

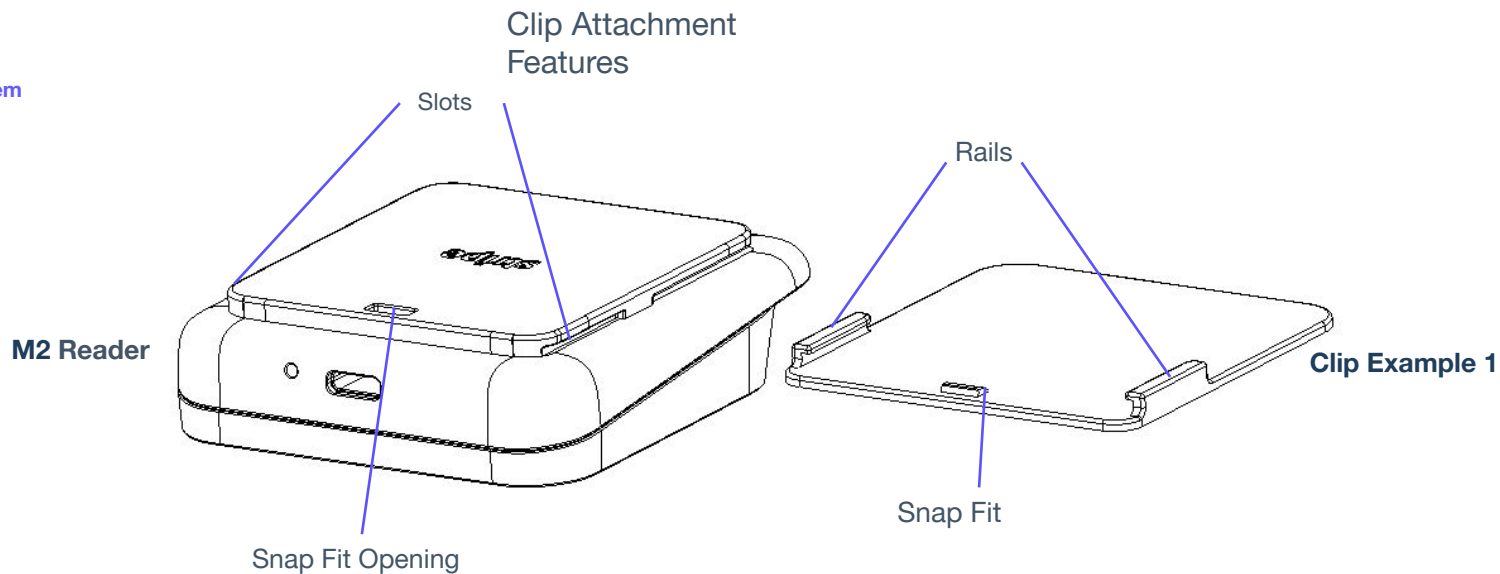
M2 Attachment Design Files - Mechanical Usage Guidelines

Technical restrictions

- Be cautious using metals directly around the reader that could impact NFC performance
- Do not block the NFC antenna
- Do not cover the contactless logo
- Do not use magnets
- Do not apply excessive force to the slots and or base of the reader (this could force the back housing off)
- Stripe is not responsible for the fit or compatibility of the reader and accessory, or the success of any designs not created by Stripe

