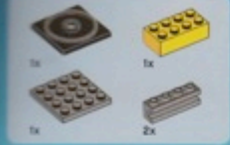


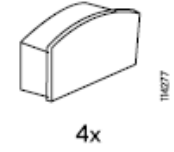
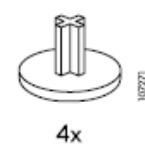
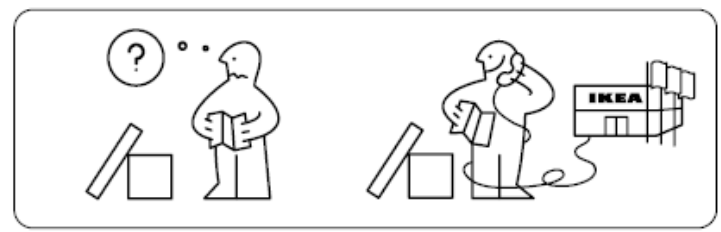
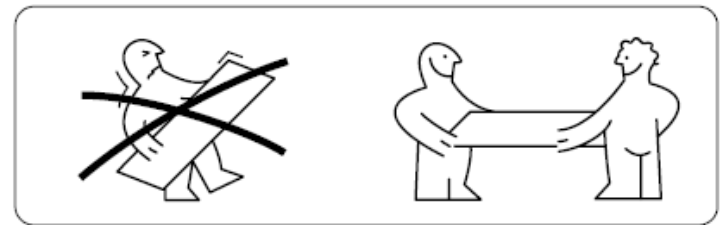
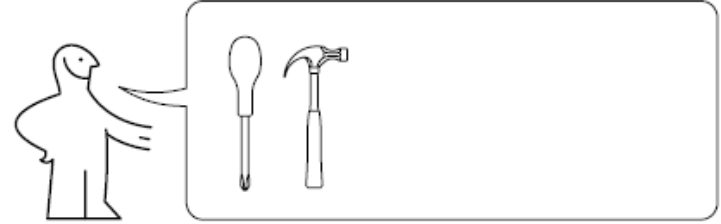
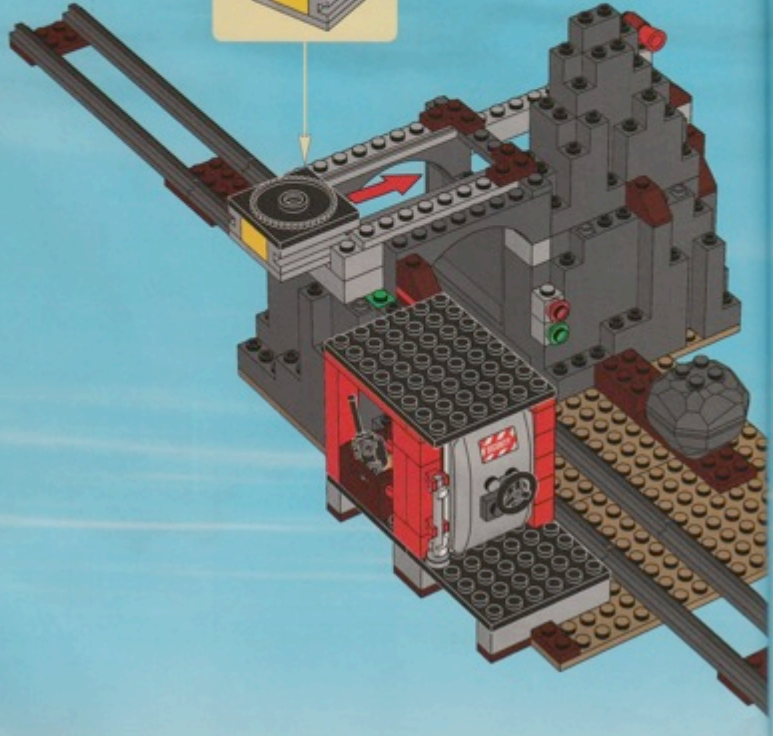
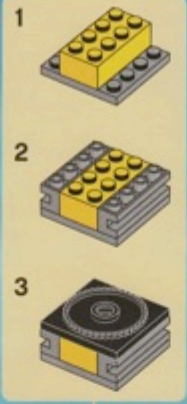
Form, Function and Instruction

