

# LASER PEGS®

The Ultimate Construction Toy For Kids®

**NATIONAL GEOGRAPHIC**  
**LANDMARKS & ARCHAEOLOGY**

Ages 5 +

30 Models+

ANY CREATION YOU CAN BUILD

**LIGHT UP**

CONSTRUCTION SET INCLUDES:

- 32 Laser Pegs®
- 244 Construction Parts
- 3-D Lite Board®
- Instruction Manual

Requires 3-AA Batteries

Batteries NOT Included

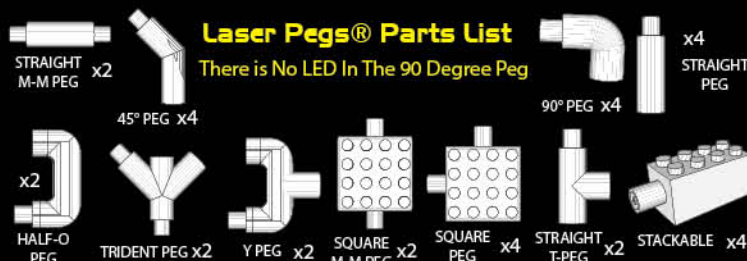
Compatible with other construction kits

EN71, RoHS COMPLIANT

This product complies to all safety requirements of ASTM F 963

## MODEL INSTRUCTIONS

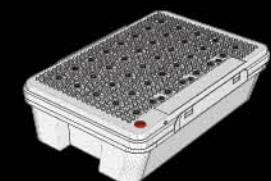
All additional model instructions can be downloaded at [www.LaserPegs.com](http://www.LaserPegs.com)



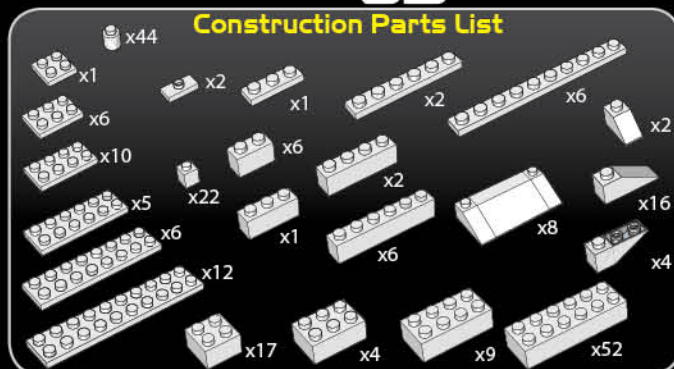
**Color Code** Each Laser Peg® is color coded on the circuit board inside each shape. There is No LED In The 90 Degree Peg.



Laser Pegs® link that allows you to connect to other construction kits.



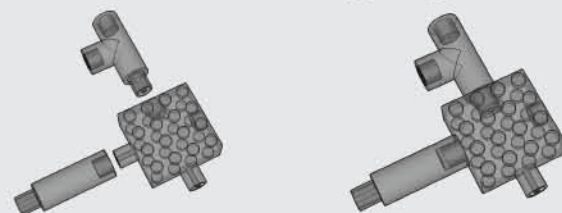
3D LITE BOARD®



[www.LaserPegs.com](http://www.LaserPegs.com)

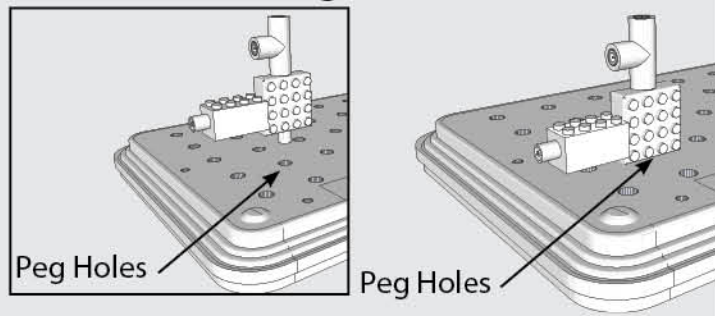
This manual is copyright and cannot be reproduced or used online without Laser Pegs® Ventures LLC permission. © Copyright 2014. All Rights Reserved US Patent #7,731,558 Additional Global & Multiple Patents Pending. Laser Pegs® Ventures LLC. 8304 Consumer Ct Sarasota FL. 34240. Contact: Support@LaserPegs.com

## Connecting Pegs



To construct with Laser Pegs®, slide two pieces together to form a connection. Slide each piece on and off smoothly. The 90° Pegs are essential to construction but they DO NOT LIGHT UP.

## Connect Laser Pegs® to 3D Lite Board®

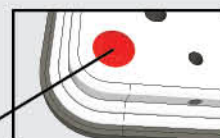


## Press button to turn on/off

Push button to cycle through 4 different light settings. SOUND/ON/FLASH/FLASH FASTER

**WARNING: STROBE LIGHTS MAY CAUSE SEIZURES**

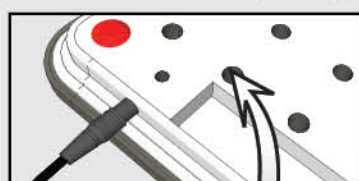
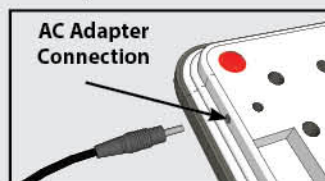
Power Button



## Connecting an AC Adapter

Plug AC Adapter Plug into the SIDE of the 3D Lite Board®.

\*AC Adapter sold separately.



Remove all batteries from Laser Pegs® 3D Lite Board® power base before using 5-volt AC adapter.

\*To avoid short-circuits, keep metal objects and other unauthorized materials from obstructing the peg holes.

Never connect more than 200 Laser Pegs® when using a 5-volt (2000mA) AC Adapter.

The AC Adapter and the 3D Lite Board® are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

## Battery Compartment

Batteries NOT Included

Battery Compartment Requires (3AA) Batteries

Place batteries in the correct position when using.

## Replacing Batteries

1. Remove the three (3) screws and the Battery Compartment Cover.
2. Place three AA batteries in the correct position - as displayed inside the 3D Lite Board®. Batteries are to be inserted with the correct polarity.
3. Replace the three (3) screws and the Battery Compartment Cover.
4. Push RED button to turn on!
5. Do not mix old and new batteries.
6. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium, NiMH) batteries!
7. Exhausted batteries are to be removed from the power base.
8. Never connect more than 200 Laser Pegs®
9. Non-rechargeable batteries are not to be recharged.
10. Rechargeable batteries are only to be recharged under adult supervision.
11. Rechargeable batteries are to be removed from the toy before being recharged.
12. The supply terminals are not to be short-circuited.
13. Batteries should be recycled or disposed of as per state and local guidelines.
14. DO NOT THROW BATTERIES INTO FIRE!

## Power Button

4 light settings.

Press power button to change light setting.

SOUND/ON/FLASH/FLASH FASTER

## 3D Lite Board®

## Peg Holes

Construction Kit Compatible Studs

## AC Adapter

INPUT is on the SIDE of 3D Lite Board®.

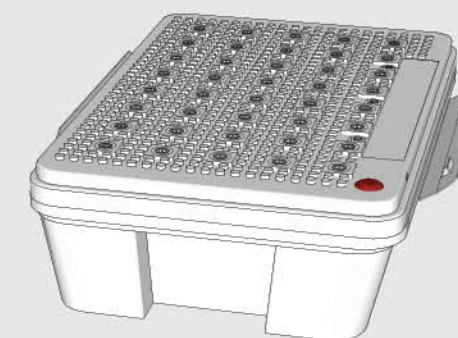
## Battery Compartment

Requires (3AA) Batteries

### Environmental Phenomena

\* The unit may malfunction if subjected to radio-frequency interference. It SHOULD revert to normal operation when the interference stops. If not, it may become necessary to turn the power off and back on, or remove and reinstall the batteries.

\* In the unlikely event of an electrostatic discharge, the unit may malfunction and lose memory, requiring the user to reset the device by removing and reinstalling the batteries.



## Tote Box

Designed for storage of Laser Pegs® parts.

Remove the three Phillips head screws with a 4mm screw driver.

## Battery Compartment Cover

DO NOT SUBMERGE IN WATER

**WARNING!** Each Laser Peg® draws current from the batteries. Therefore, the more pegs you use, the quicker you will deplete your battery power! As the power weakens, the current will slowly fall and some Laser Pegs® will illuminate (typically the reds and yellows) and some won't. When the Laser Pegs® dim the Laser Pegs® are not broken, they just need stronger batteries or an AC Adapter. You have 3 simple options...

1. Use a 5-volt AC Adapter--available from [www.LaserPegs.com](http://www.LaserPegs.com)
2. Change the batteries.
3. Use high quality batteries. They will last a little longer, but they will still deplete rapidly the more laser pegs you connect!



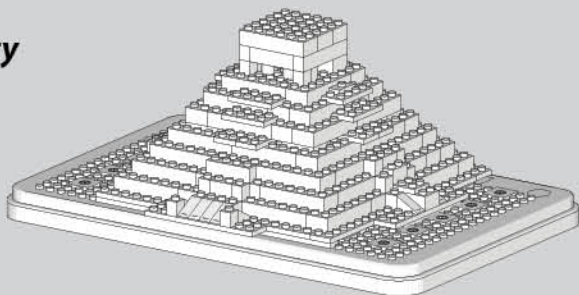
CHICHÉN ITZÁ: Located on Mexico's Yucatán Peninsula, this ruined city was founded by the Maya people in the sixth century A.D. Containing a variety of awe-inspiring stepped pyramids, temples, columned arcades and other stone structures, it has been named one of the Seven Wonders of the New World.