M2

Clip Attachment System

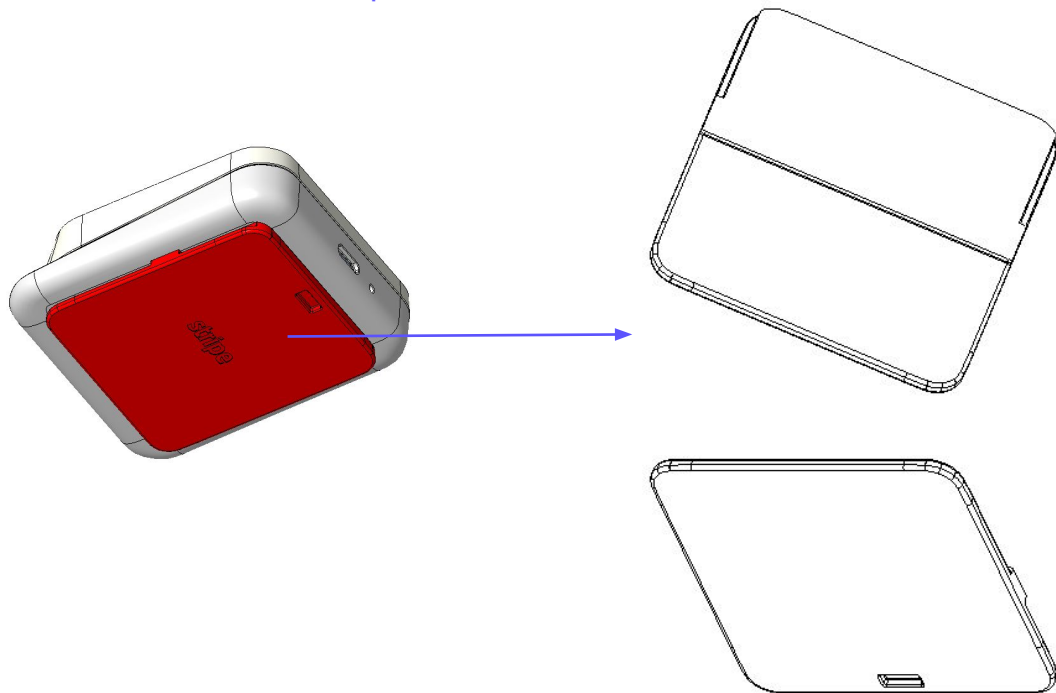


For more details please refer to 3D CAD files and drawings:

- [Stripe_M2_Back_Housing_Reference.stp](#)
- [Stripe_M2_3DP_Example_1.stp](#)
- [Stripe_M2_3Dp_Example_2.stp](#)

M2

Files for Custom Attachment Development



Stripe M2 Back Housing

The Back Housing part of M2 has the relevant features and geometry from which a custom attachment can be built.

All manufacturing tolerances are available with 2D drawings here.

For more details please refer to 3D CAD files

- [Stripe_M2_Back_Housing_Reference.stp](#)

NOTES

Drawing to be used as reference for designing custom attachments to M2

REVISION HISTORY				
REV	DESCRIPTION	REASON	DATE	APPLIED BY
1	First Release		06/06/21	CH

B

B

C

C

D

D

E

E

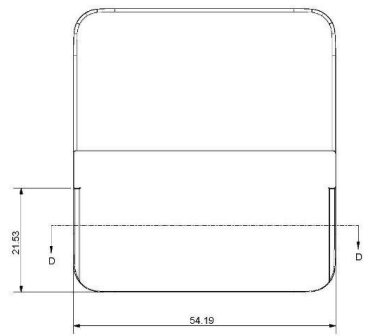
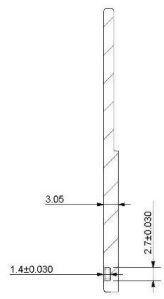
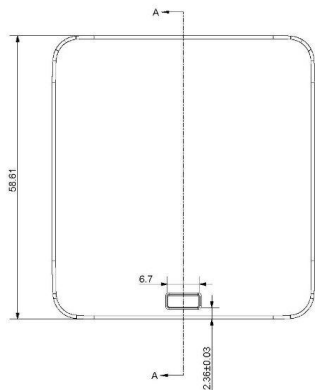
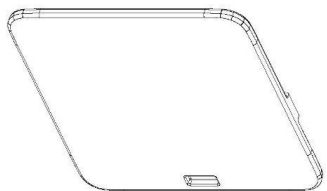
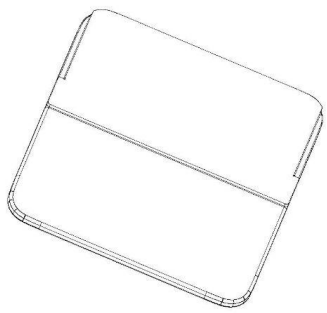
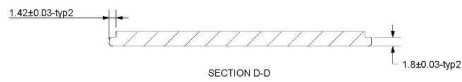
F