Alicia Gibb

Instructions



35



Inspiration

Changes for Parts IX and X

Changes to Parts IX and X are necessary to comply with new regulations that eliminated the advance ruling process. Until Form 1023 is revised to reflect this change, please follow the directions on this notice when completing Part IX and Part X of Form 1023. For more information about the elimination of the advance ruling process, visit us at IRS.gov. In the top right "Search" box, type "Elimination of the Advance Ruling Process" (exactly as written) and select "Search."

**Changes to Instructions for Form 1023,
Application for Recognition of Exemption
Under Section 501(c)(3) of the Internal
Revenue Code (Rev. June 2006)**

Grad School



LASER PEGS
The Ultimate Toy For Kids

For Boys
And Girls Ages
5 And Up

6 in 1

LIGHTED
CONSTRUCTION SET

670

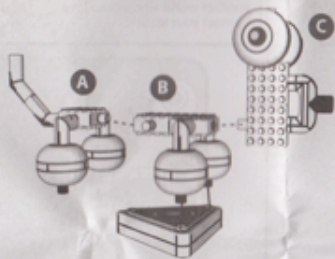
ONLY AT 



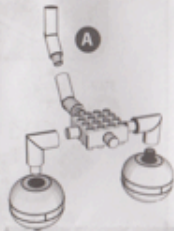
Small inset image showing a white plastic connector piece with a small red laser dot on its side.

The 3 AAA batteries are only for the eye function. They should be removed from the storage power base and replaced with 3 yellow AAA batteries before going to the store.

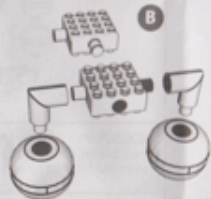
WARNING:
CHOKING HAZARD - Small parts. Not for children under 3 yrs. Do not inhale or ingest.



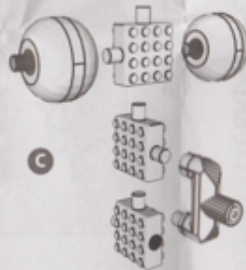
STEP 1



STEP 2



STEP 3



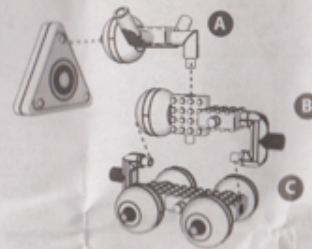
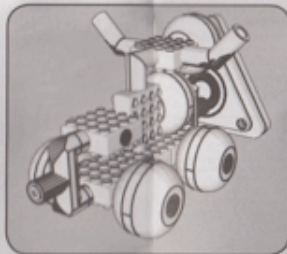
MODEL ROCKET — An elongated projectile which can be propelled to great heights through combustion.



STEP 1



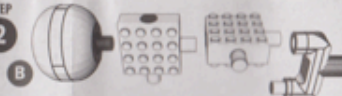
SPEEDSTER — A racing automobile built for super high speeds.