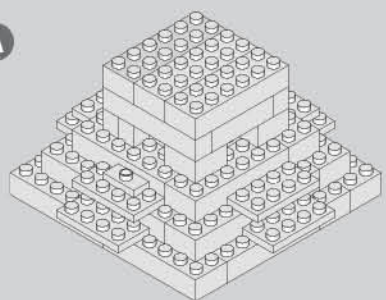
# CHICHÉN ITZÁ

Model  
Difficulty  
Level

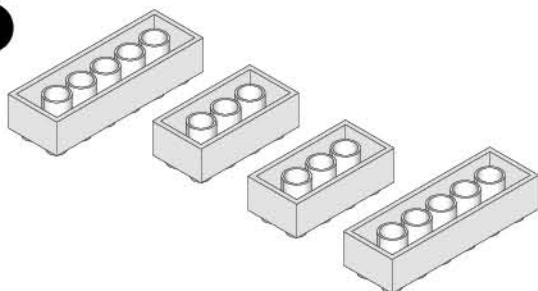
5



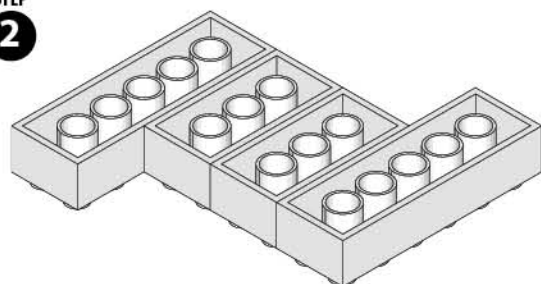
A



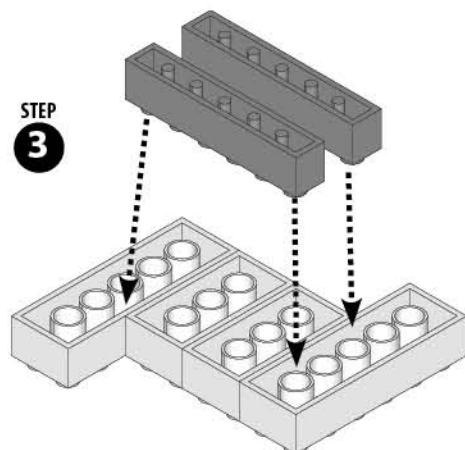
STEP  
1



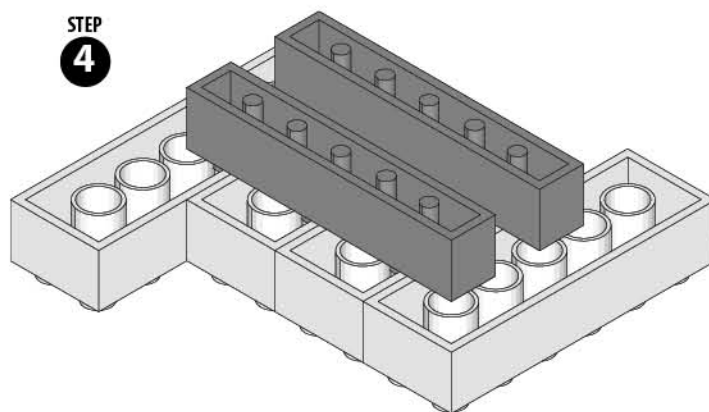
STEP  
2



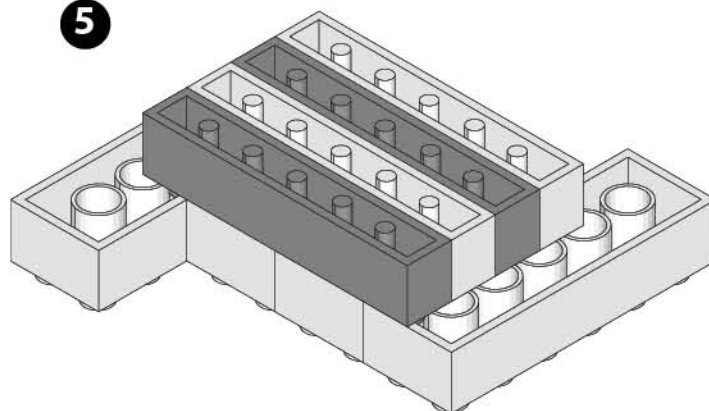
STEP  
3



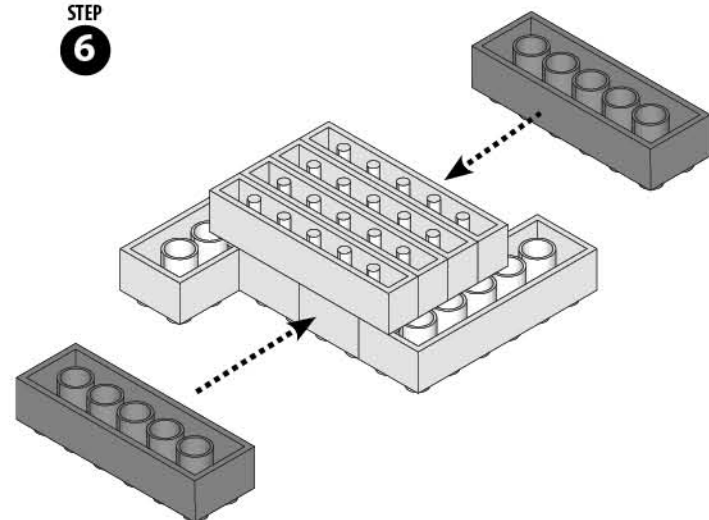
STEP  
4



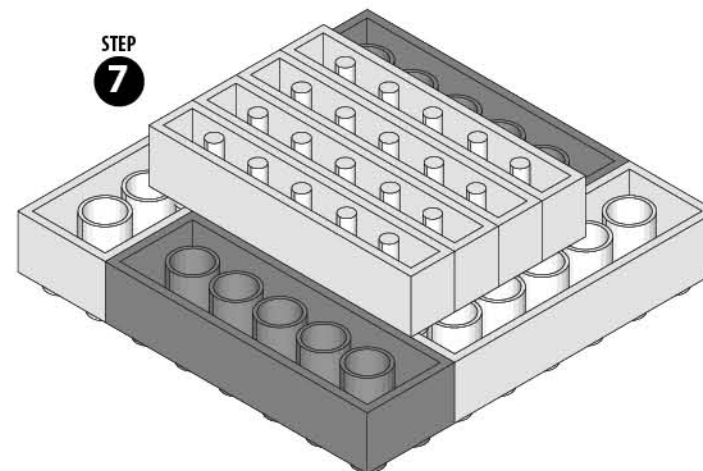
STEP  
5



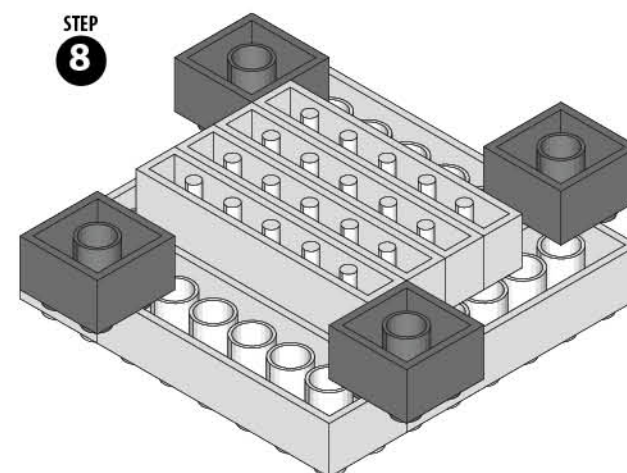
STEP  
6



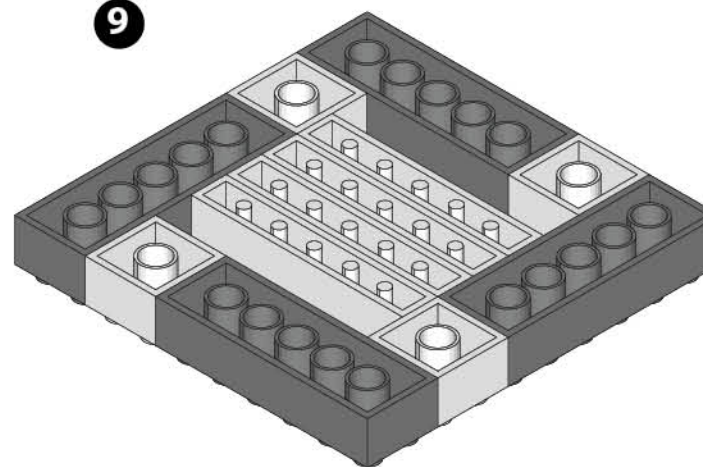
STEP  
7



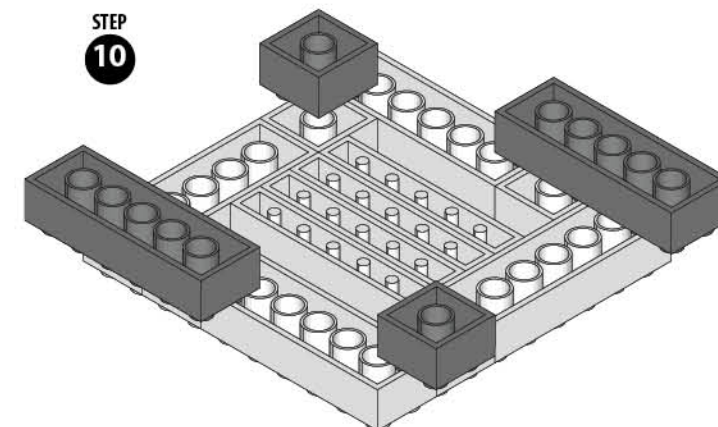
STEP  
8



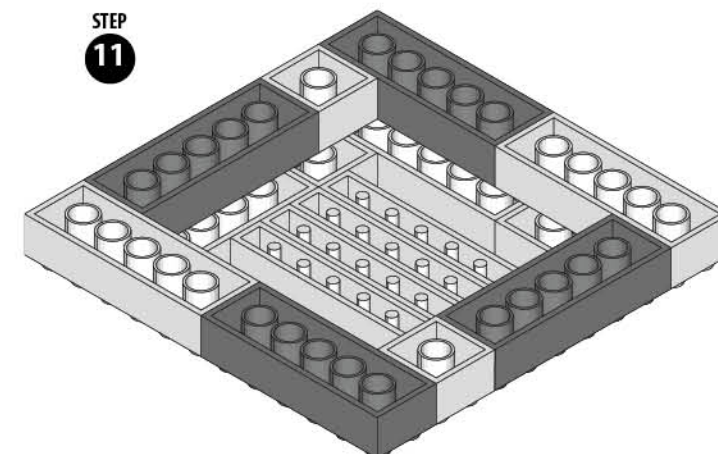
STEP  
