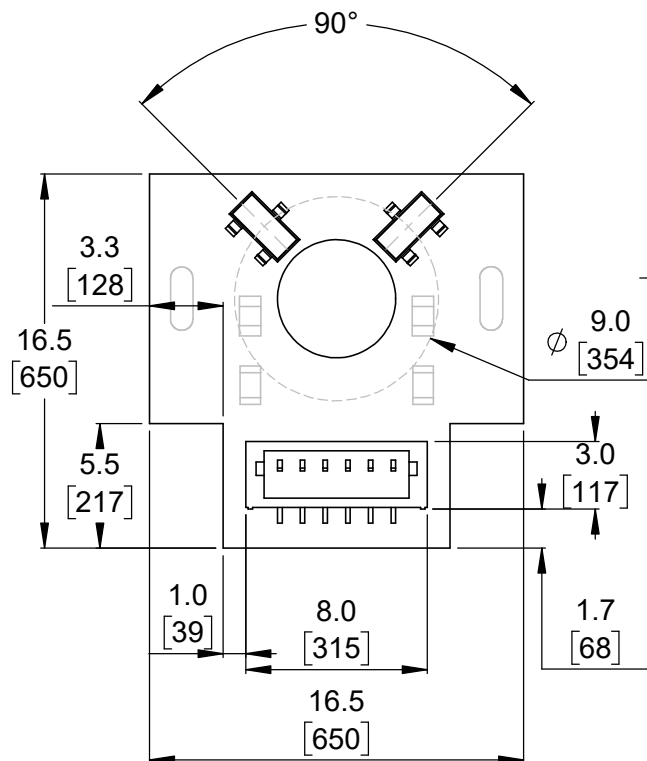
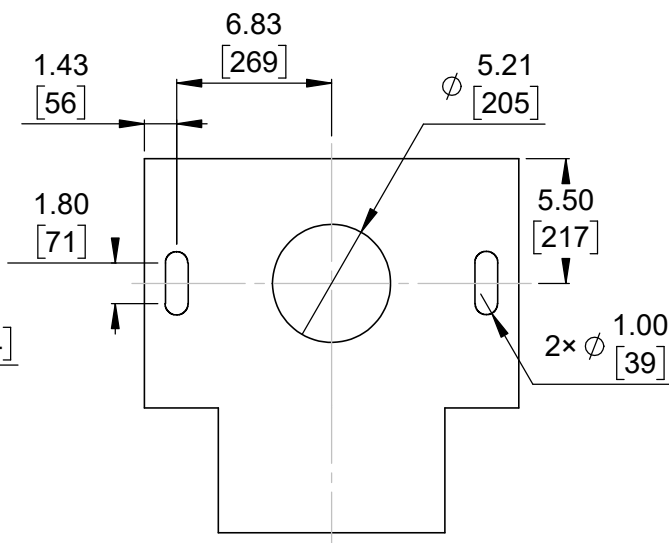
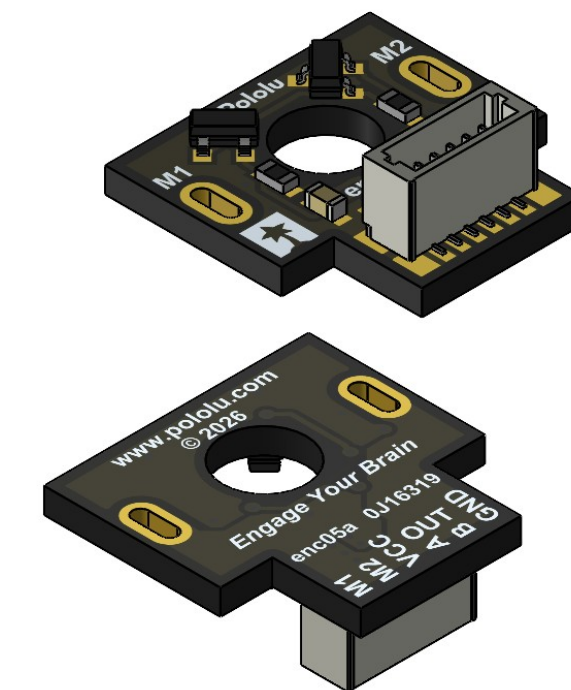




