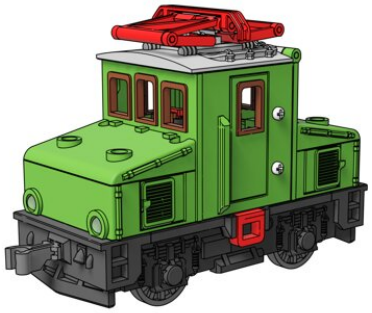
Small electric loco



Non-Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	M2.2x6.5 screw (DIN 7981)	33	N/A	
2.	1.75 mm filament piece	6	green	Cut to length during assembly
3.	5 mm white LED	4	white	Variant part (white LEDs as lamps) Use for better look

3D Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	TLF05-frame.stl filament: ~9 g/part	1	black	
2.	TLL05-floor.stl filament: ~7 g/part	1	black	
3.	TLH05-headstock.stl filament: ~5 g/part	2	black	
4.	TLM051DA-nose-A-equip.stl filament: ~3 g/part	1	black	Variant part (Type 1 - low-nose version)
5.	TLM051DB-nose-B-equip.stl filament: ~3 g/part	1	black	Variant part (Type 1 - low-nose version)
6.	TLM052DA-nose-A-equip.stl filament: ~3 g/part	1	black	Variant part (Type 2 - high-nose version)
7.	TLM052DB-nose-B-equip.stl filament: ~3 g/part	1	black	Variant part (Type 2 - high-nose version)
8.	TLT02-footstep.stl filament: ~0.4 g/part	1	red	
9.	TLC051-cab.stl filament: ~15 g/part	1	green	Variant part (Type 1 - low-nose version)
10.	TLC052-cab.stl filament: ~15 g/part	1	green	Variant part (Type 2 - high-nose version)
11.	TLD05-cab-door.stl filament: ~0.7 g/part	1	green	
12.	TLD01H-cab-door-hinge.stl filament: ~0.4 g/part	1	green	
13.	TLM051-nose.stl filament: ~7 g/part	2	green	Variant part (Type 1 - low-nose version)

No.	Part name	Quantity	Color (suggested)	Notes
14.	TLM051T-nose-top.stl filament: ~7 g/part	2	green	Variant part (Type 1 - low-nose version)
15.	TLM052-nose.stl filament: ~9 g/part	2	green	Variant part (Type 2 - high-nose version)
16.	TLM052T-nose-top.stl filament: ~8 g/part	2	green	Variant part (Type 2 - high-nose version)
17.	TLM051DL-nose-door-L.stl filament: ~0.8 g/part	2	green	Variant part (Type 1 - low-nose version)
18.	TLM051DR-nose-door-R.stl filament: ~0.8 g/part	2	green	Variant part (Type 1 - low-nose version)
19.	TLM052DL-nose-door-L.stl filament: ~0.9 g/part	2	green	Variant part (Type 2 - high-nose version)
20.	TLM052DR-nose-door-R.stl filament: ~0.9 g/part	2	green	Variant part (Type 2 - high-nose version)
21.	TAY01-lamp.stl filament: ~0.2 g/part	4	transparent	Variant part (3D printed lamps)
22.	TLS05L-suspension-L.stl filament: ~5 g/part	1	black	
23.	TLS05R-suspension-R.stl filament: ~5 g/part	1	black	
24.	TLC05C-instrument-column.stl filament: ~4 g/part	1	brown	
25.	TLC05CF-fuses.stl filament: ~0.3 g/part	1	black	
26.	TLC05CFB-fuse-blocker.stl filament: ~0.4 g/part	1	black	
27.	TLB05L-brake-lever.stl filament: ~0.3 g/part	1	red	
28.	TLC05CI-instrument-panel.stl filament: ~0.7 g/part	1	black	
29.	TLW01A-axle.stl filament: ~0.8 g/part	2	black	
30.	TLW01W-wheel-spkd.stl filament: ~2 g/part	4	gray	
31.	TAQ01-coupler-auto.stl filament: ~0.5 g/part	2	black	
32.	TAQ01C-coupler-cotter.stl filament: ~0.1 g/part	2	black	
33.	TLB05-brakes.stl filament: ~1 g/part	1	gray	
34.	TLF02B-frame-bottom.stl filament: ~3 g/part	1	black	
35.	TAG01-125x106-rssr-window.stl filament: ~0.1 g/part	4	brown	Variant part (Type 1 - low-nose version)
36.	TAG01-135x096-rssr-window.stl filament: ~0.1 g/part	2	brown	Variant part (Type 1 - low-nose version)
37.	TAG01-145x096-rssr-window.stl filament: ~0.1 g/part	2	brown	Variant part (Type 1 - low-nose version)

No.	Part name	Quantity	Color (suggested)	Notes
38.	TAG01-145x096-rssr-window.stl filament: ~0.1 g/part	2	brown	Variant part (Type 2 - high-nose version)
39.	TAG01-116x096-rs-window.stl filament: ~0.1 g/part	4	brown	Variant part (Type 2 - high-nose version)
40.	TLG051A-window-set.stl filament: ~1 g/part	1	brown	Set: includes parts 35, 36, 37 Complete window set (type 1)
41.	TLG052A-window-set.stl filament: ~0.8 g/part	1	brown	Set: includes parts 38, 39 Complete window set (type 2)
42.	TLC05R-roof.stl filament: ~9 g/part	1	gray	
43.	Pantograph Module (type 1) filament: ~6 g/part	1	red	Printed and assembled as a separate module

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

Pantograph Module (type 1) - Non-Printed Parts List

No.	Part name	Quantity (module)	Quantity (total)	Color (suggested)	Notes
1.	1.75 mm filament piece	3	3	silver	Cut to length during assembly

Pantograph Module (type 1) - 3D Printed Parts List

No.	Part name	Quantity (module)	Quantity (total)	Color (suggested)	Notes
1.	TMP01B-pant-base.stl filament: ~0.4 g/part	1	1	red	
2.	TMP01L-pant-lower-arm.stl filament: ~0.5 g/part	2	2	red	
3.	TMP01U-pant-upper-arm.stl filament: ~0.7 g/part	2	2	red	
4.	TMP01S-pant-spring.stl filament: ~0.4 g/part	1	1	silver	
5.	TMP01H-pant-head.stl filament: ~0.4 g/part	1	1	red	
6.	TMP01A-pant-set.stl filament: ~3 g/part	1	1	red	Set: includes parts 2, 3, 5 Complete pantograph set

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

File Count Summary

Model Variants

- Type 2 - high-nose version, white LEDs as lamps
  51 parts to print; filament use: ~130 g
- Type 1 - low-nose version, white LEDs as lamps
  53 parts to print; filament use: ~125 g
- Type 2 - high-nose version, 3D printed lamps
  55 parts to print; filament use: ~130 g
- Type 1 - low-nose version, 3D printed lamps
  57 parts to print; filament use: ~125 g

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

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