9



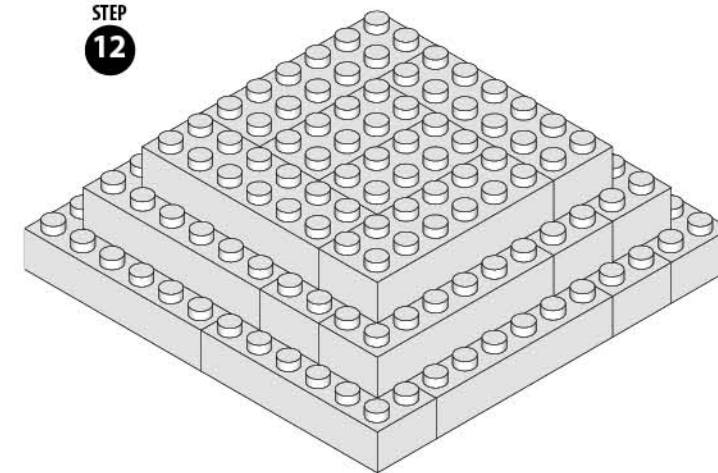
STEP  
10



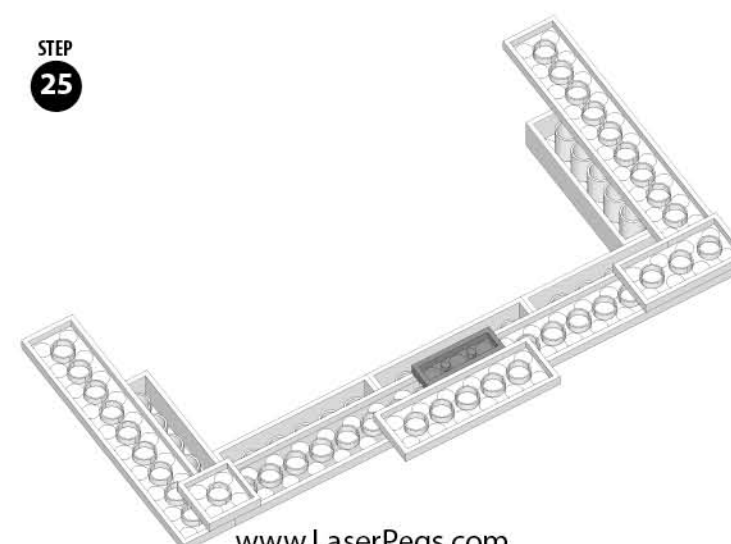
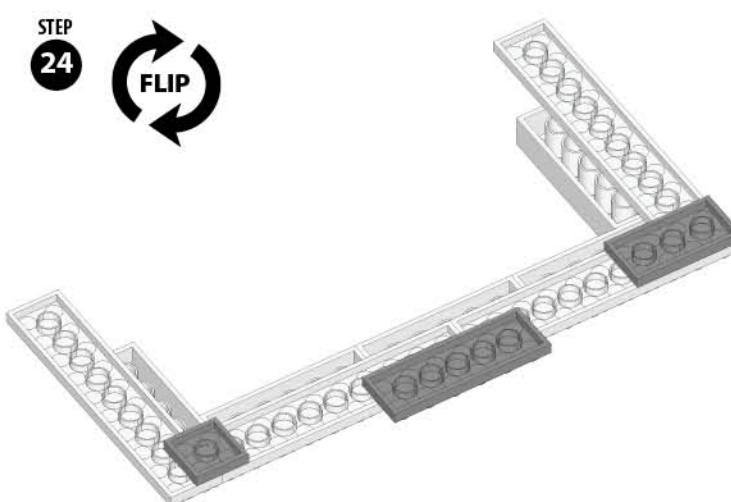
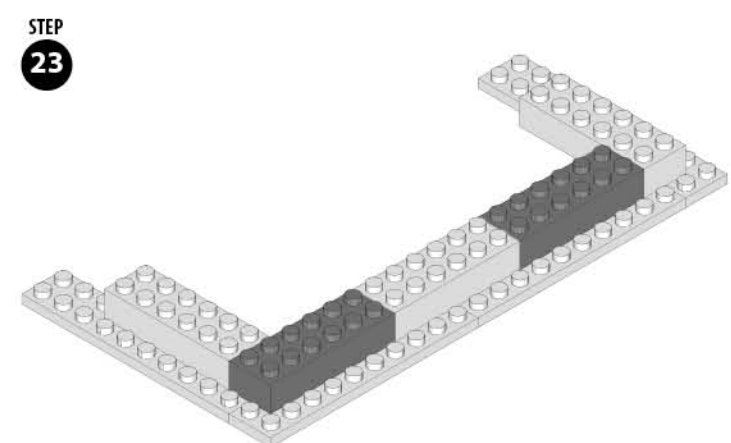
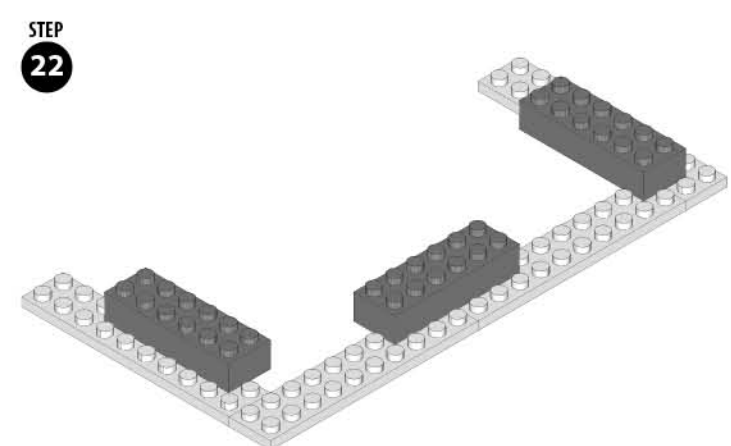
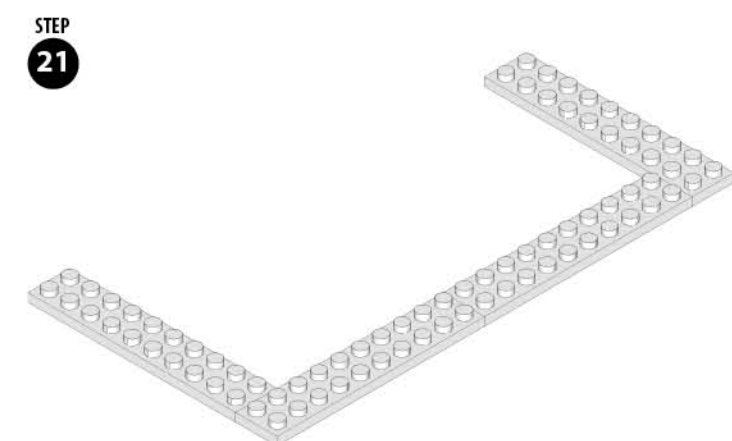
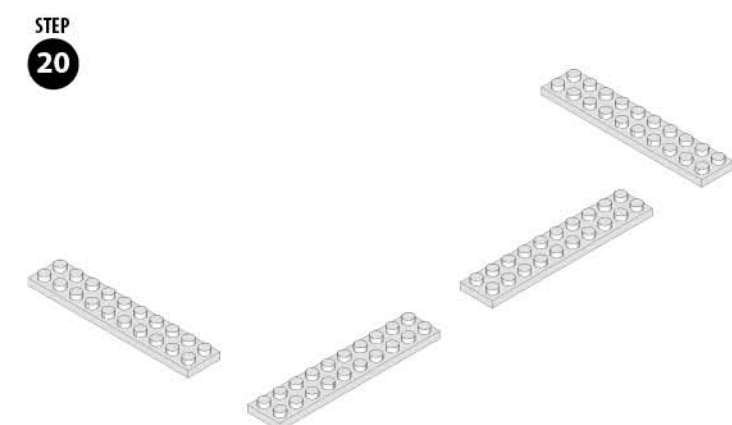
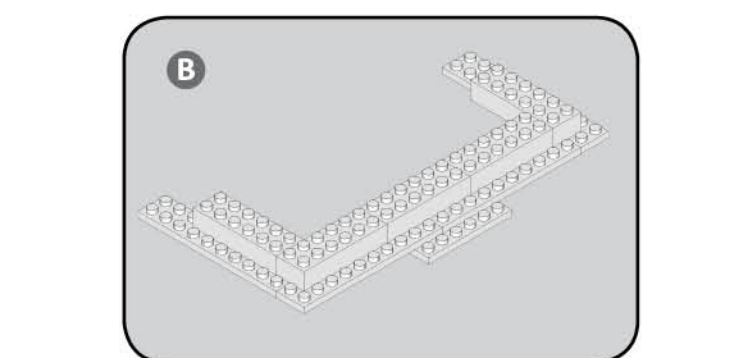
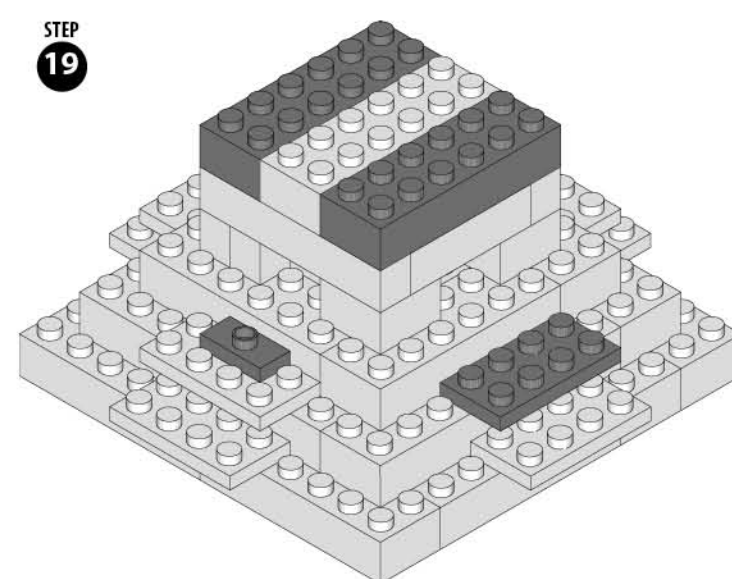
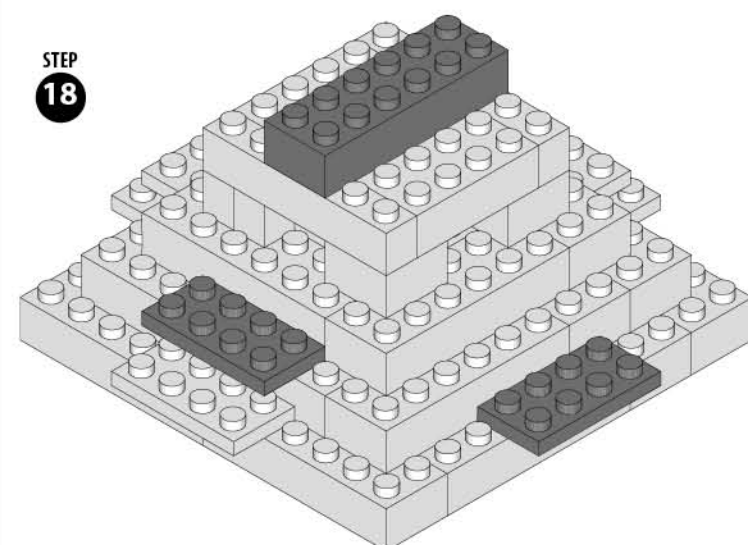
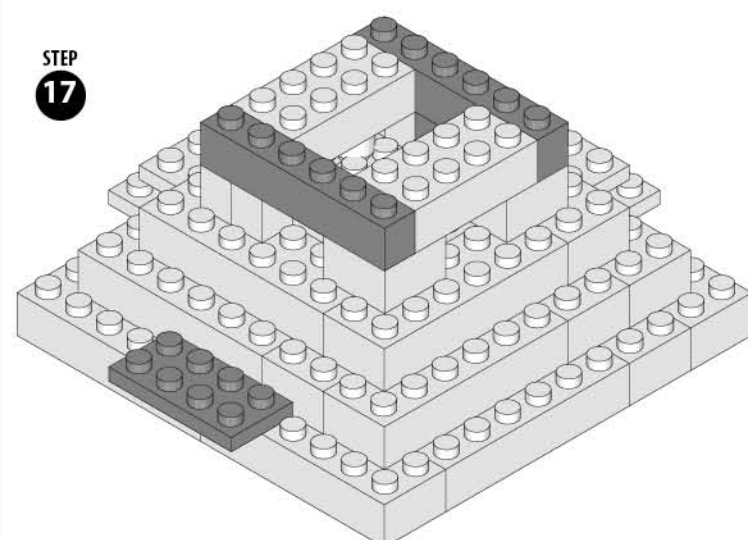
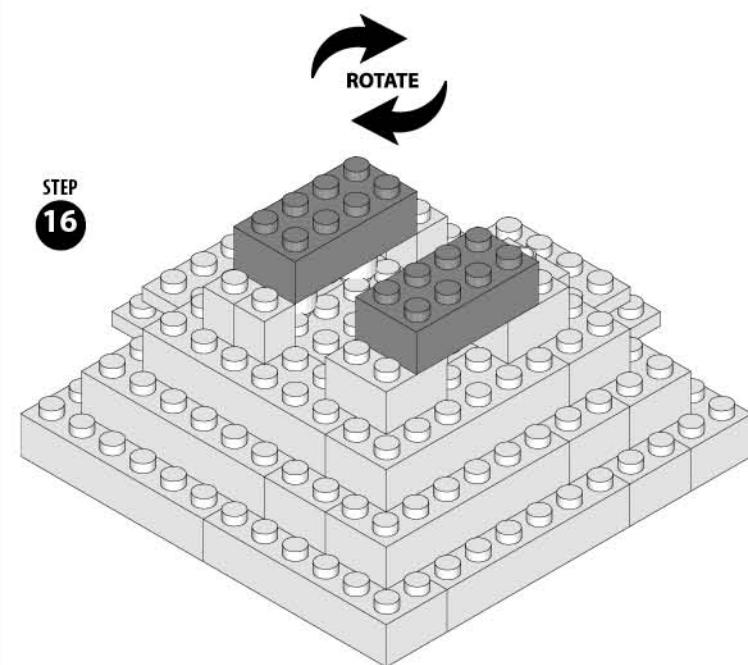
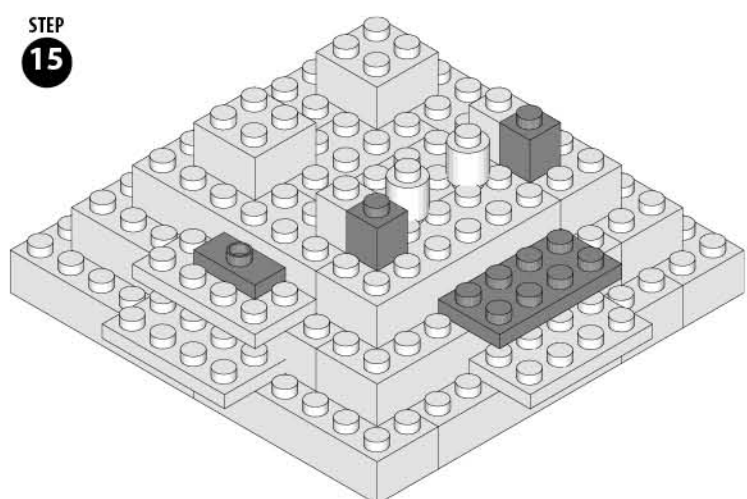
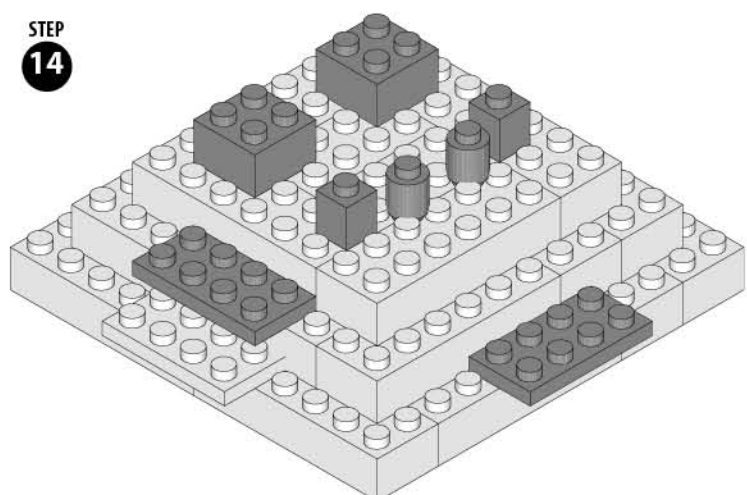
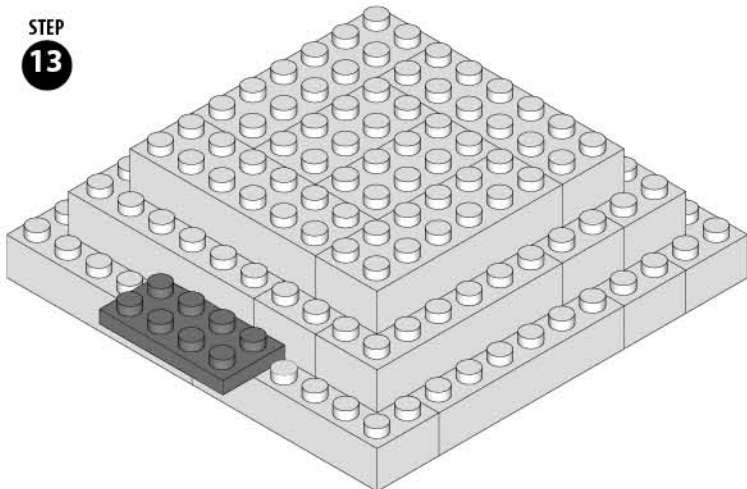
STEP  
11