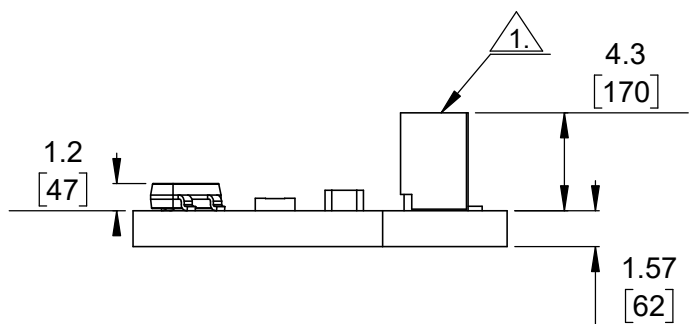
① Component-side view
Scale 3:1



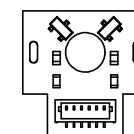
② Bottom-side view
Scale 3:1



③ Isometric view
Scale 3:1



④ Profile
Scale 3:1

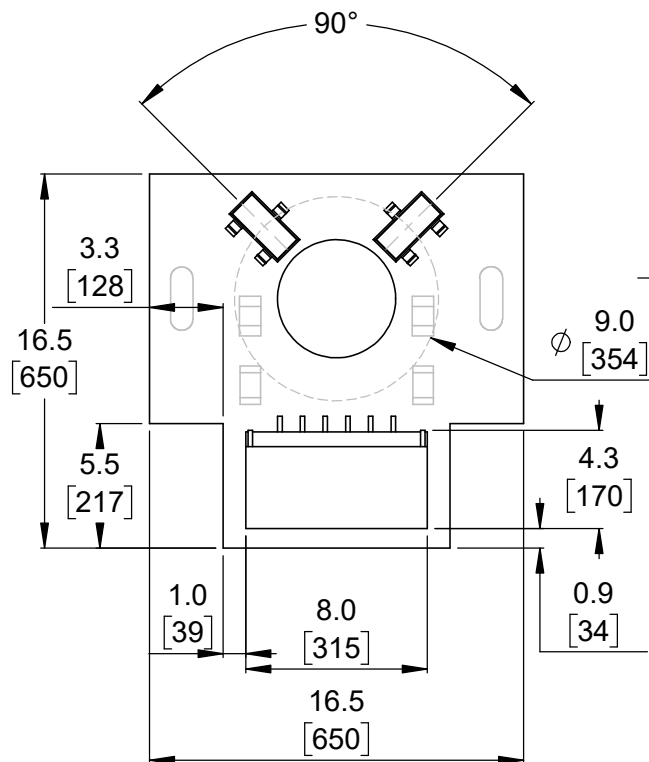


⑤ Actual size
Scale 1:1

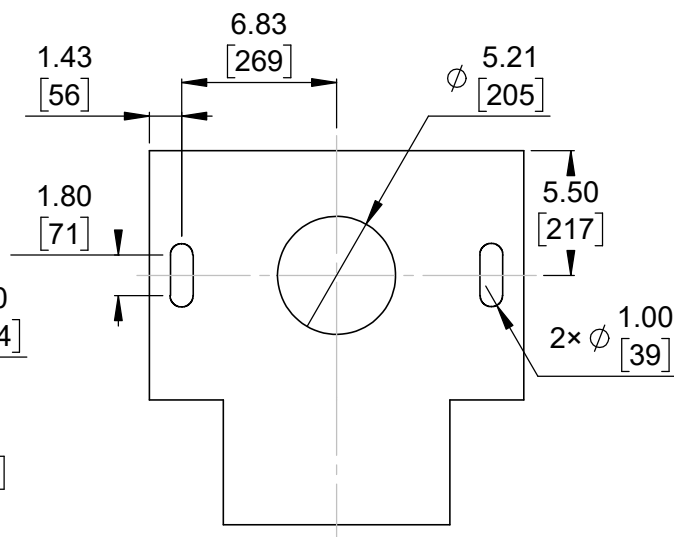
1. Top-entry, 6-pin male JST SH-style connector (1.0 mm pitch).
2. To get the specified scale, select 100% in print settings.
3. Drill location tolerance: ± 0.1 [± 5].
4. Board edge tolerance: ± 0.3 [± 10].

