

2024 Robogames Mech Warfare Target Plates Updates

- For 2024 Robogames Mechwarfare, Official Target Plates will be provided by the event organizers for all competitors to use.
 - Only the official target plates will be allowed during the event.
 - These plates will be calibrated and validated by the event organizers prior to the event.
 - Competitors are encouraged to make their own target plates (plans will be provided) prior to the event to verify targets system functionality and fit checks, but only the official target plates will be used at the event.

COMPETITORS MUST SUPPLY THEIR OWN HARNESS FOR THE TARGET PLATES!

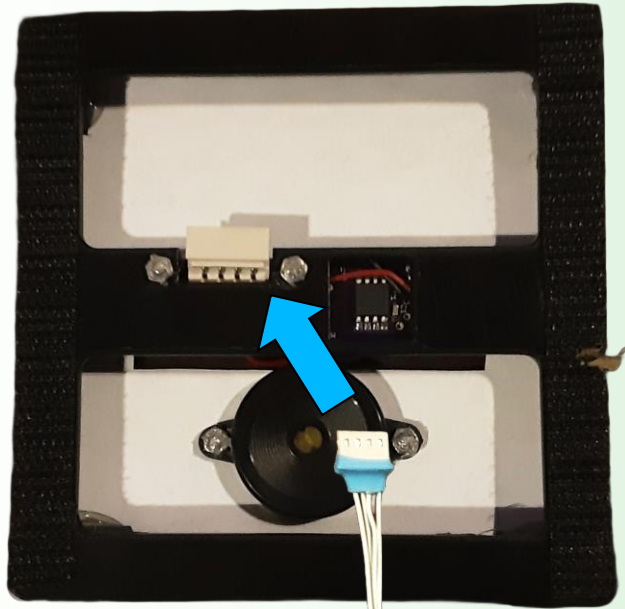
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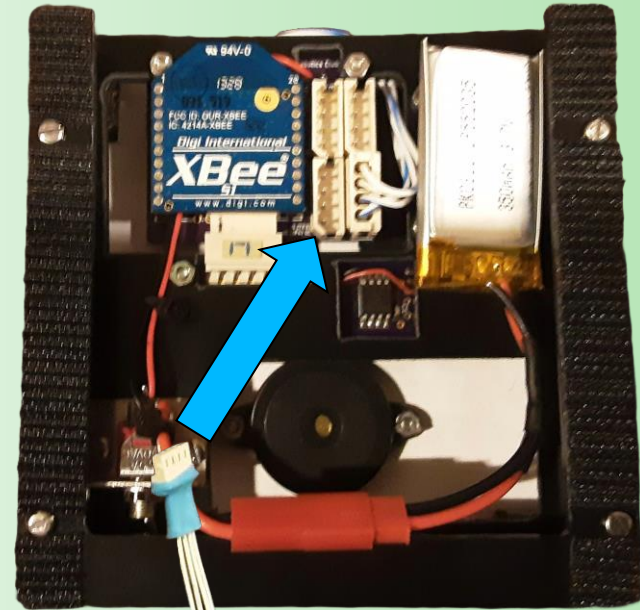
Target Plate Mounting Rules

1. Target plates must be reasonably and FIRMLY mounted on a Mech, with their entire face located between 2” and 22” off the ground,
2. Plates should be mounted on a flat, vertical surface, using two strips of velcro, so that the target plate is perpendicular to the ground.
3. Target panels cannot be mounted to legs.

Target Plates

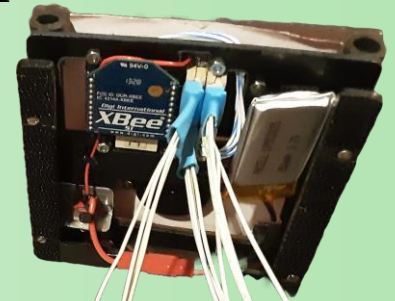


Target Plate



**Scoring
Transponder**

Harnesses
(Supplied by
Competitor)