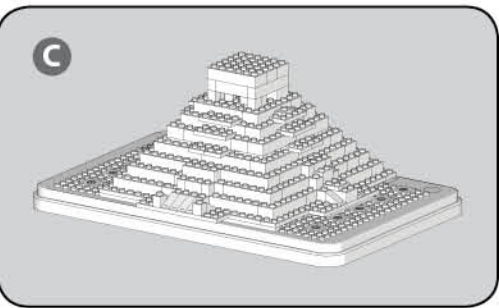
STEP  
12



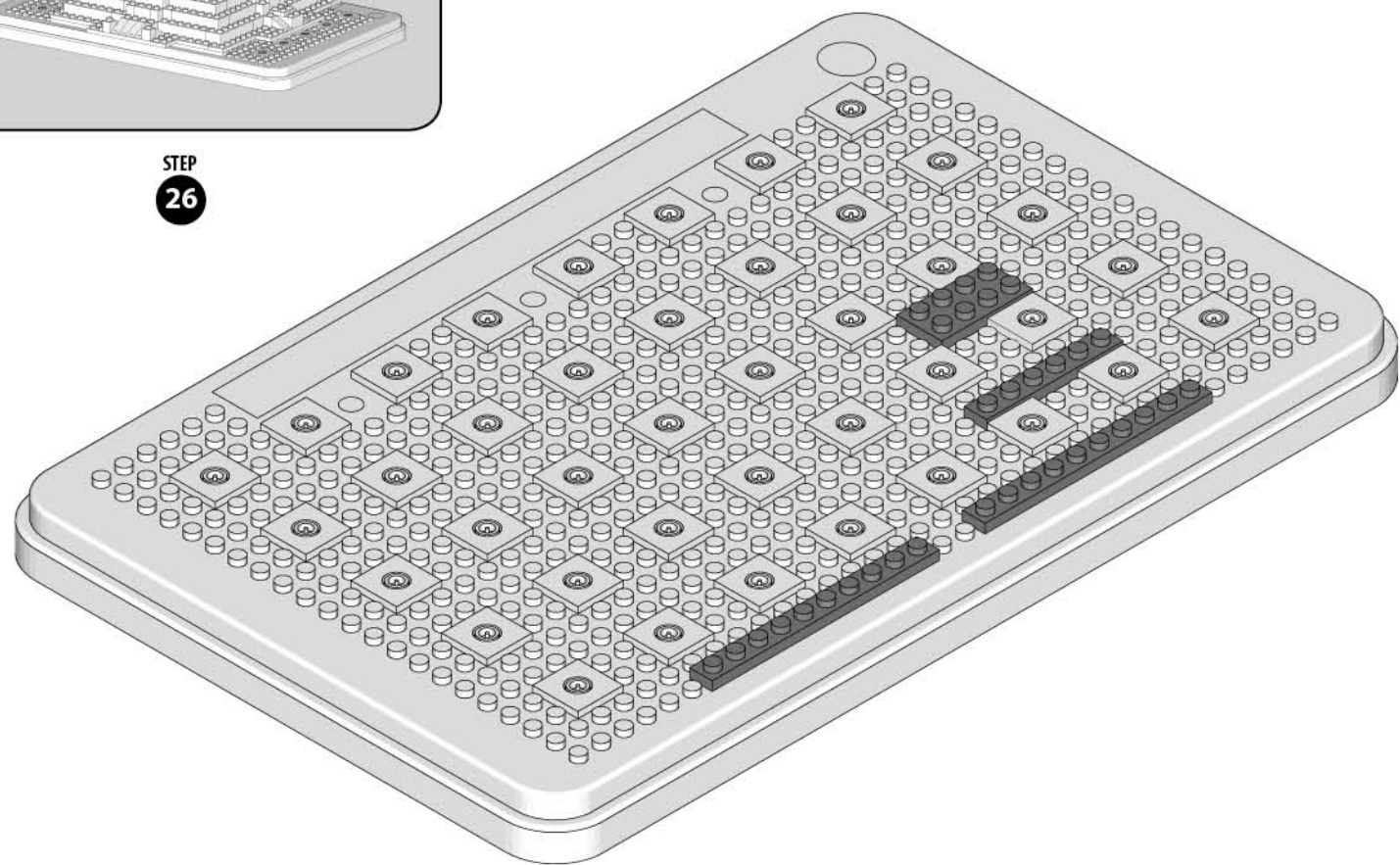




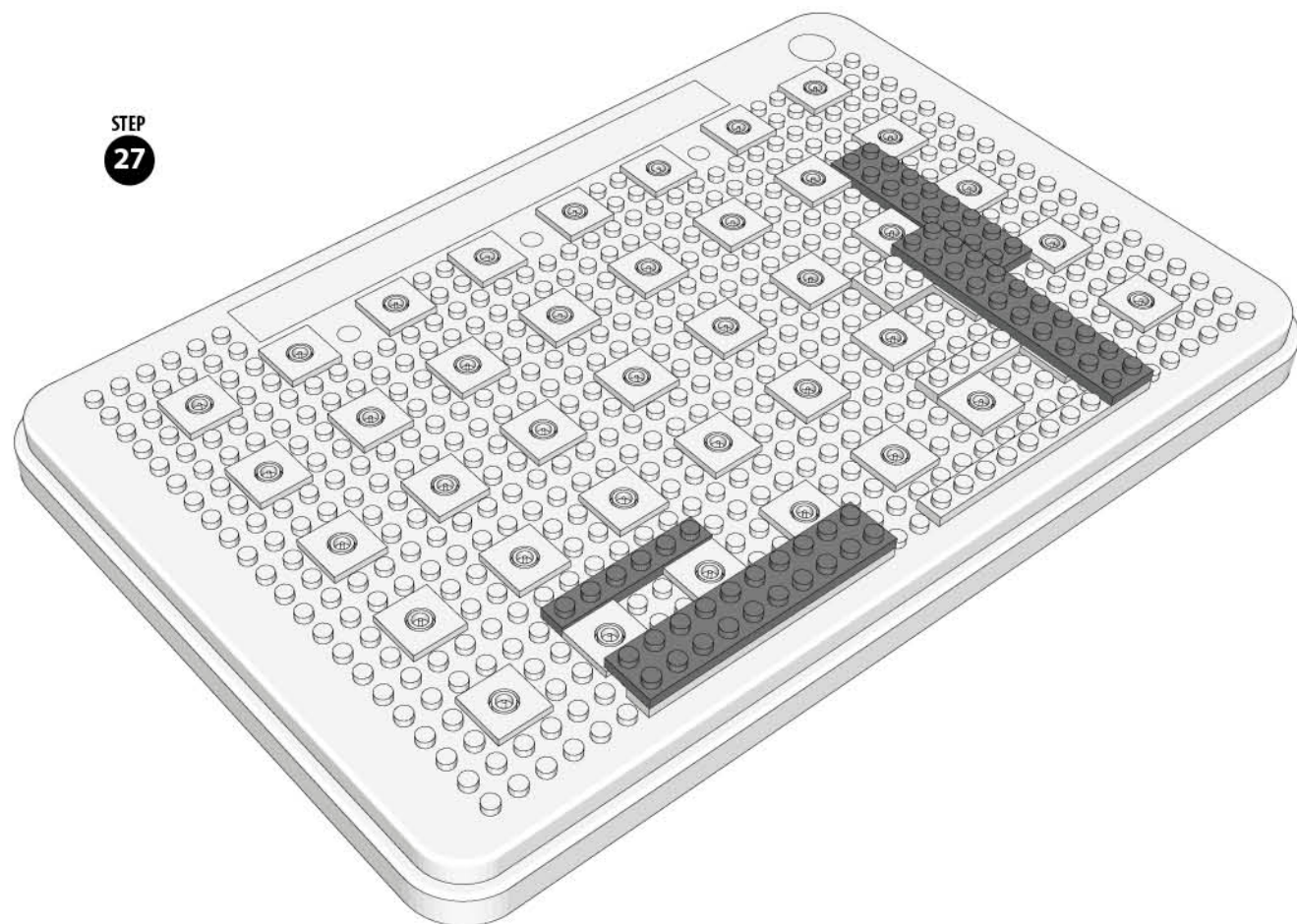




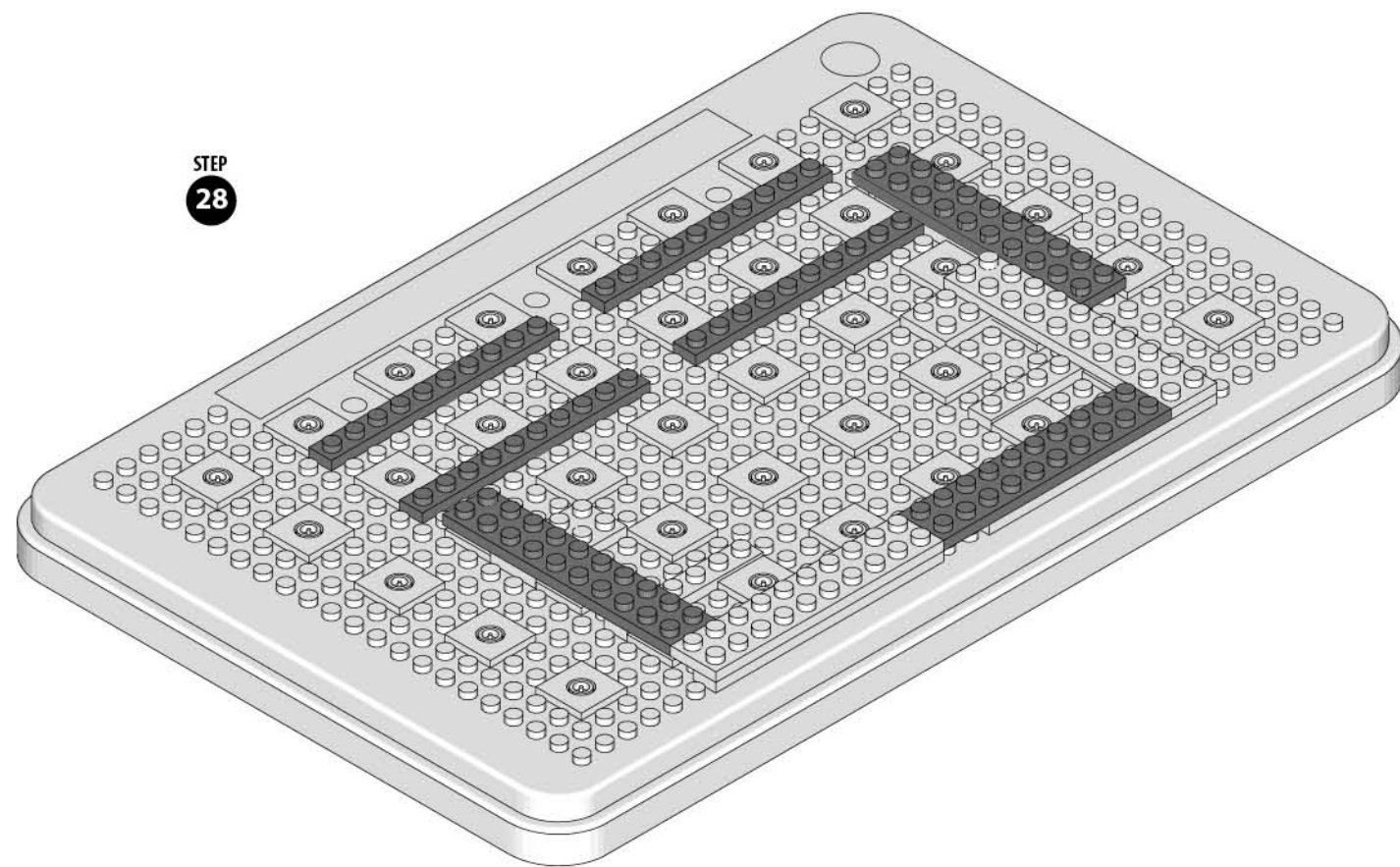
STEP  
26



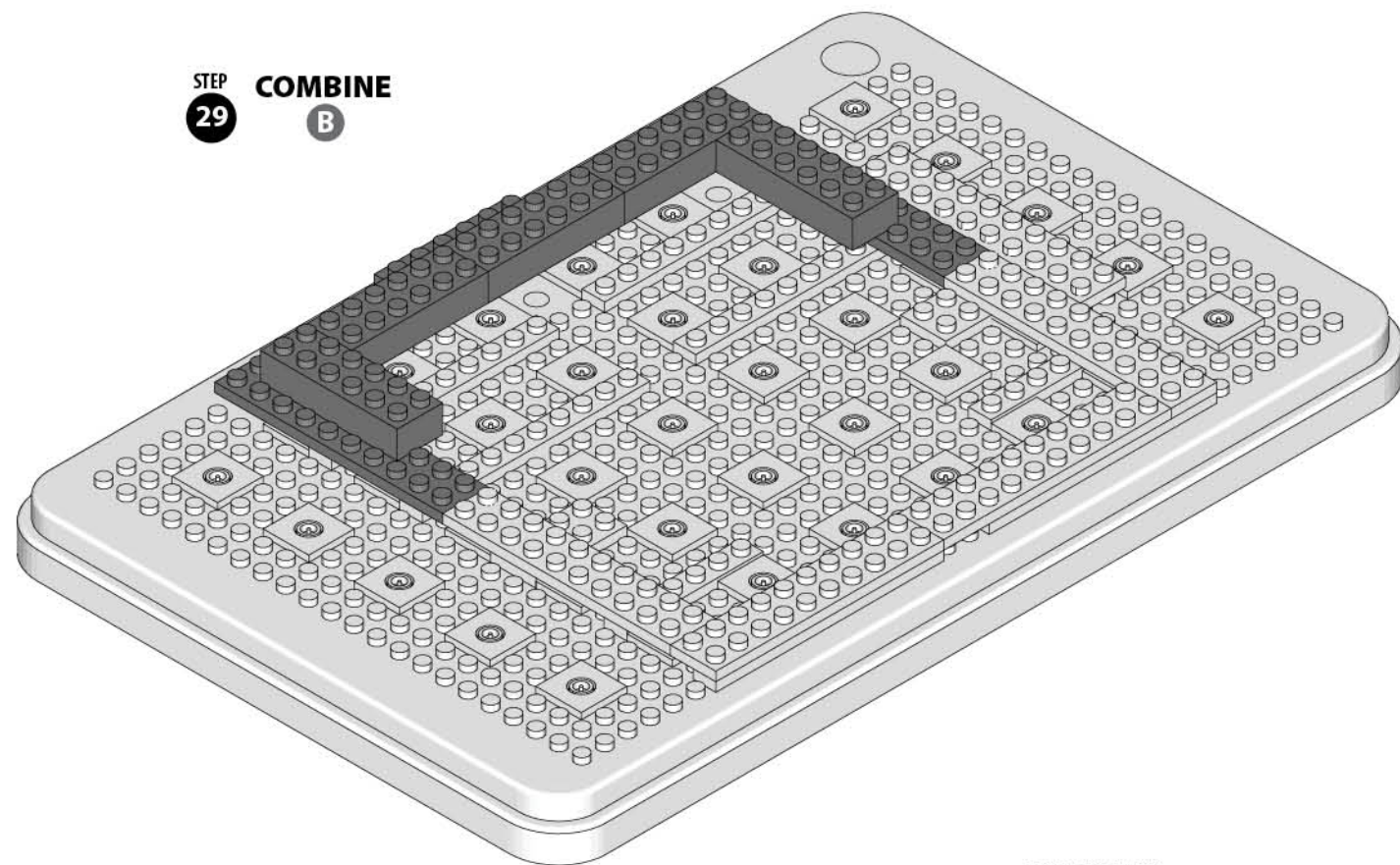
STEP  
27



STEP  
28

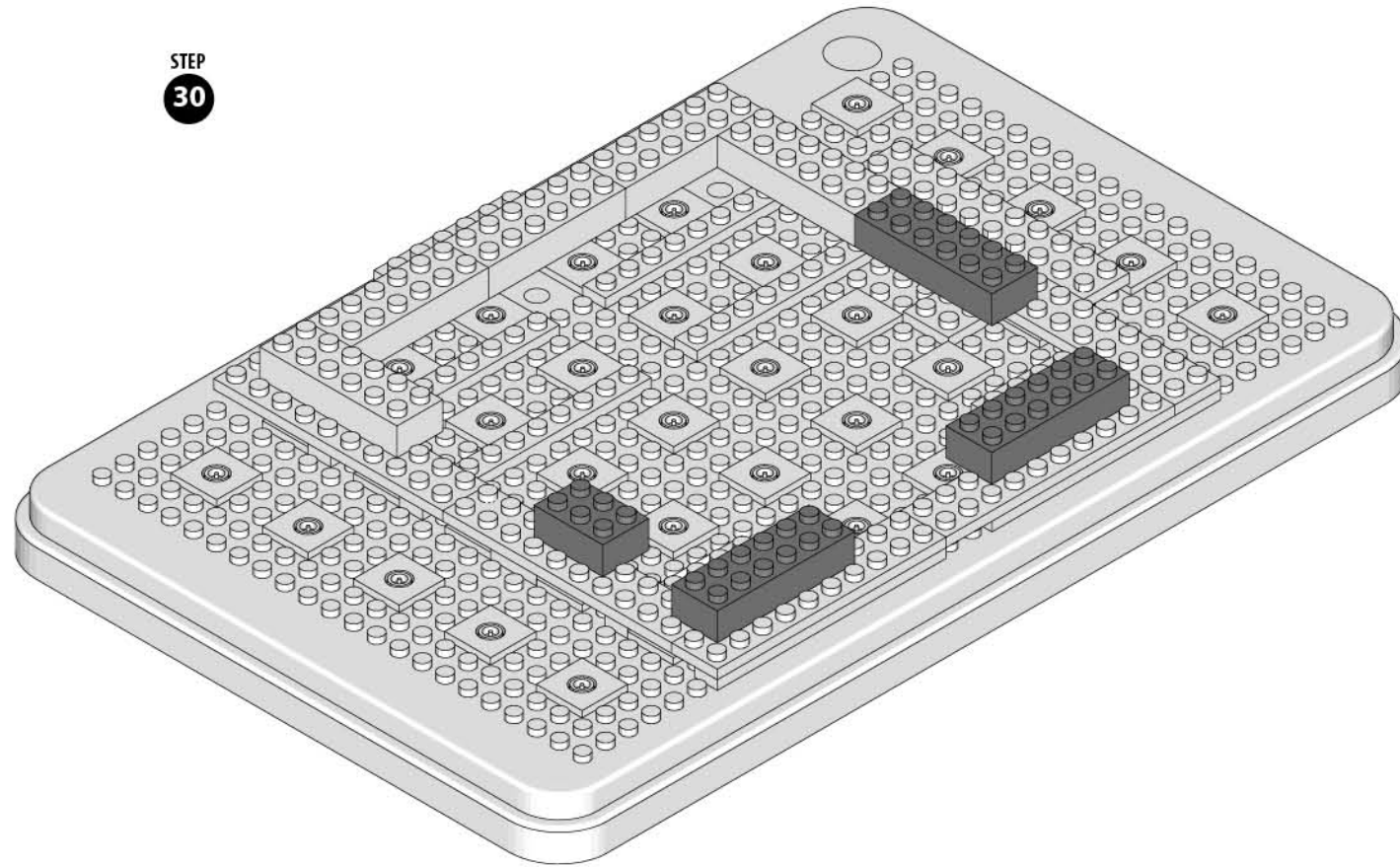


STEP  
29 **COMBINE**  