F

G

G

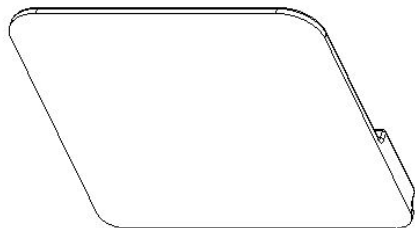
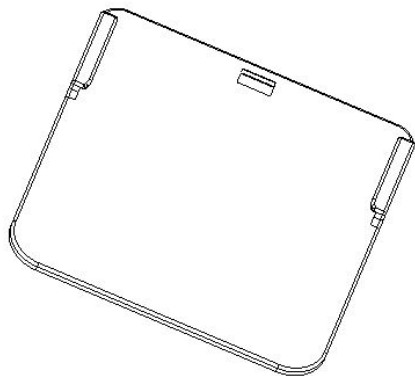
This drawing & contents herein are confidential & order property of STRIPE INC. Reproduction of this drawing or construction of any part is within this drawing are forbidden without the prior written consent of STRIPE INC.



PROJECT: Stripe Reader M2				PART: Back Housing Reference	
3D CAD FILE REF: Stripe Reader M2 Back Housing Ref.step				DRAWING TYPE: Part	
DRAWING NUMBER: n/a		PART NUMBER: 432-010-00040 rev 1		RELEASE STATUS: Hnd	REV: 3
SHEET: 1 of 2		SCALE: 2	SUPT: AP	VERSION: Ver A	UNIT: mm
DESIGNED BY: STRIPE		DATE: 13 May 21	DRAWN BY: Connor Hayes	DATE: 13 May 21	CHECKED BY: Samuel O. Fuchs DATE: 13 May 21
GENERAL TOLERANCES UNLESS OTHERWISE STATED					
0	± 0.5mm	0.00	± 0.1mm	0	± 1.0°
0.0	± 0.25mm	0.000	± 0.05mm	0.0	± 0.5°
DO NOT SCALE					
MATERIAL: PC/ABS					

M2

Files for Custom Attachment Development



3DP Example 1 “Minimal”

This part can be used as a ***starting point*** to develop a plastic attachment that allows the Reader to be easily and quickly inserted and removed.

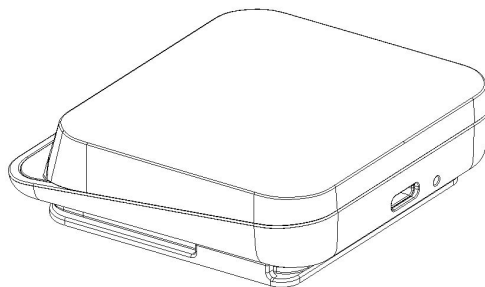
It is the design intent that the part could be fixed to a suitable surface via an appropriate adhesive.

This design is just an approximation and can be used as a first prototype build for further development.

A custom design must be developed for the material and process being implemented.

For more details please refer to 3D CAD file:

- [Stripe_M2_3DP_Example 1.stp](#)



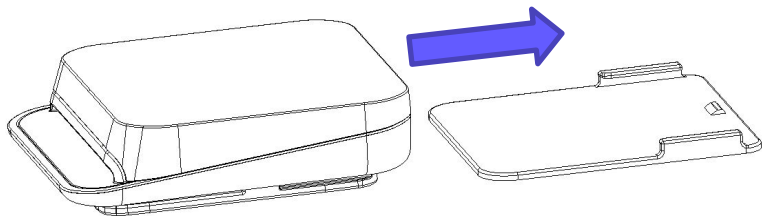
M2

Clip Attachment System

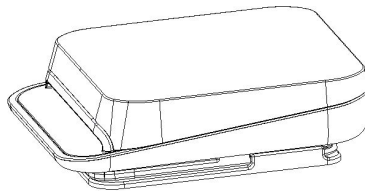
Method for Attaching and Removing 3DP Example