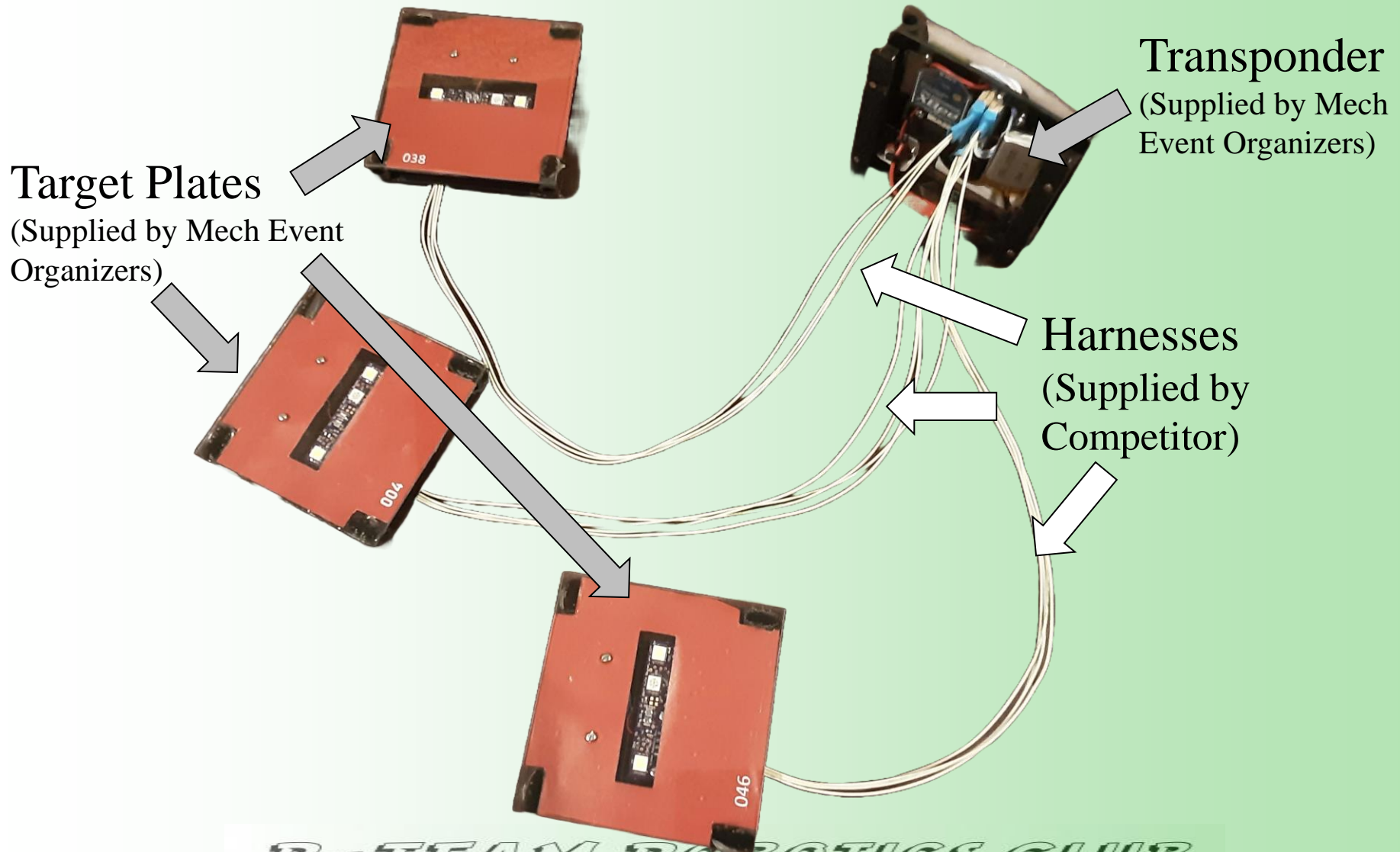


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Mech Warfare Scoring System



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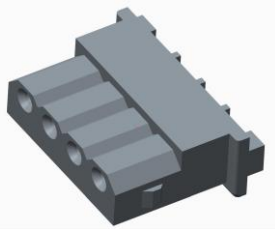
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Target Plate Connections