**B**

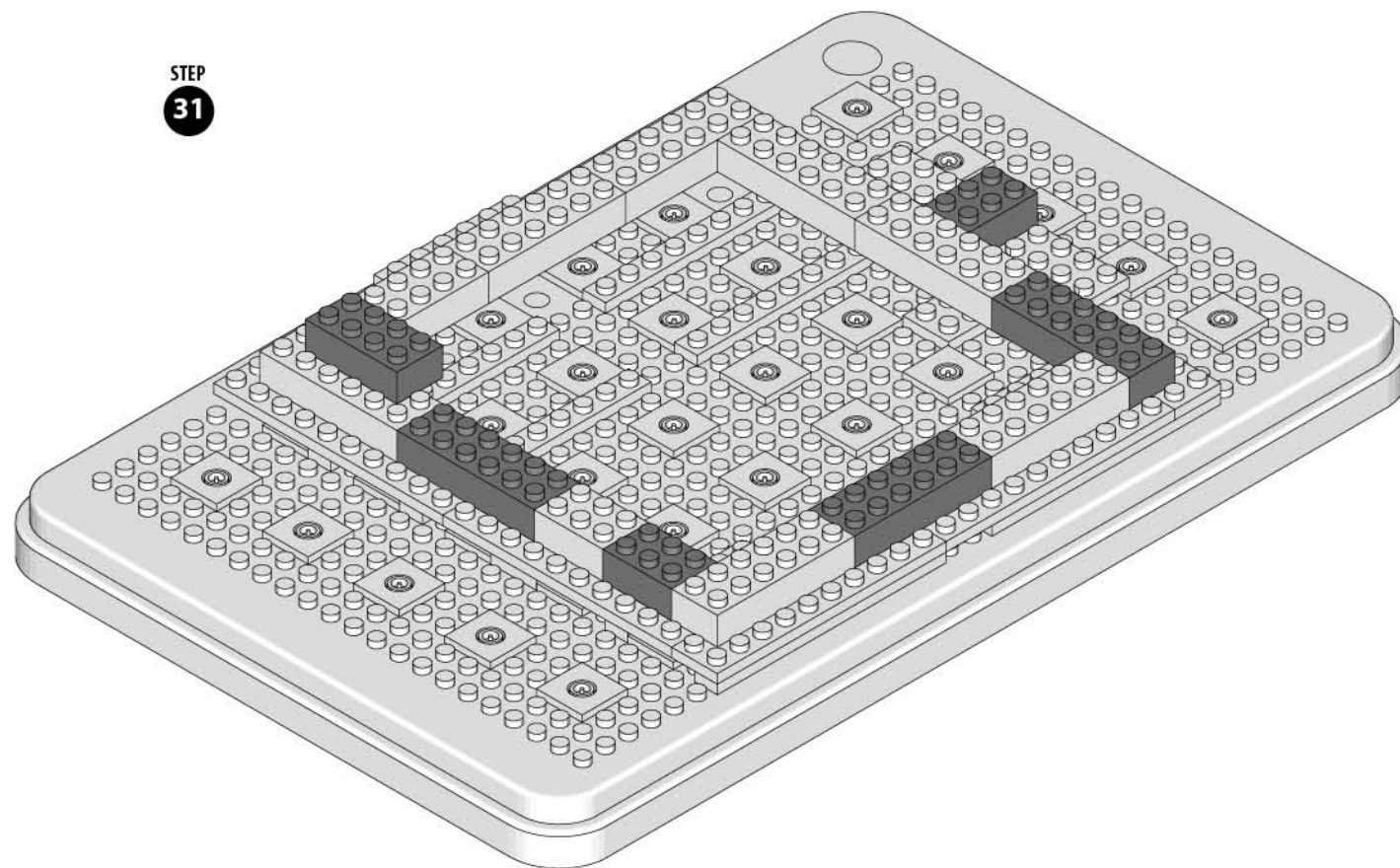




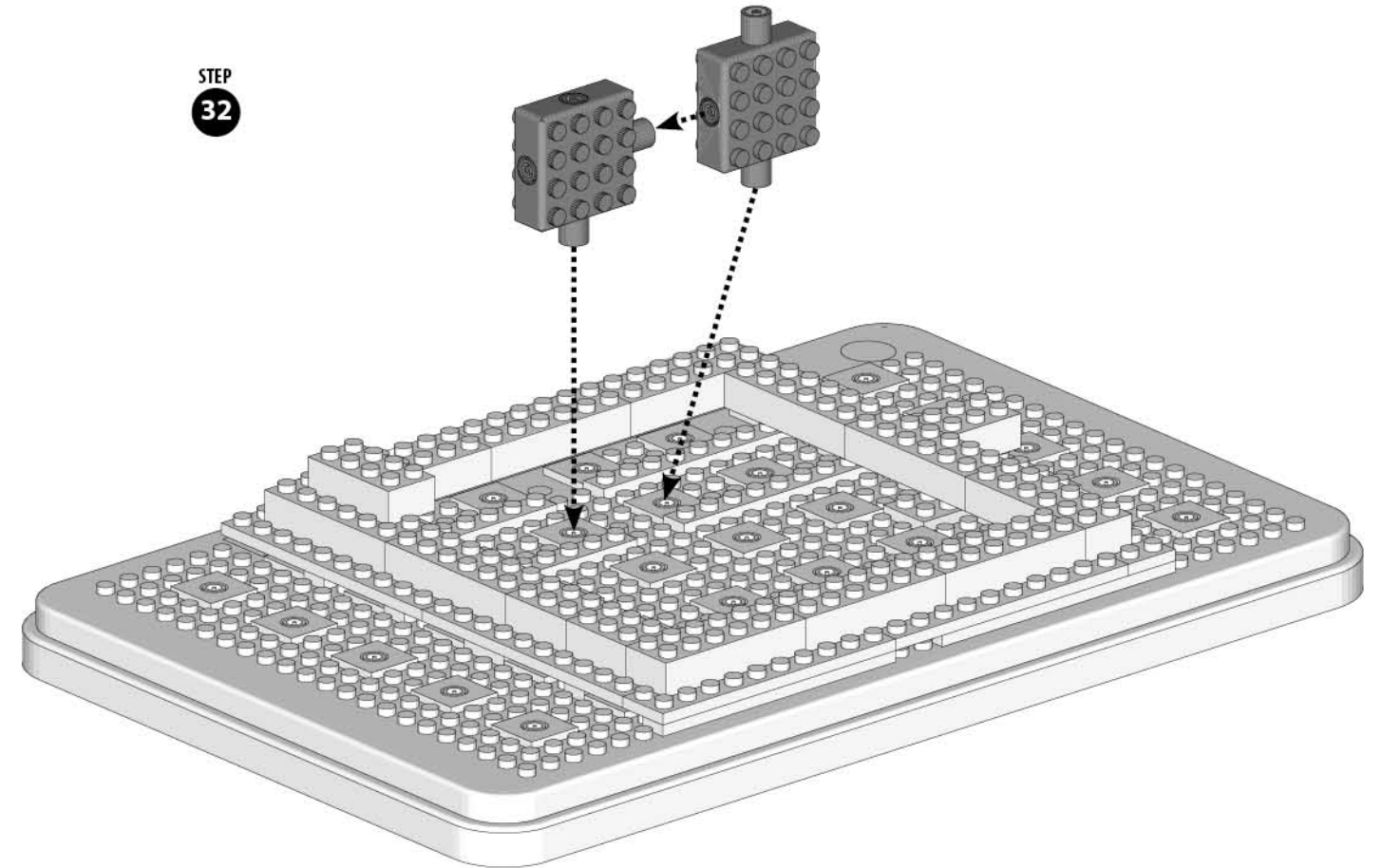
**STEP**  
**30**



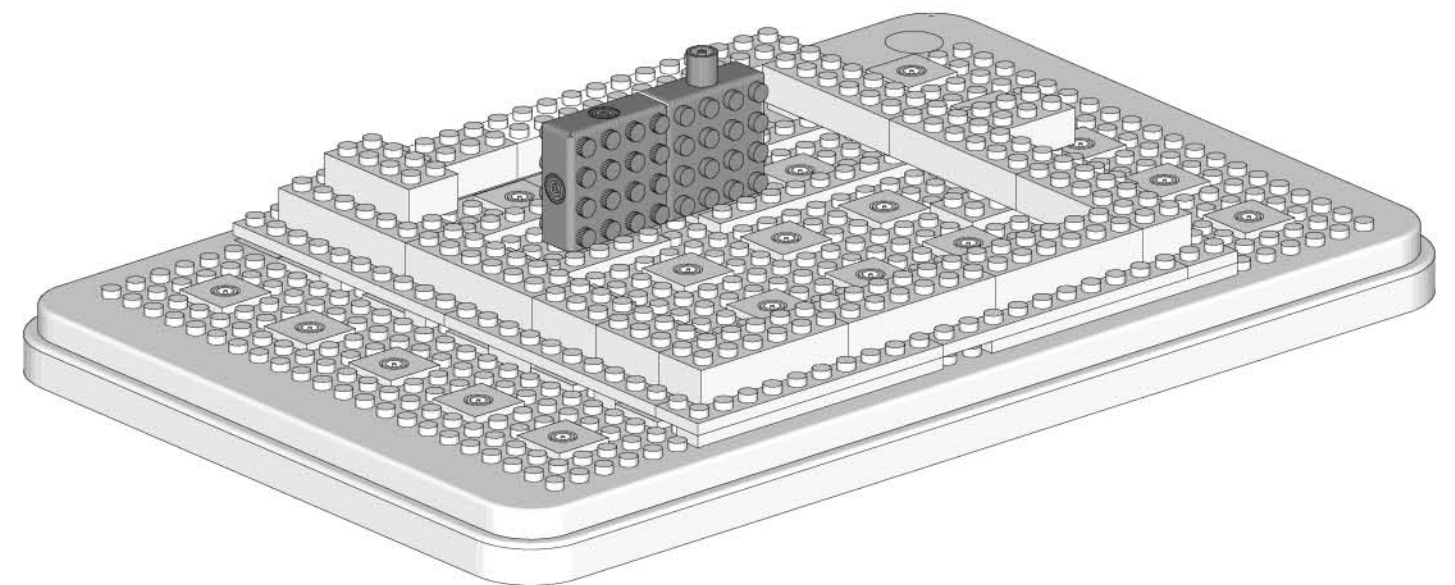
STEP  
31



STEP  
32

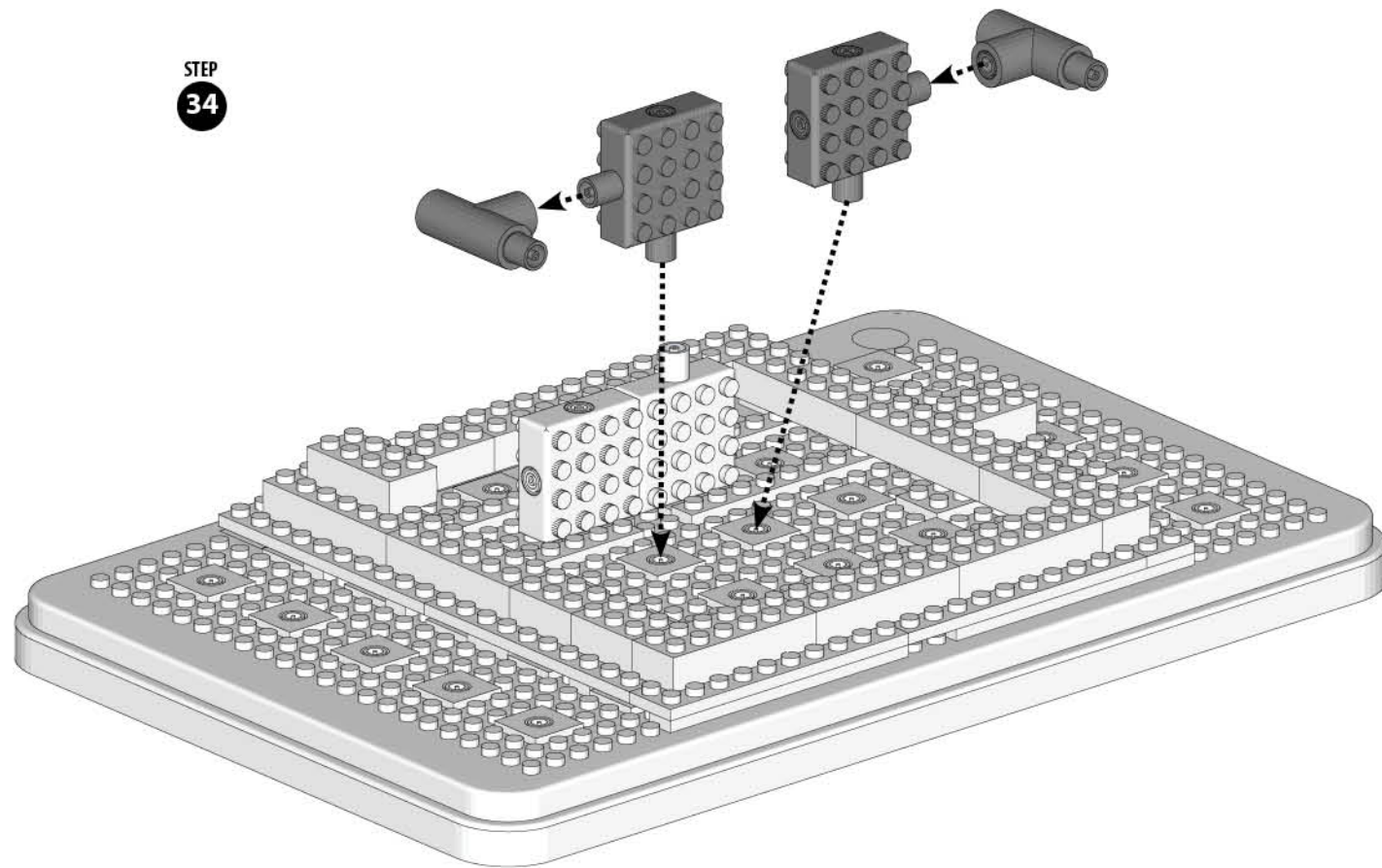


STEP  
33

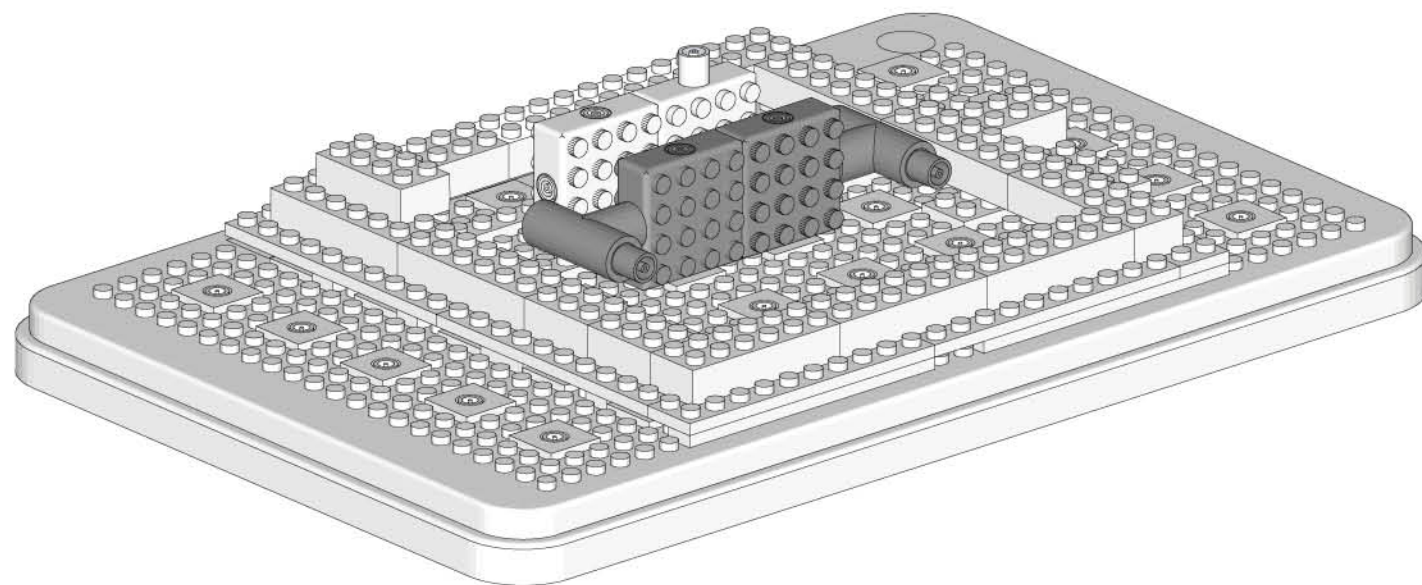




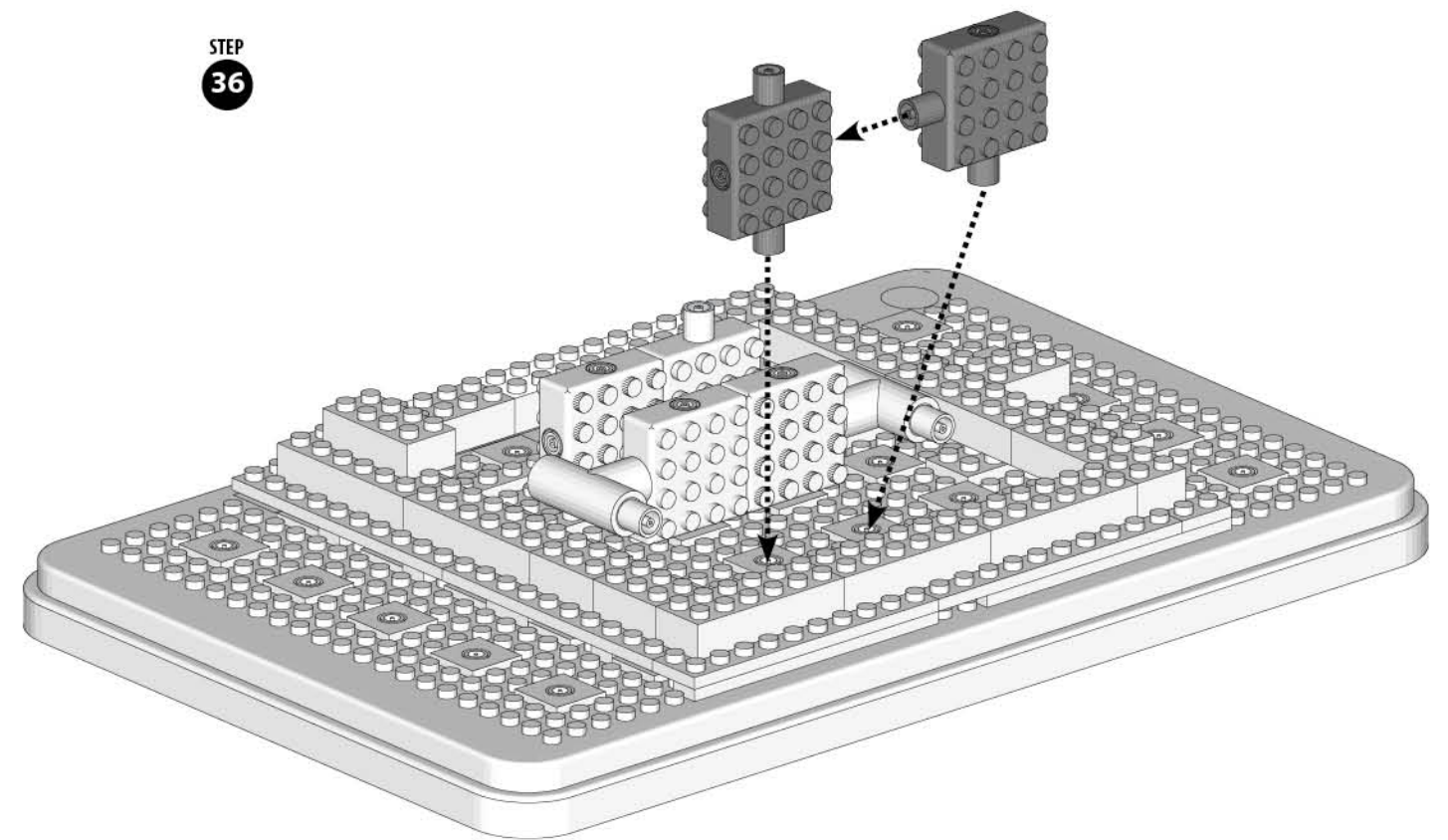
STEP  