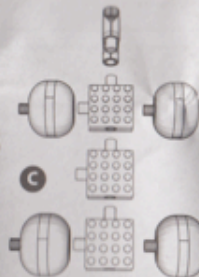
STEP 1



STEP 2



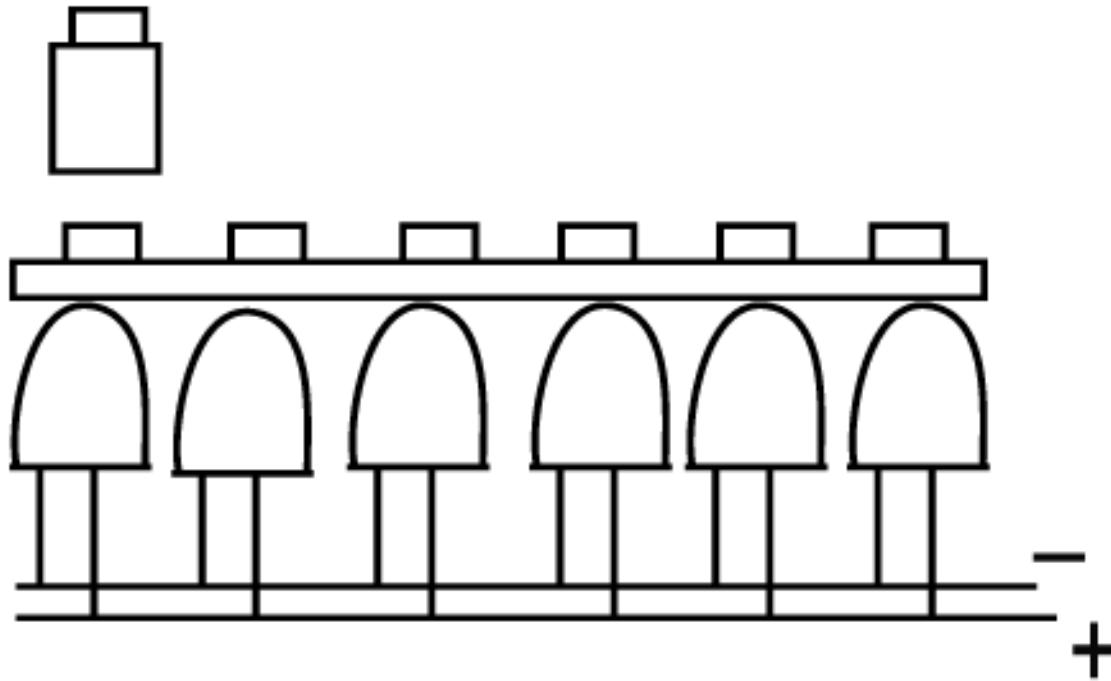
STEP 3

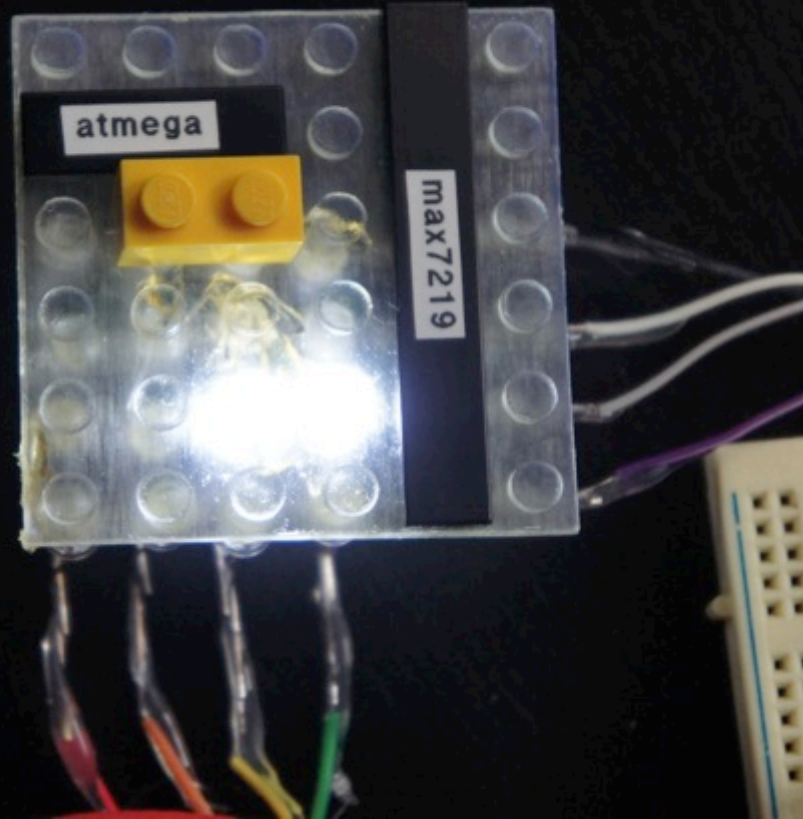
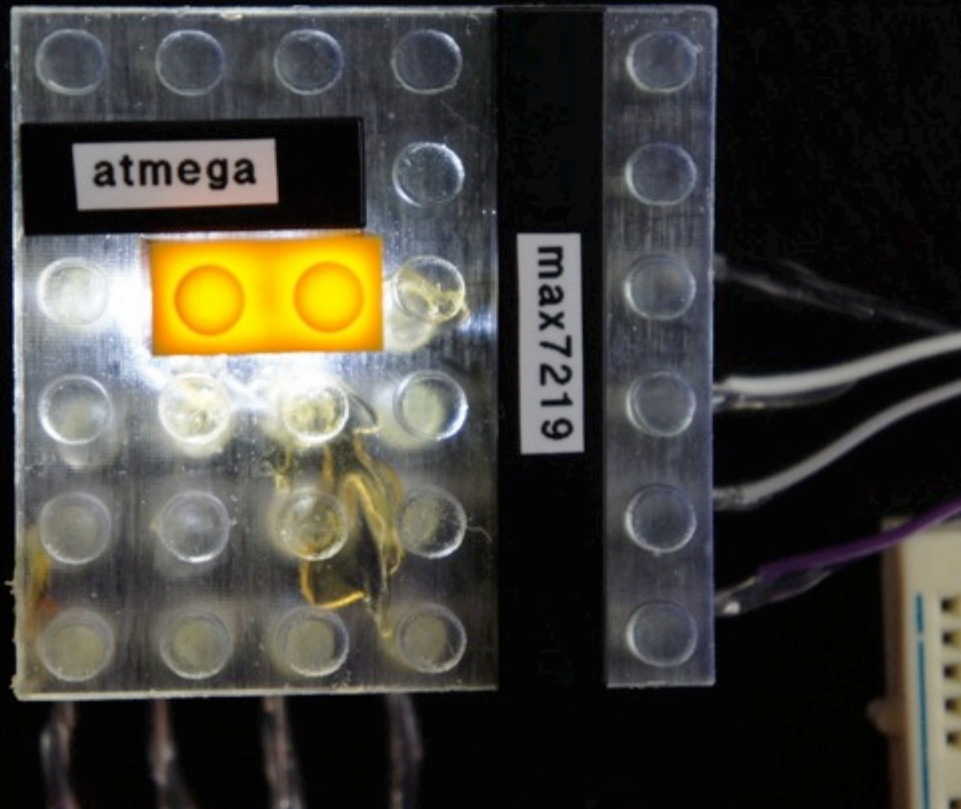