1

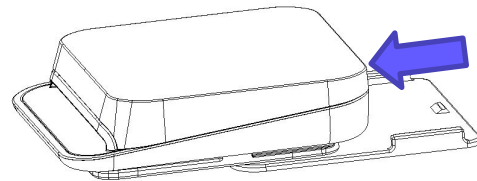
Align the M2 Readers Slots to the Clips
Rails



Slide until the M2 Reader “clicks” into
place.



To remove push the M2 Reader at rear.



Dimensions in mm

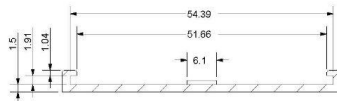
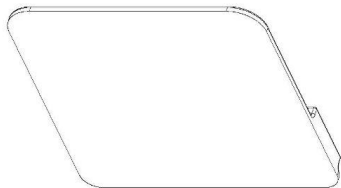
The colors shown on this document are not accurate and
reference only and are not intended to be used as a guide for color
matching

NOTES	
Drawing and relative 3D file to be used as a reference for designing custom attachments to M2.	
Design should be refined and validated based on the specific 3DP utilised or other processes and specific materials chosen.	
This design is based on limited testing with the MJF (Multi Jet Fusion) process and PA 12 material .	
No draft angles included.	
Fixing attachment functions best when the part is affixed via adhesive to flat surface due to additional structural rigidity provided.	
This design should be used as a starting point only from which to develop a custom attachment.	

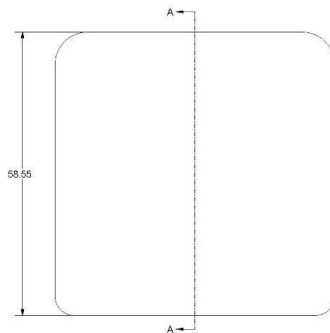
Fixing attachment functions best when the part is affixed via adhesive to flat surface due to additional structural rigidity provided.
This design should be used as a starting point only from which to develop a custom attachment.

REVISION HISTORY				
REV	DESCRIPTION	REASON	DATE	APPLIED BY
1	First Release		06/06/21	GH

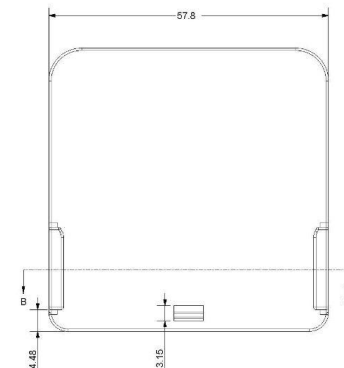
REV	DESCRIPTION	REASON	DATE	APPLIED BY
1	First Release		06/09/21	CH1



SECTION B-B



SECTION A-A



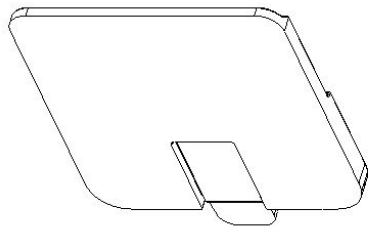
3D Printed M2 Clip Reference Design "Minimal Concept"