34



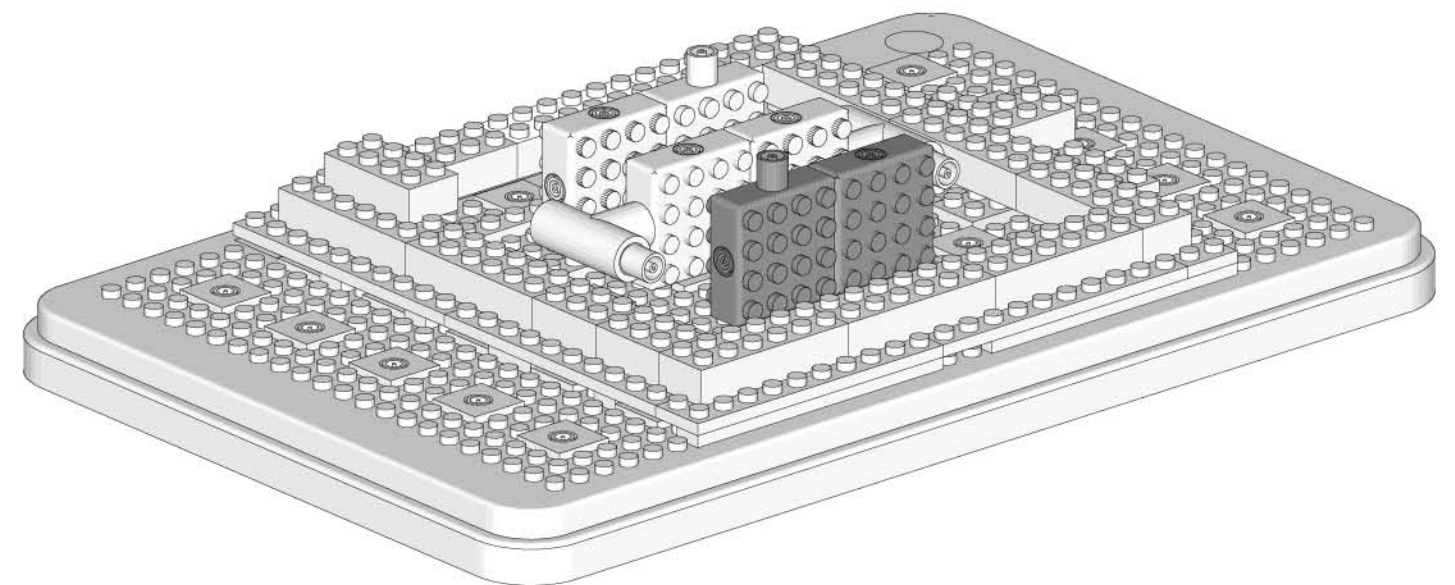
STEP  
35



STEP  
36



STEP  
37



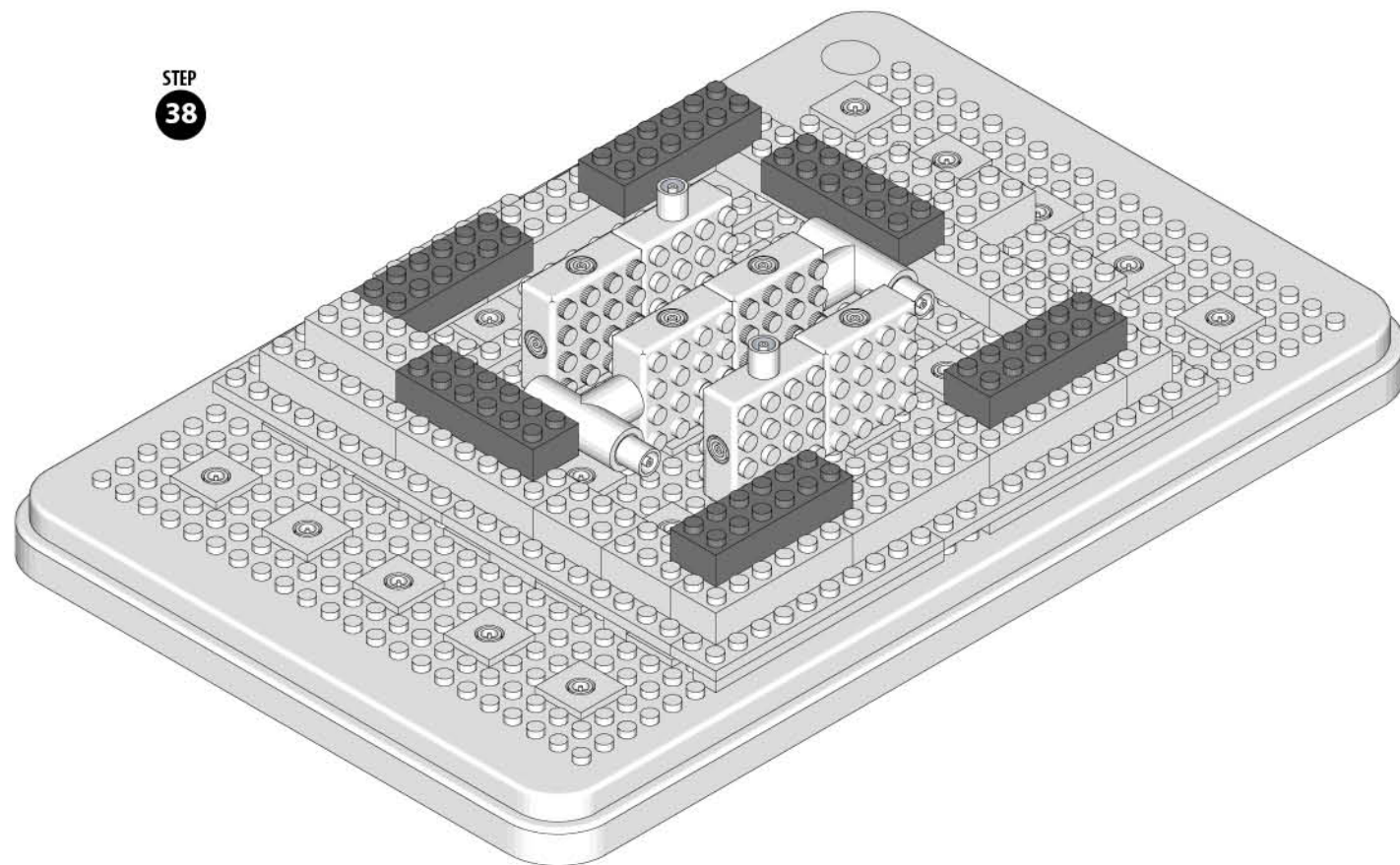
MADE IN CHINA

[www.LaserPegs.com](http://www.LaserPegs.com)

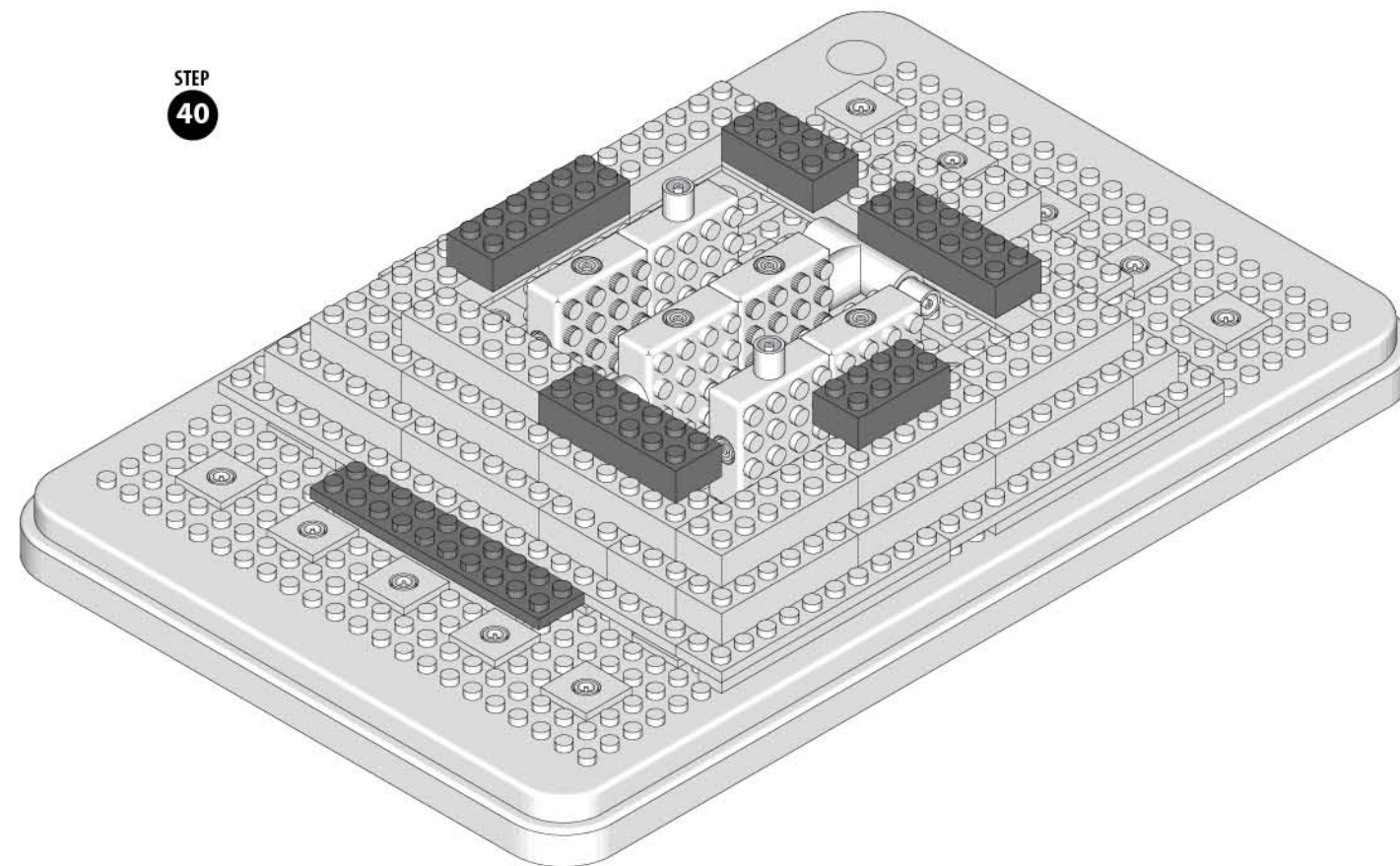
Copyright 2014 © All Rights Reserved Global & Multiple Patents Pending.  
US Patent #7,731,558