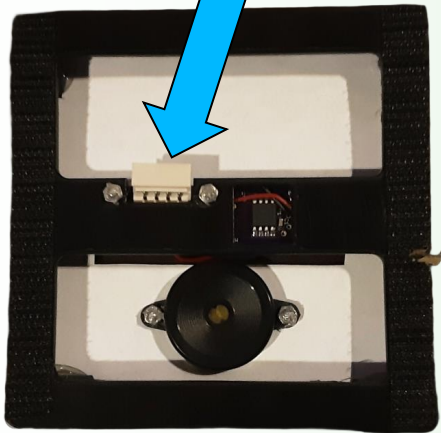
Molex Connector Header 0050375043

<https://www.digikey.com/en/products/detail/molex/0050375043/259392>

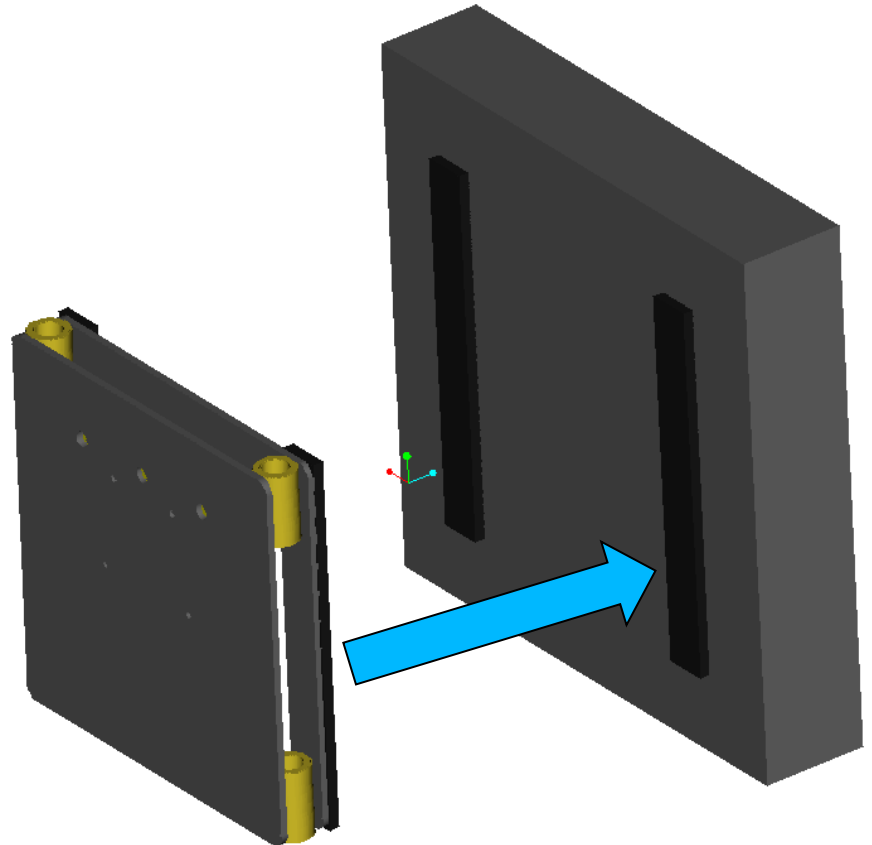
Mating
Connector on
Harness



Mates with Target Plates