PROJECT: Stripe Reader M2				PART: Stripe M2 3DP Clip Minimal																											
3D CAD FILE REF: Stripe Reader M2 3DP Clip Minimal STEP				DRAWING TYPE: Part																											
DRAWING NUMBER: n/a		PART NUMBER: n/a		RELEASE STATUS: Held		REV: 1																									
SHEET: 1 of 2		SCALE: 1:1		VISION: A2		UNIT: mm																									
DESIGNED BY: STRIPE		DATE: 08 Aug 21		DRAWN BY: Connor Hayes		DATE: 08 Aug 21																									
				CHECKED BY: Seamus O'Fusca		DATE:																									
GENERAL TOLERANCES UNLESS OTHERWISE STATED																															
<table border="0"> <tr> <td>0</td> <td>±</td> <td>0.2mm</td> <td>0.00</td> <td>±</td> <td>0.1mm</td> <td>0</td> <td>±</td> <td>1.0°</td> <td>0.00</td> <td>±</td> <td>0.25°</td> </tr> <tr> <td>0.0</td> <td>±</td> <td>0.25mm</td> <td>0.000</td> <td>±</td> <td>0.05mm</td> <td>0.0</td> <td>±</td> <td>0.5°</td> <td colspan="3">DO NOT SCALE</td> </tr> </table>								0	±	0.2mm	0.00	±	0.1mm	0	±	1.0°	0.00	±	0.25°	0.0	±	0.25mm	0.000	±	0.05mm	0.0	±	0.5°	DO NOT SCALE		
0	±	0.2mm	0.00	±	0.1mm	0	±	1.0°	0.00	±	0.25°																				
0.0	±	0.25mm	0.000	±	0.05mm	0.0	±	0.5°	DO NOT SCALE																						
MATERIAL: PA12				PROCESS: MJF																											



M2

Files for Custom Attachment Development



3DP Example 2 “Robust”

This part can be used as a **starting point** to develop a plastic attachment that requires the user to press a lever to release.

The design intent is to reduce the chances of the Reader to un-intentionally being released from the attachment without a deliberate action from the user.

It is the design intent that the part could be fixed to a suitable surface via an appropriate adhesive.

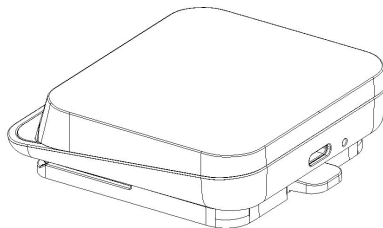
This design has side walls which makes the frame more rigid if required (versus 3DP Example 1 Minimal)

Note this design is just an approximation and can be used as a first prototype build for further development.

A custom design must be developed for the material and process being implemented.

For more details please refer to 3D CAD file:

- [Stripe_M2_3Dp_Example_2.stp](#)

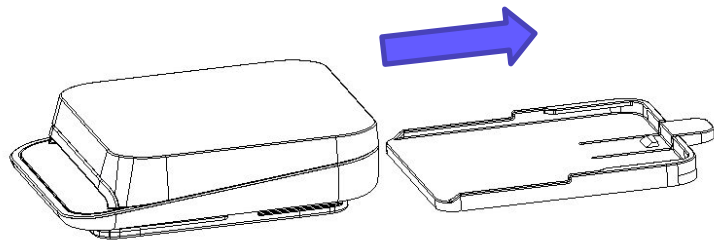


M2

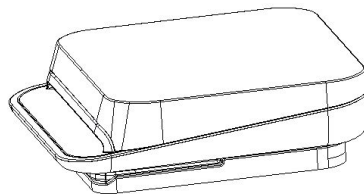
Clip Attachment System

Method for Attaching and Removing 3DP Example 2

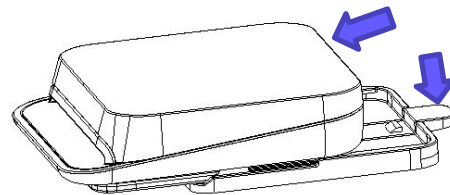
Align the M2 Readers Slots to the Clips Rails