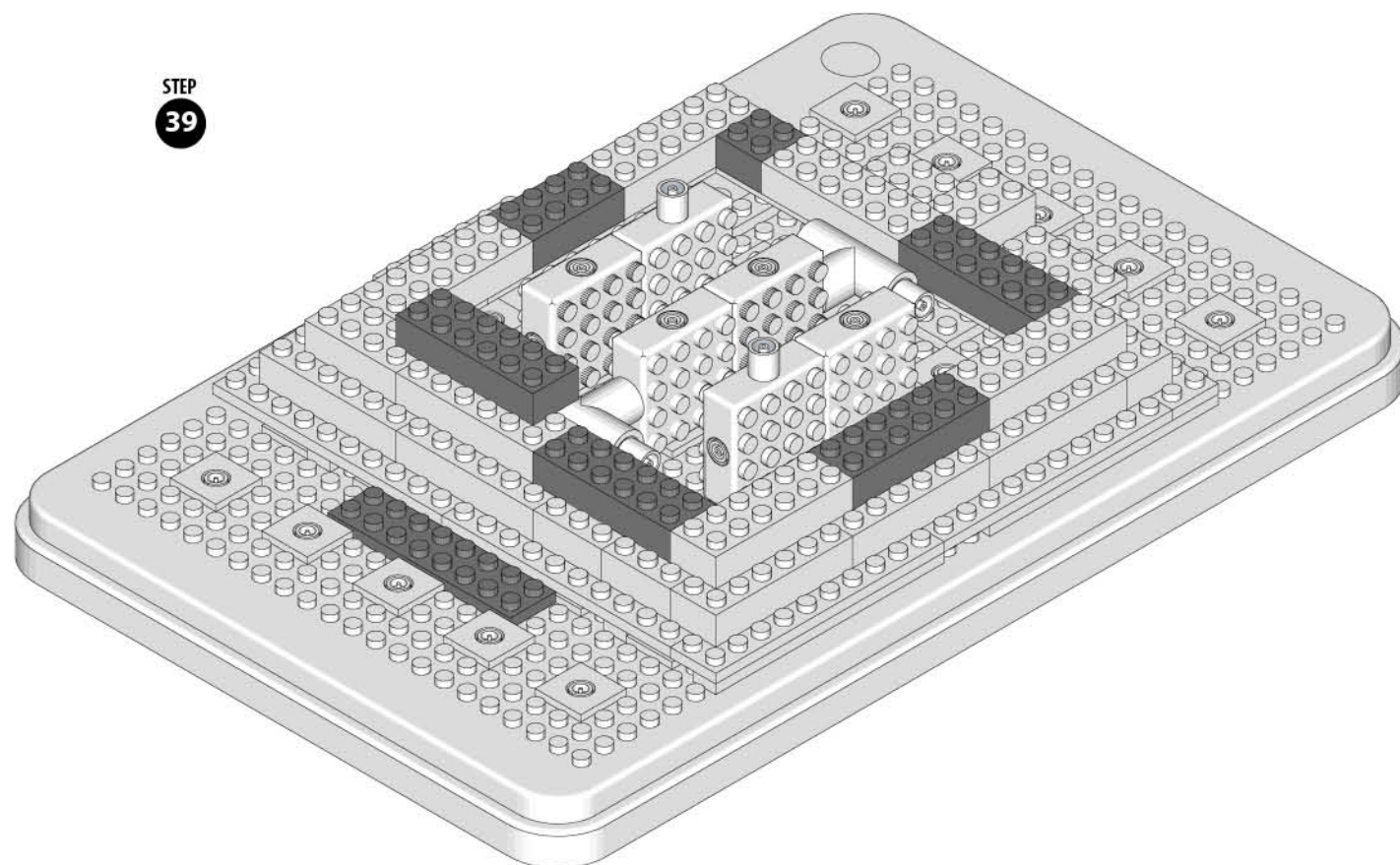
STEP  
38



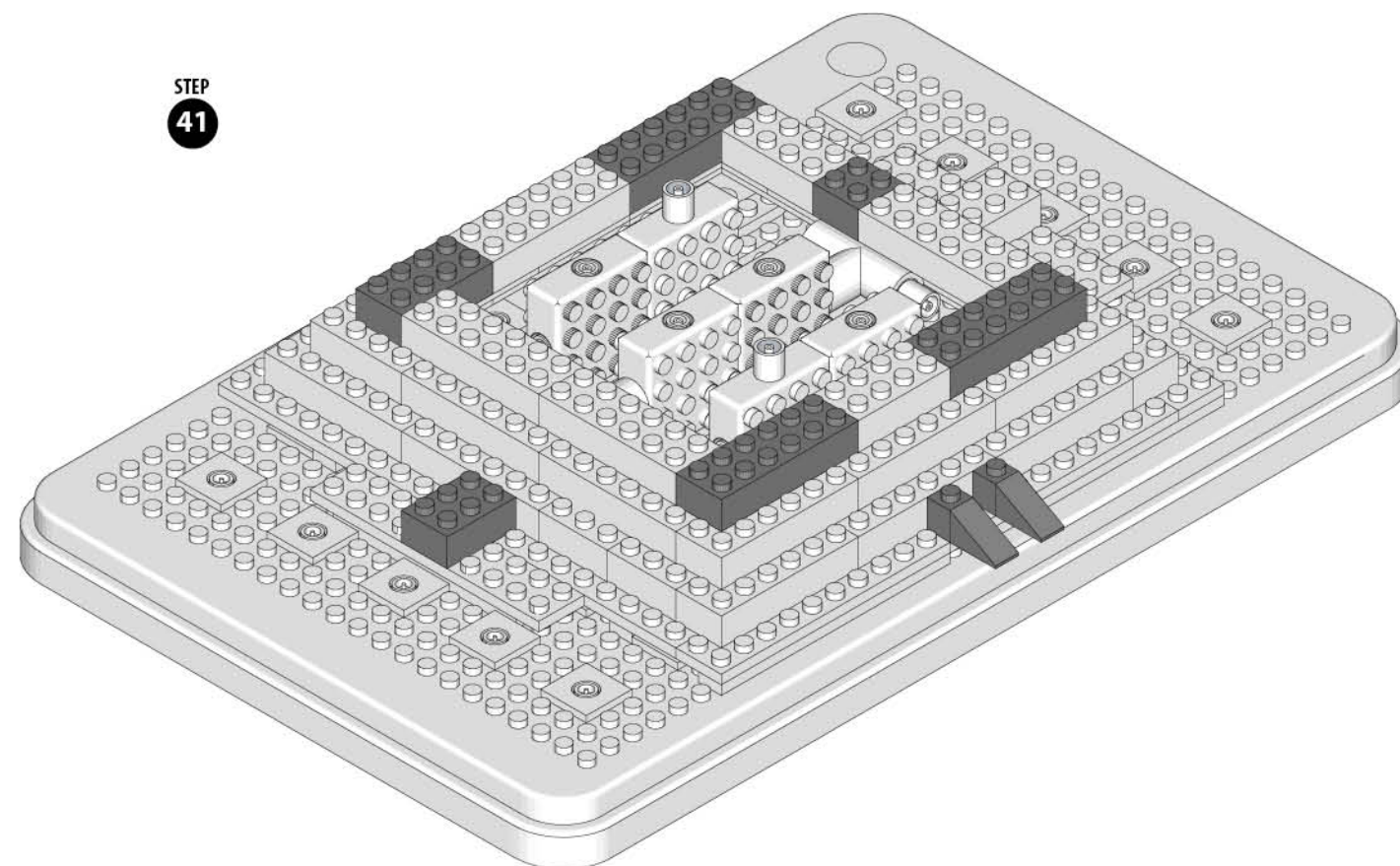
STEP  
40



STEP  
39

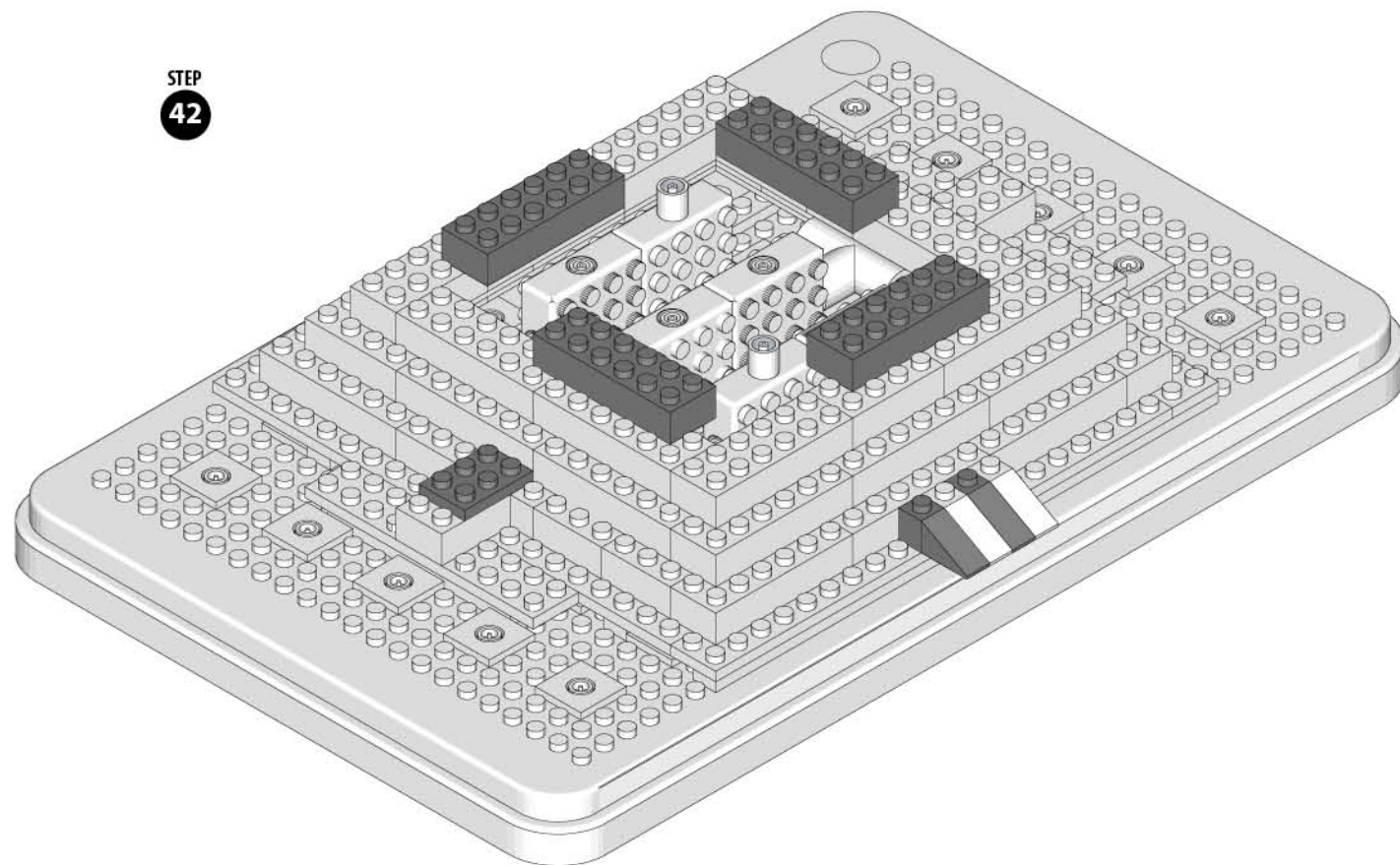


STEP  
41

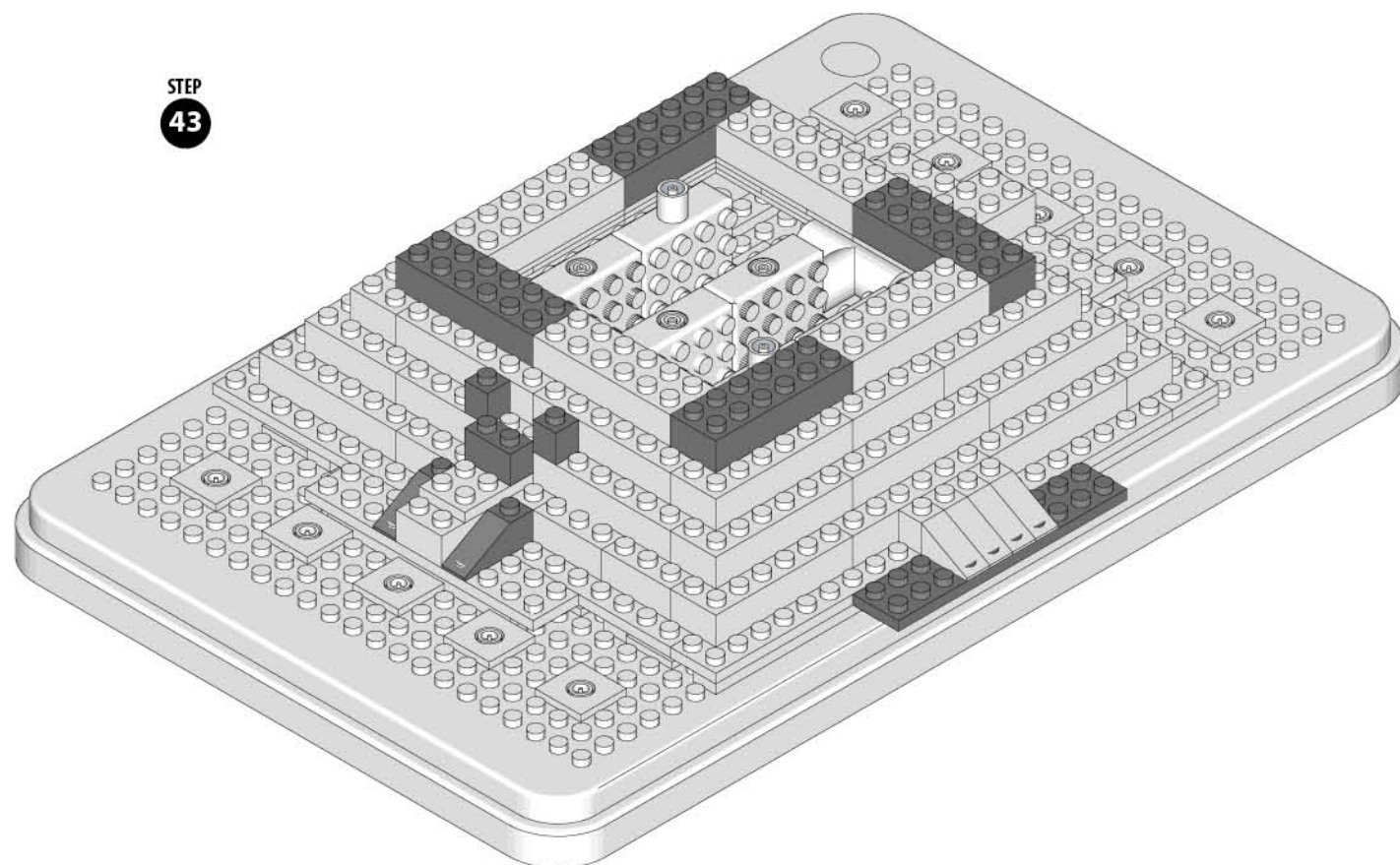




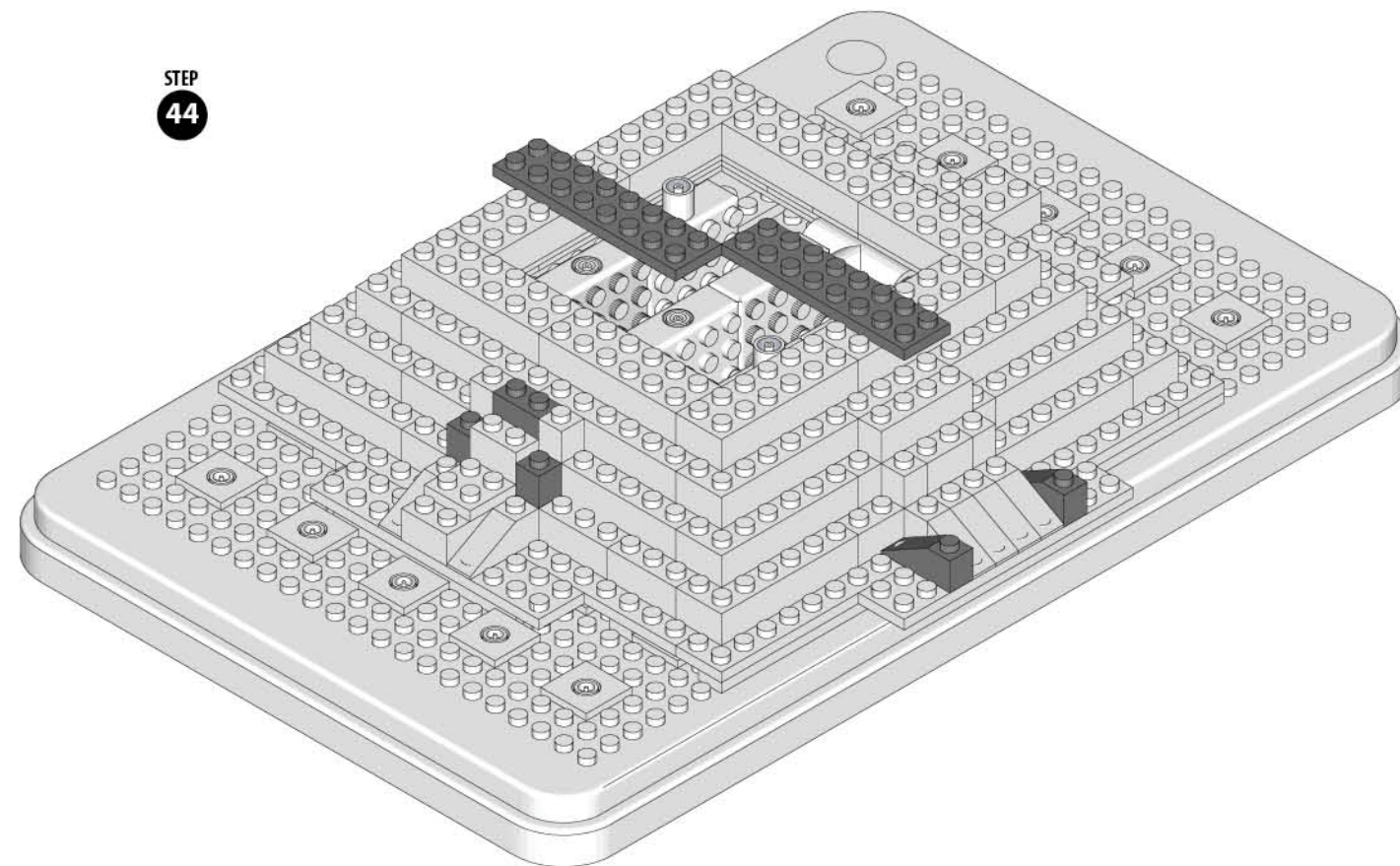
STEP  
42



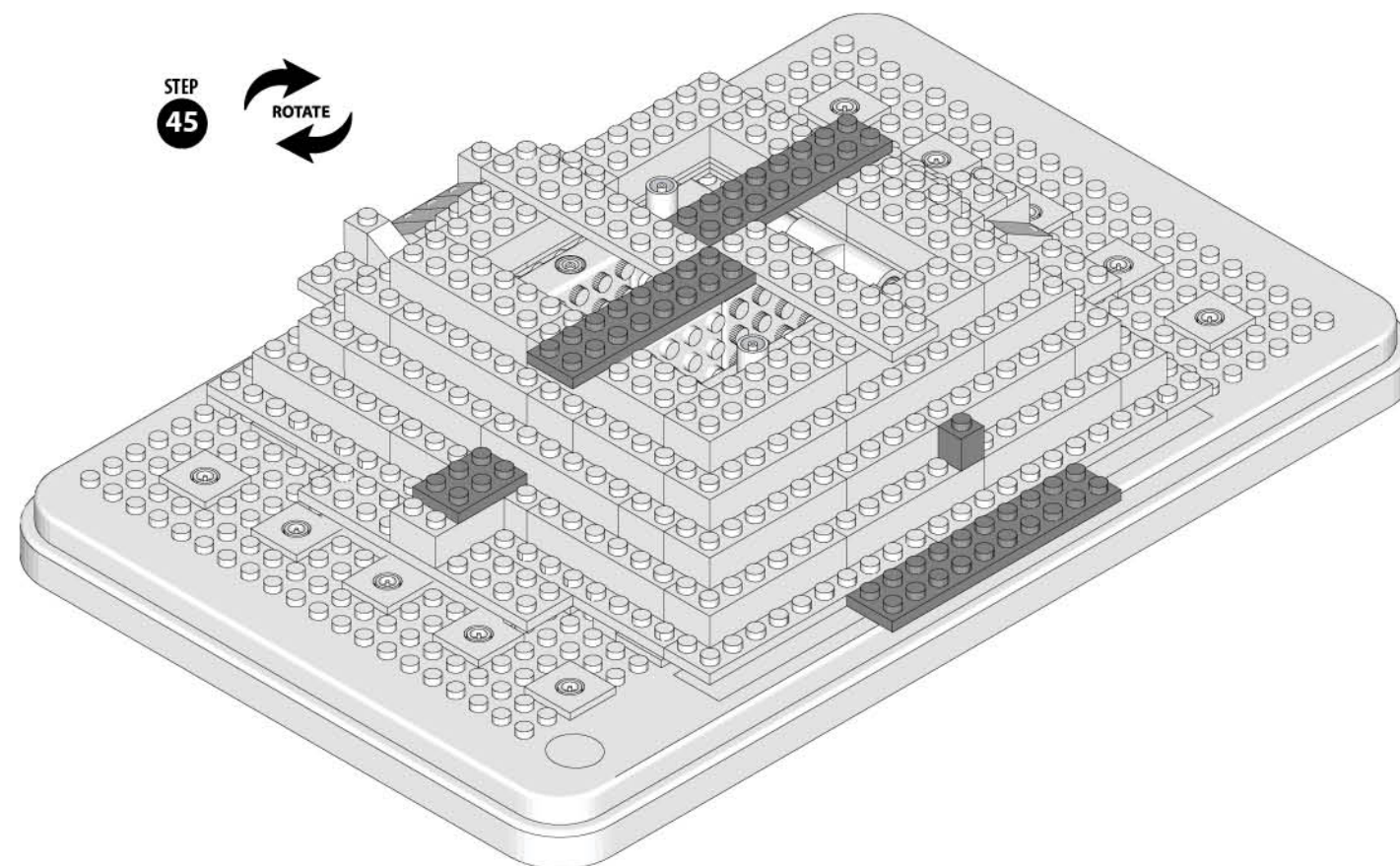
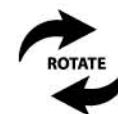
STEP  
43