Mount on flat stable surface on your Mech



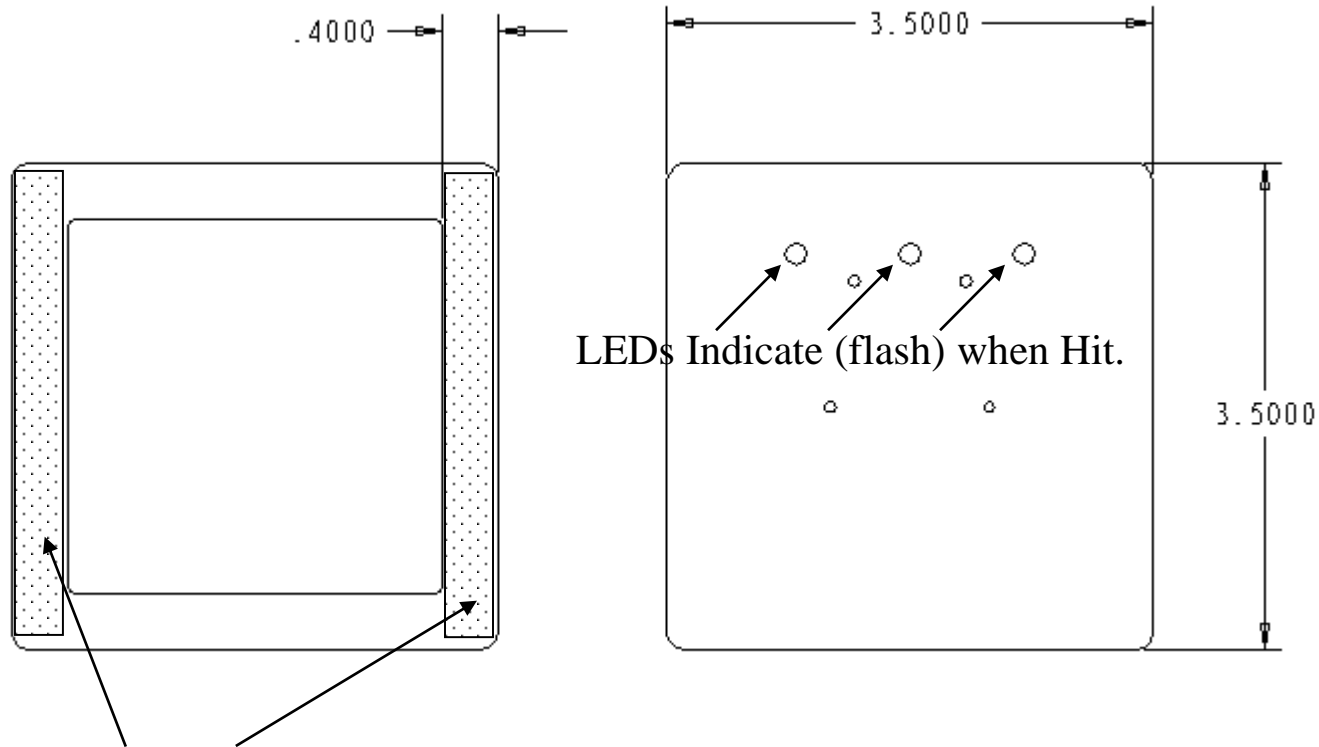
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Target Plate Dimension

Dimensions in inches.



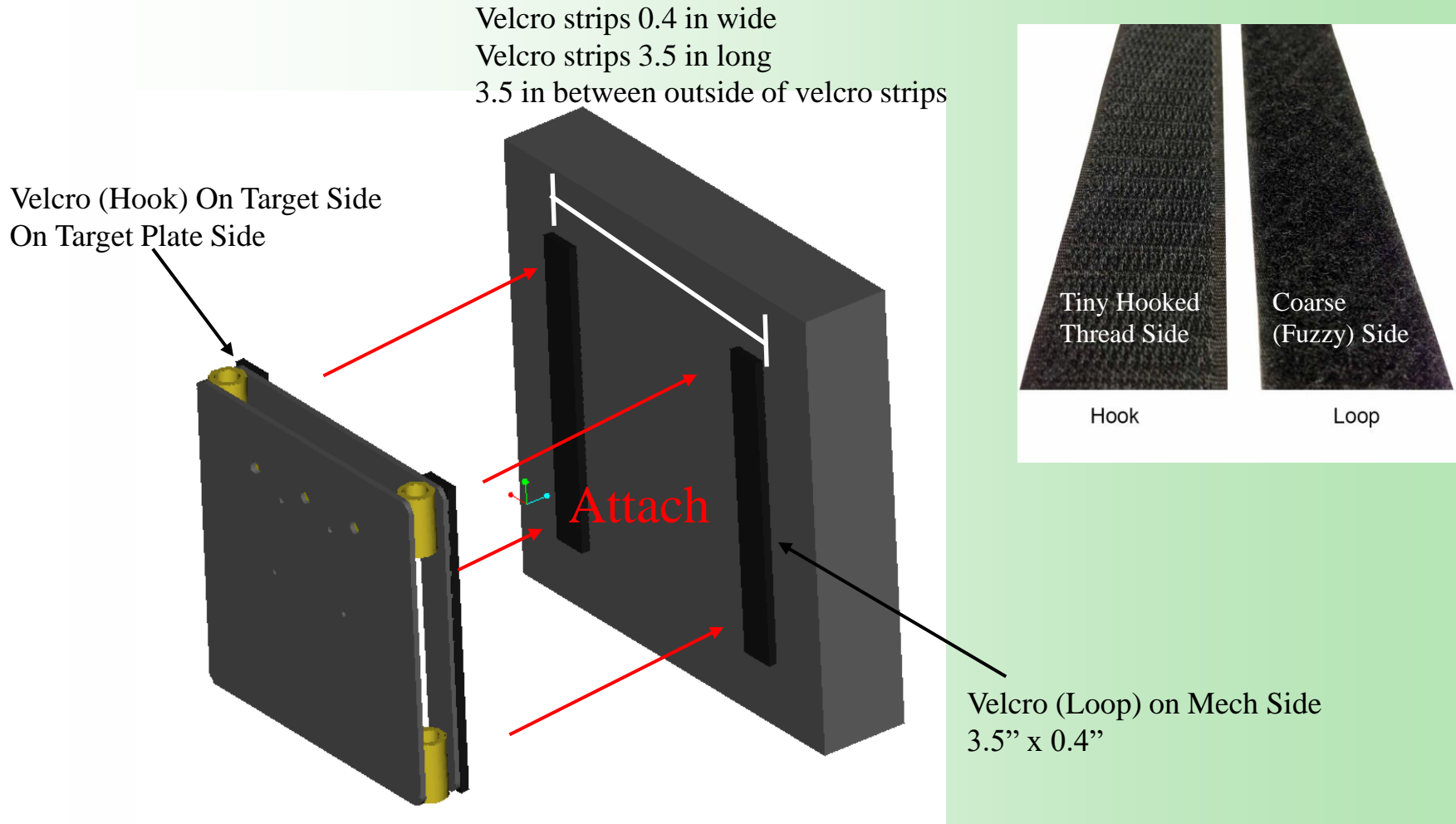
Velcro Strips (Loop Side)
3.5" x 0.4"