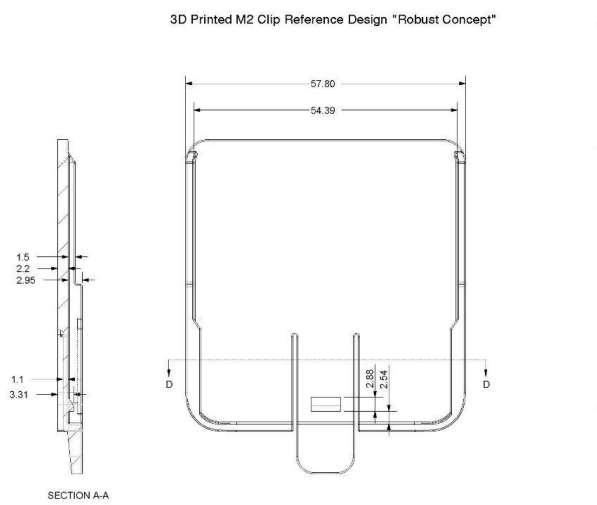
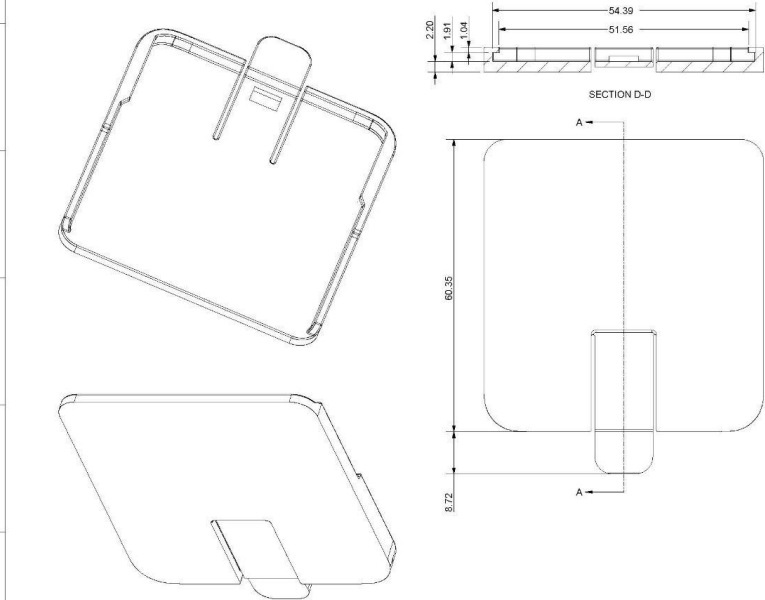
Slide until the M2 Reader "clicks" into place.



To remove push the button tab at rear and slide the M2 Reader out.




NOTES									
Drawing and relative 3D file to be used as a reference for designing custom attachments to M2.									
Design should be refined and validated based on the specific 3DP utilized or other processes and specific materials chosen.									
This design is based on limited testing with the MJF (Multi Jet Fusion) process and PA 12 material .									
No draft angles included.									
Fixing attachment functions best when the part is affixed via adhesive to flat surface due to additional structural rigidity provided.									
This design should be used as a starting point only from which to develop a custom attachment.									



REVISION HISTORY				
REV	DESCRIPTION	REASON	DATE	APPLIED BY
1	First Release		06/09/21	CH

3D Printed M2 Clip Reference Design "Robust Concept"

PROJECT: Stripe Reader M2				PART: Stripe M2 3DP Clip Robust			
3D CAD FILE REF: Stripe Reader M2 3DP Clip Robust.STEP				DRAWING TYPE: Part			
DRAWING NUMBER: n/a		PART NUMBER: n/a		RELEASE STATUS: Hold		REV: 1	
SHEET: 1 of 2		SCALE: 2	SIZE: A2	VERSION: Ver A	UNIT: mm		
DESIGNED BY: STRIPE		DATE: 09 Aug 21	DRAWN BY: Connor Hayes	DATE: 09 Aug 21	CHECKED BY: Steeven O Fuchs		DATE:
GENERAL TOLERANCES UNLESS OTHERWISE STATED							
0 ± 0.5mm		0.00 ± 0.1mm	0 ± 1.0°	0.00 ± 0.25°			
0.0 ± 0.25mm		0.000 ± 0.05mm	0.0 ± 0.5°	DO NOT SCALE			
MATERIAL: PA 12			PROCESS: MJF				

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