1
4	☐	☐	K1	Raspberry_Pi_2_3	PinSocket_2x20_P2.54mm_Vertical	1
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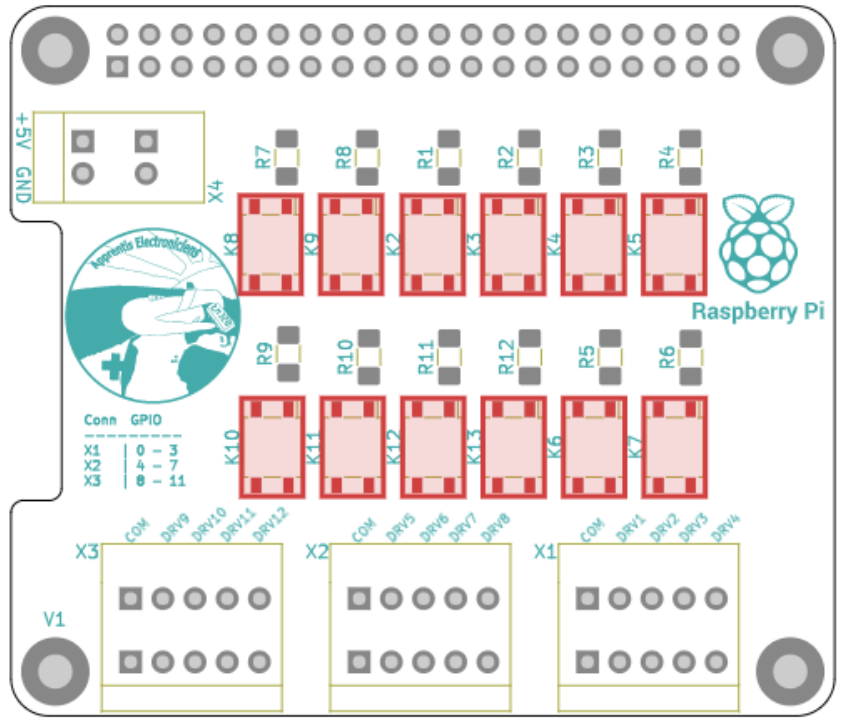

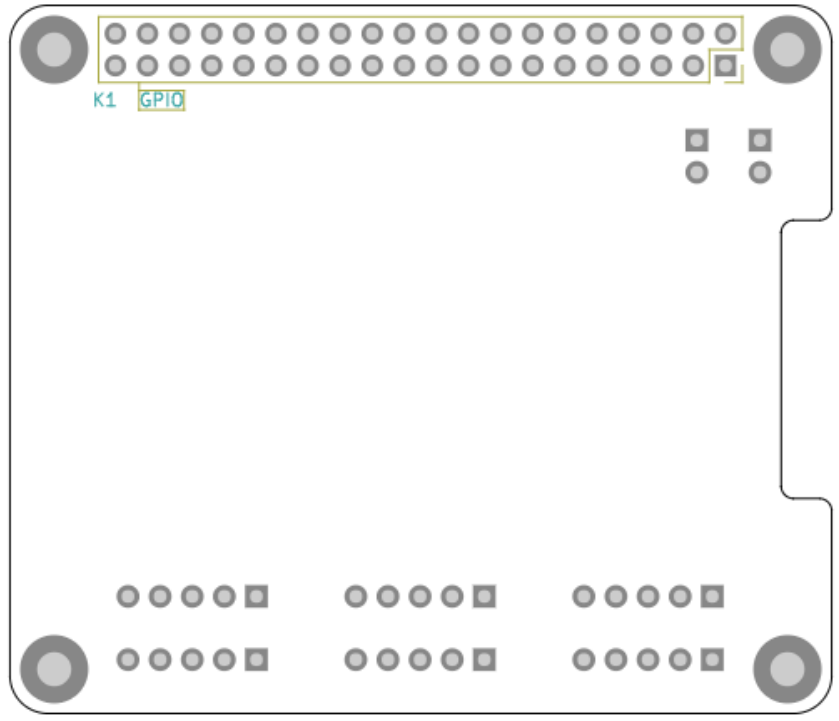

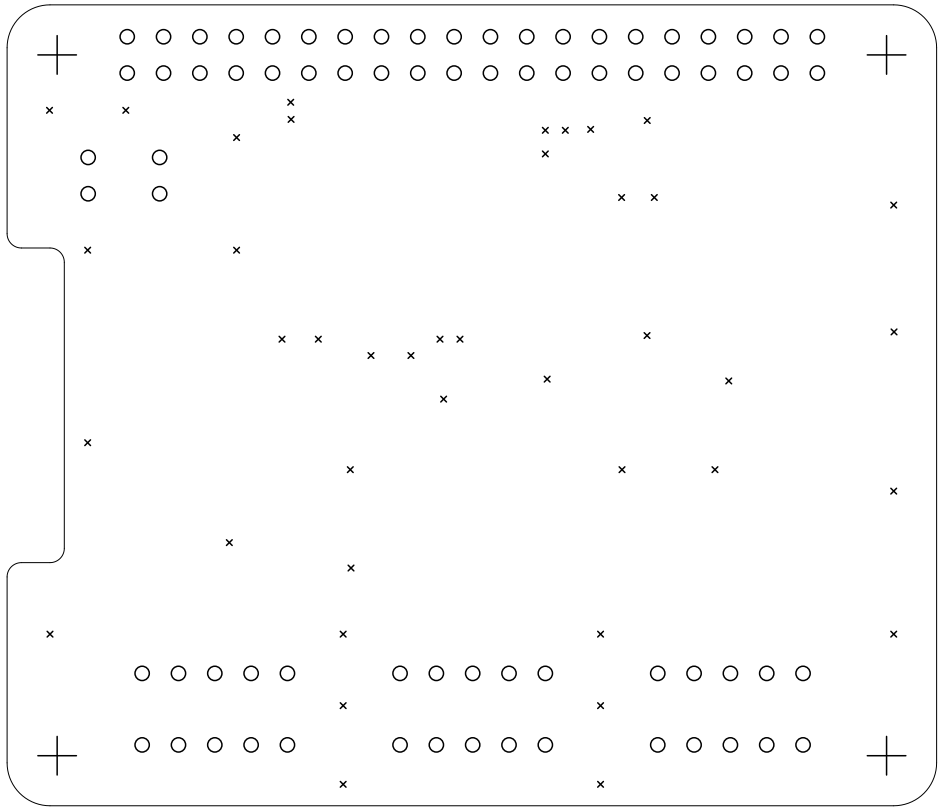

Drill Map:

× 0.400mm / 0.0157" (41 holes)
○ 1.000mm / 0.0394" (74 holes)
┼ 2.700mm / 0.1063" (4 holes)