Target Plate Thickness is approx. 0.5"

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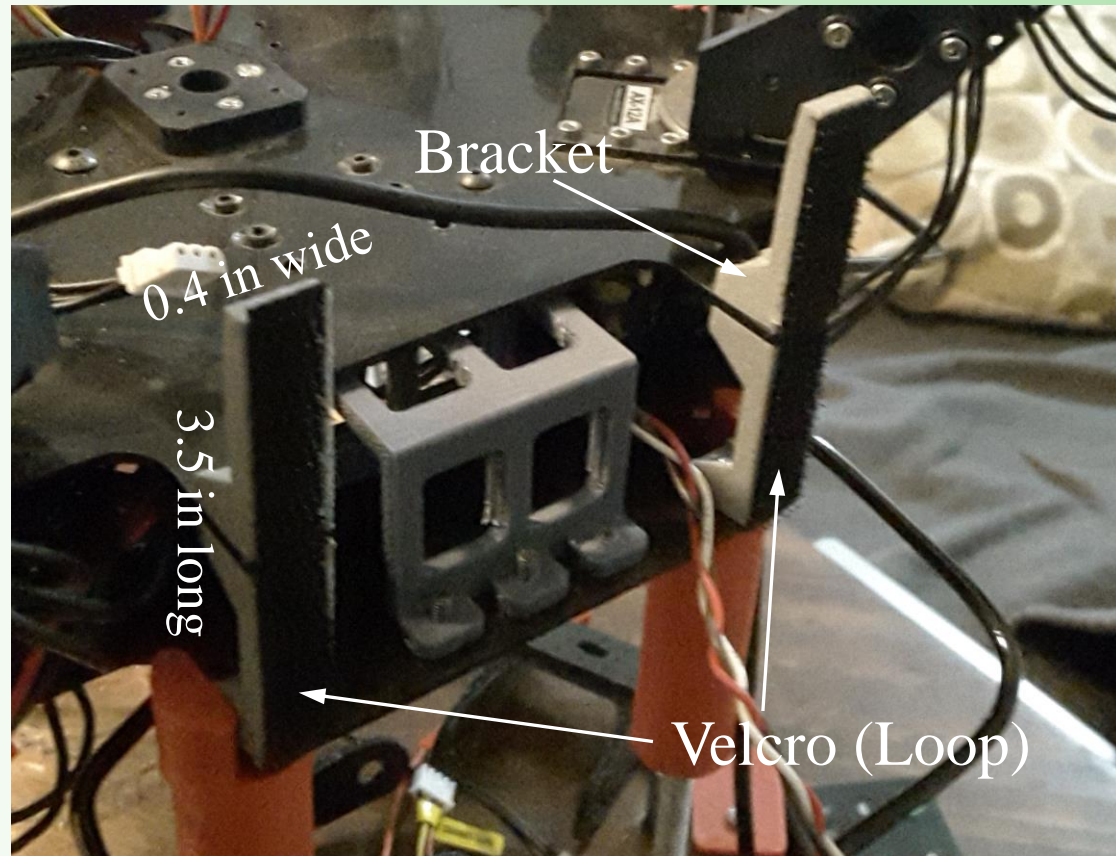
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Example: Acceptable Target Plate Attachment