<https://www.pololu.com/product/3546>

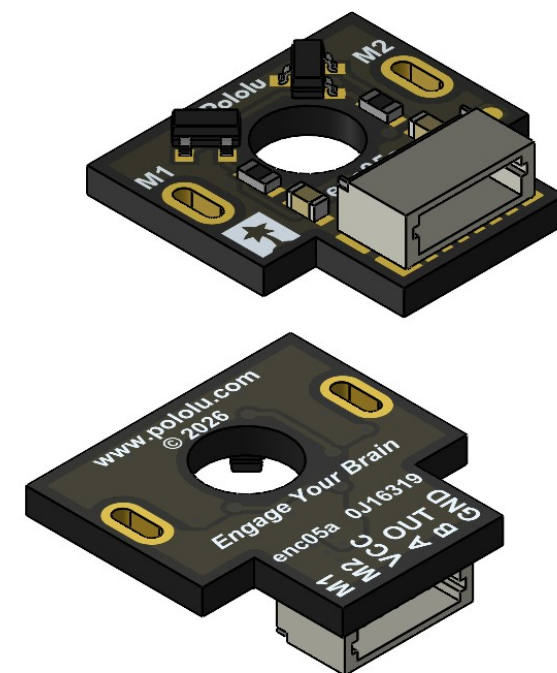
Name: Magnetic Encoder Pair Kit with Top-Entry Connector for Mini Plastic Gearmotor, 12 CPR, 2.7-18V		Item number: 3546
Drawing date: 21 August 2026	Dev code: enc05a	
Units: mm [mil]	Material: mixed	



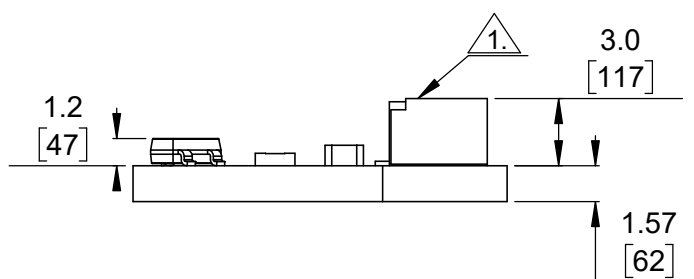
① Component-side view
Scale 3:1



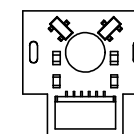
② Bottom-side view
Scale 3:1



③ Isometric view
Scale 3:1



④ Profile
Scale 3:1



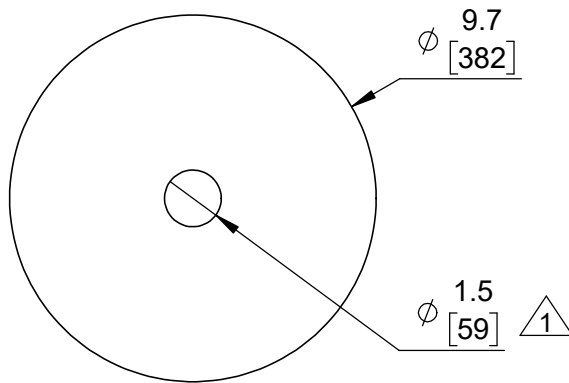
⑤ Actual size
Scale 1:1

1. Side-entry, 6-pin male JST SH-style connector (1.0 mm pitch).
2. To get the specified scale, select 100% in print settings.
3. Drill location tolerance: ± 0.1 [± 5].
4. Board edge tolerance: ± 0.3 [± 10].

<https://www.pololu.com/product/3547>

Name: Magnetic Encoder Pair Kit with Side-Entry Connector for Mini Plastic Gearmotor, 12 CPR, 2.7-18V		Item number: 3547
Drawing date: 21 August 2026	Dev code: enc05a	
Units: mm [mil]	Material: mixed	

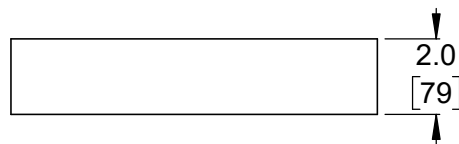
Pololu
Robotics & Electronics
© 2026 Pololu Corporation



① Top view
Scale 5:1



② Isometric view
Scale 5:1



③ Profile
Scale 5:1



④ Actual size
Scale 1:1

①.
2.

Designed to fit extended motor shaft on Mini Plastic Gearmotors.
To get the specified scale, select 100% in print settings.

<https://www.pololu.com/product/1524>

Name: Magnetic Encoder Disc for Mini Plastic Gearmotors, OD 9.7 mm, ID 1.5 mm, 12 CPR		Item number: 1524
Drawing date: 21 August 2026	Dev code: w1r02b	
Units: mm [mil]	Material: mixed	

Pololu
Robotics & Electronics
© 2026 Pololu Corporation