STEP  
44



STEP  
45



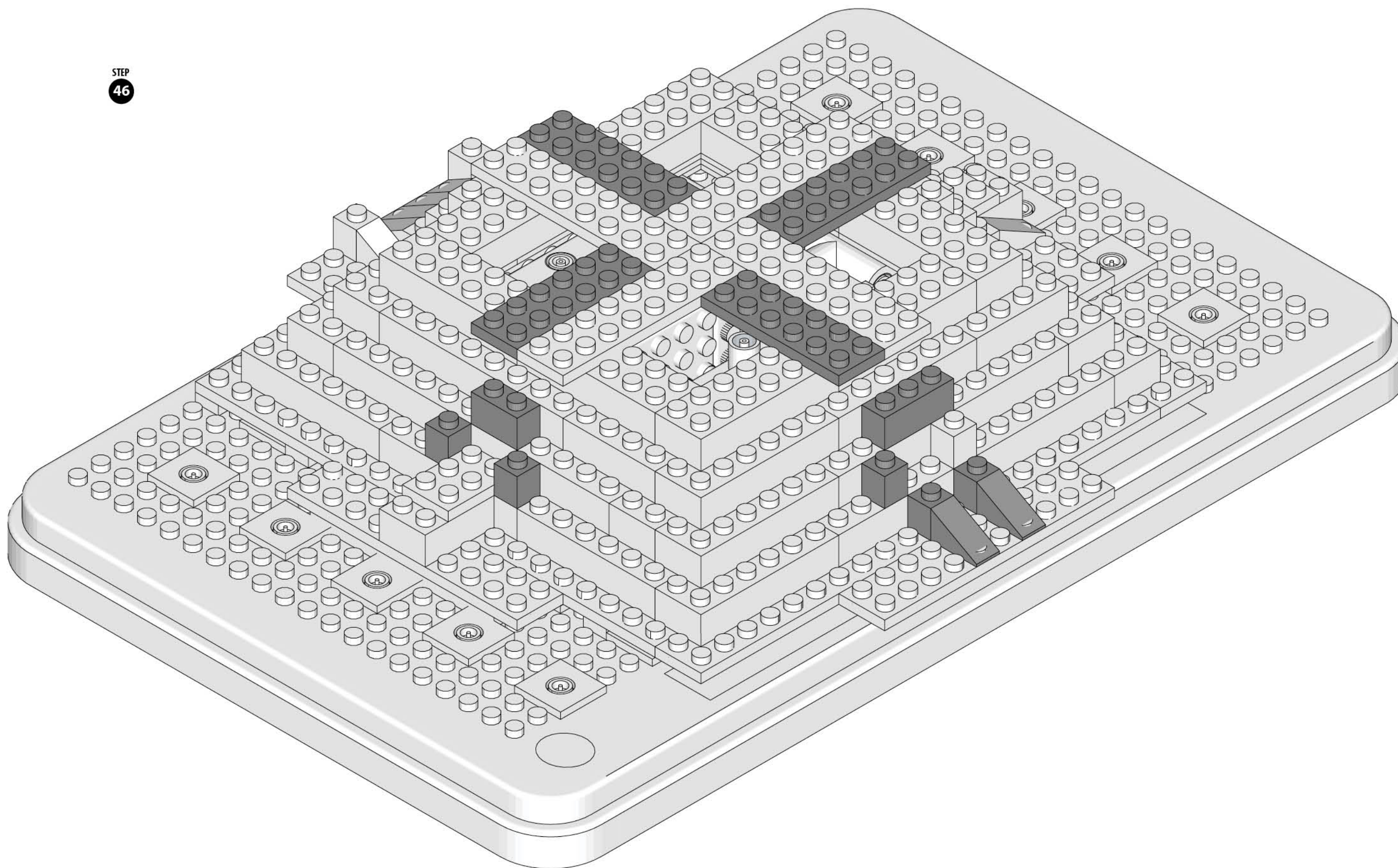
MADE IN CHINA

[www.LaserPegs.com](http://www.LaserPegs.com)

Copyright 2014 © All Rights Reserved Global & Multiple Patents Pending.  
US Patent #7,731,558

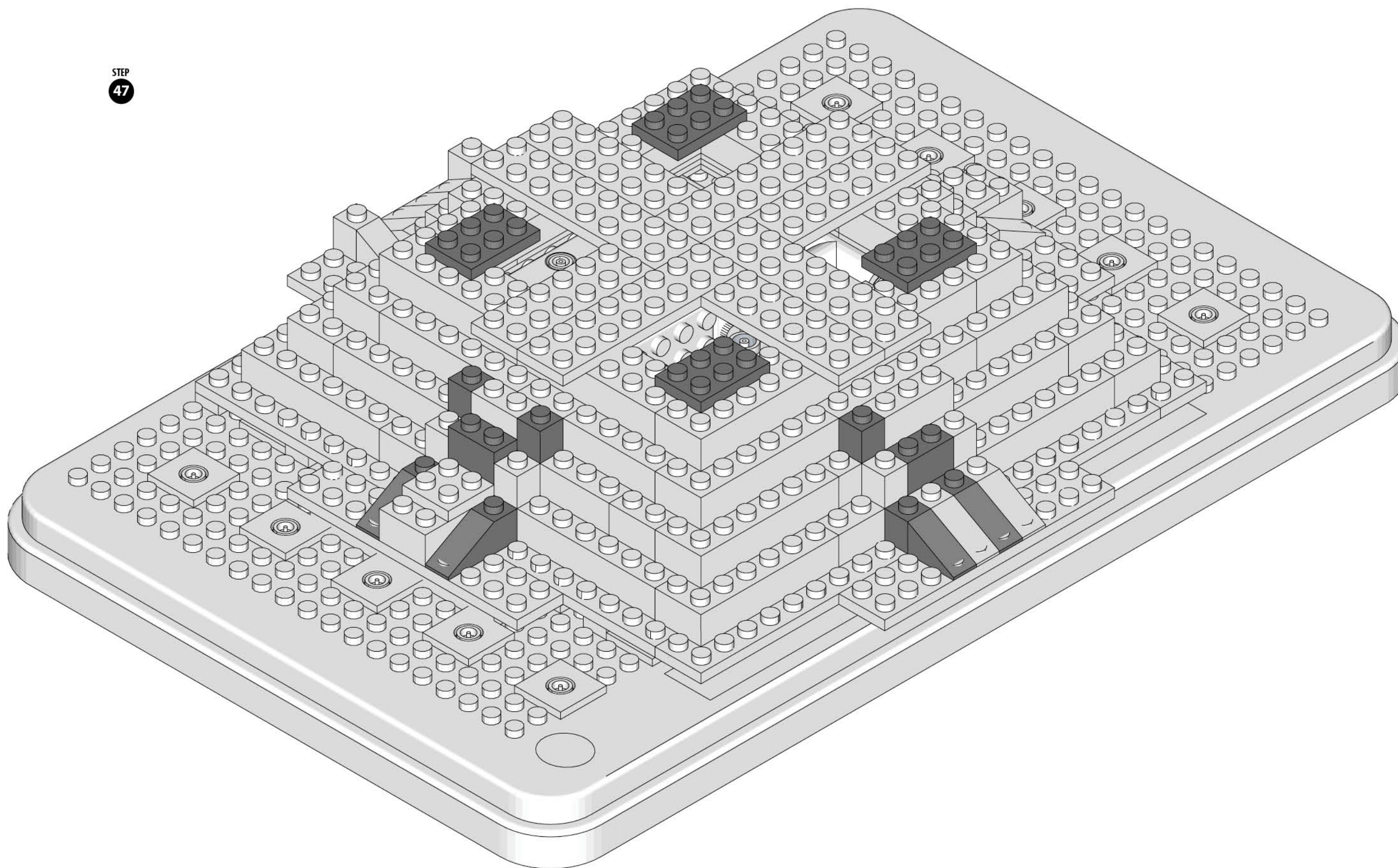


STEP  
46





STEP  
47



MADE IN CHINA

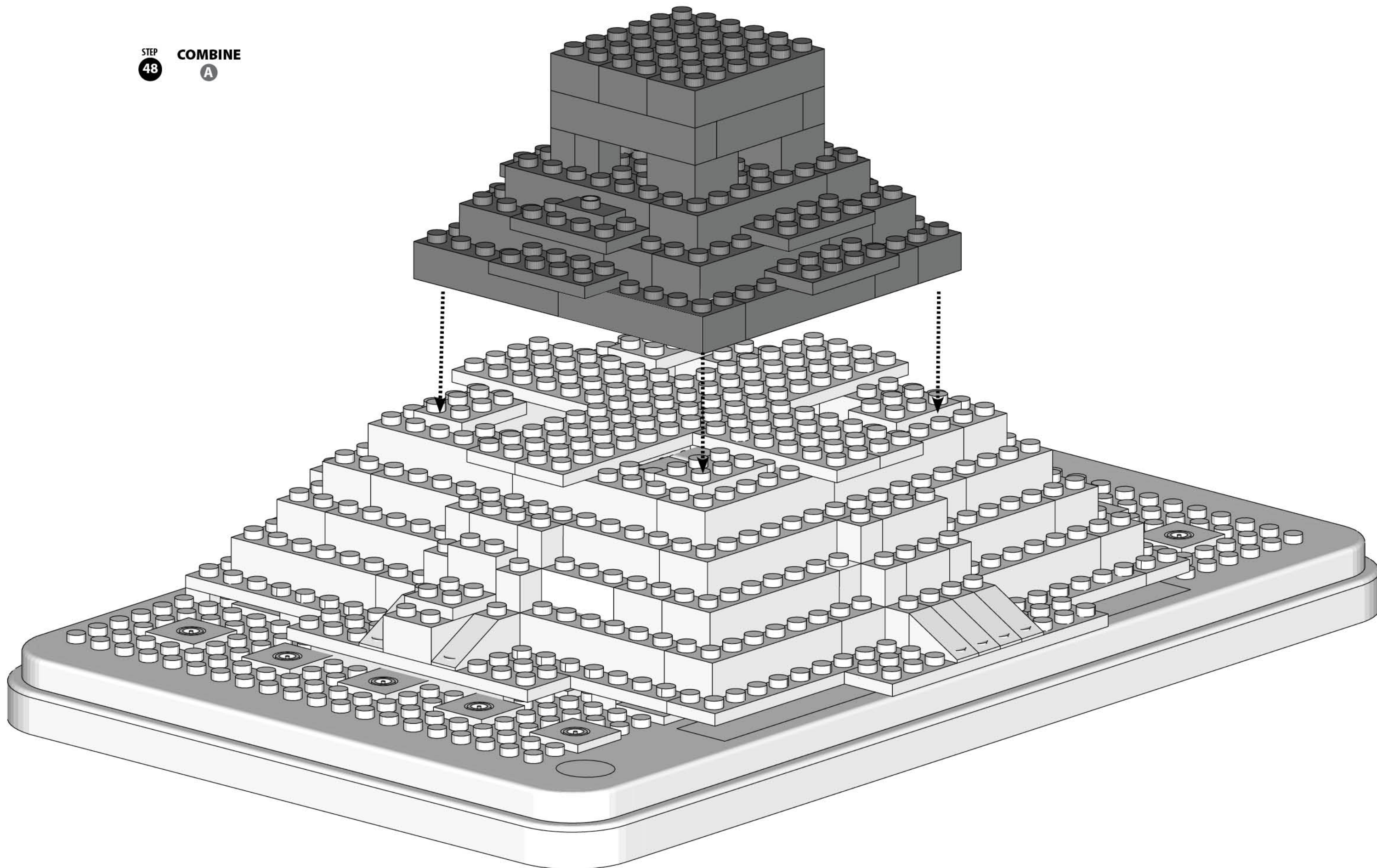
[www.LaserPegs.com](http://www.LaserPegs.com)

Copyright 2014 © All Rights Reserved Global & Multiple Patents Pending.  
US Patent #7,731,558



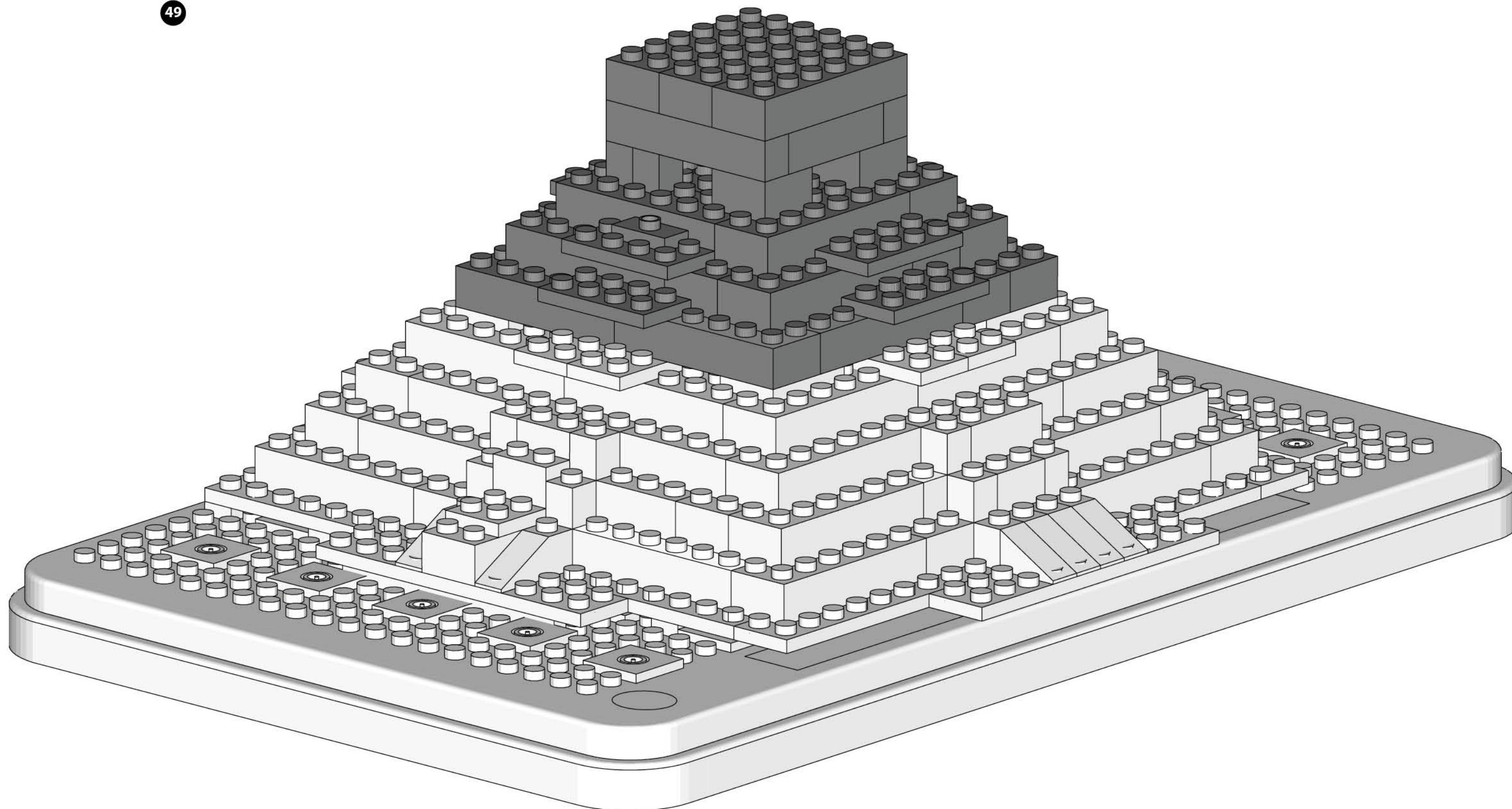
STEP  
48

COMBINE  
A





STEP  
49



MADE IN CHINA



National Geographic's net proceeds support vital exploration, conservation, research, and education programs.

[www.LaserPegs.com](http://www.LaserPegs.com)

Copyright 2014 © All Rights Reserved Global & Multiple Patents Pending.  
US Patent #7,731,558