Another Example: Acceptable Target Plate Attachment

This Mech has no good flat spots on the body to mount the target plates, so mounting brackets have been made to mount the target plates.

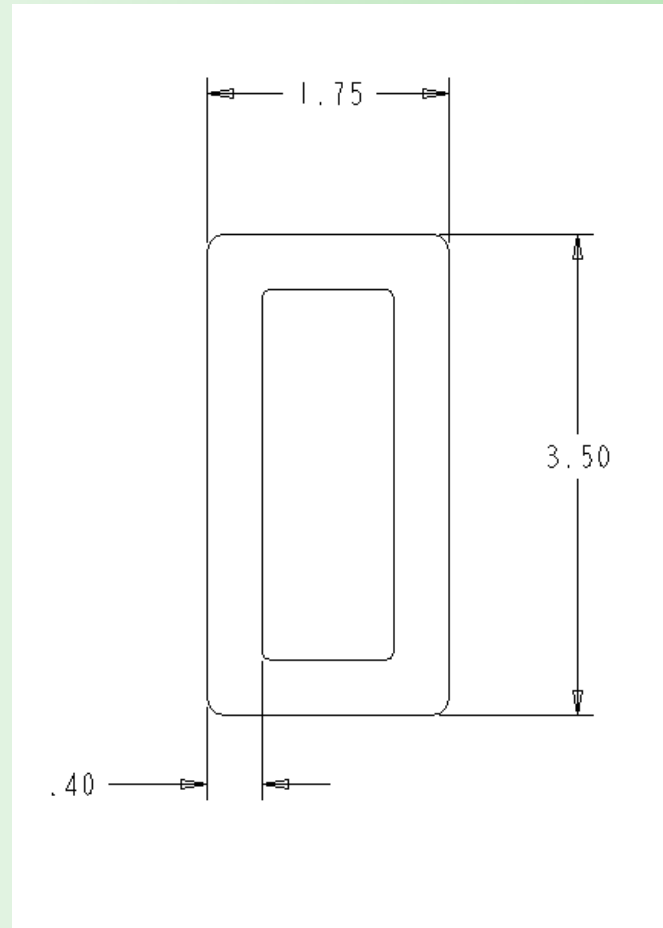
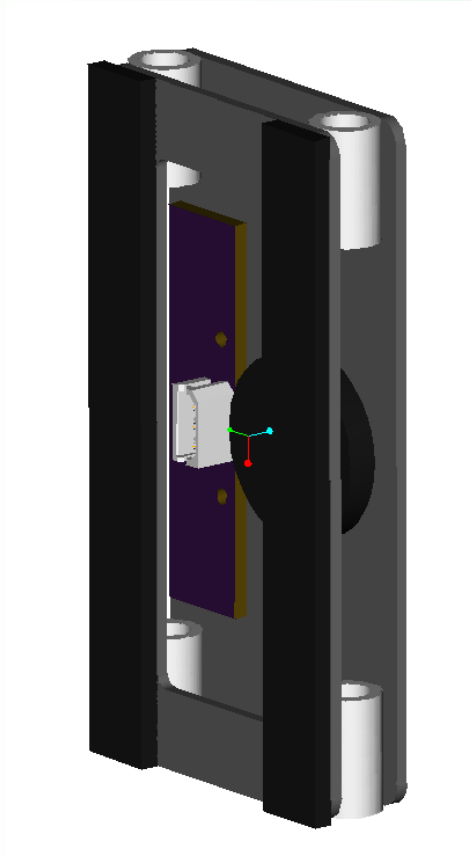


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Half Target Plate



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