www.LaserPegs.com

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US Patent #7,731,558

Electronics under

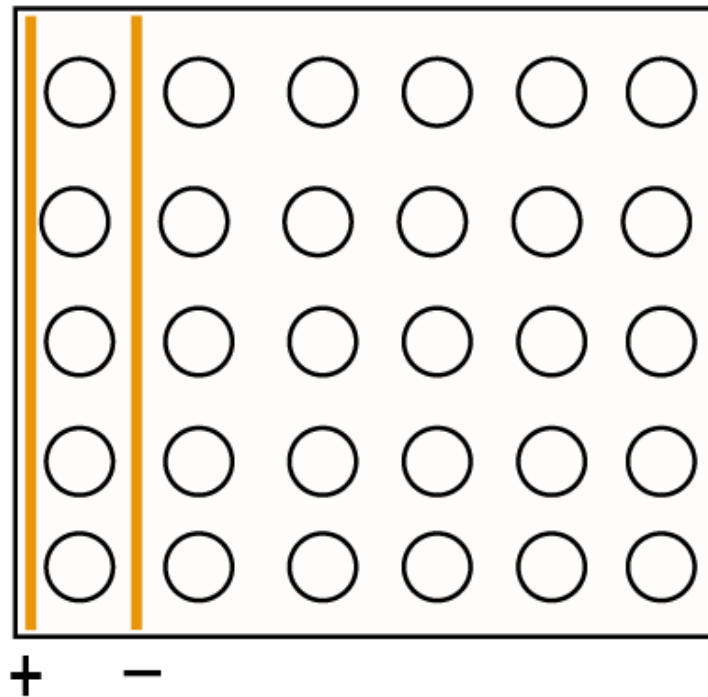


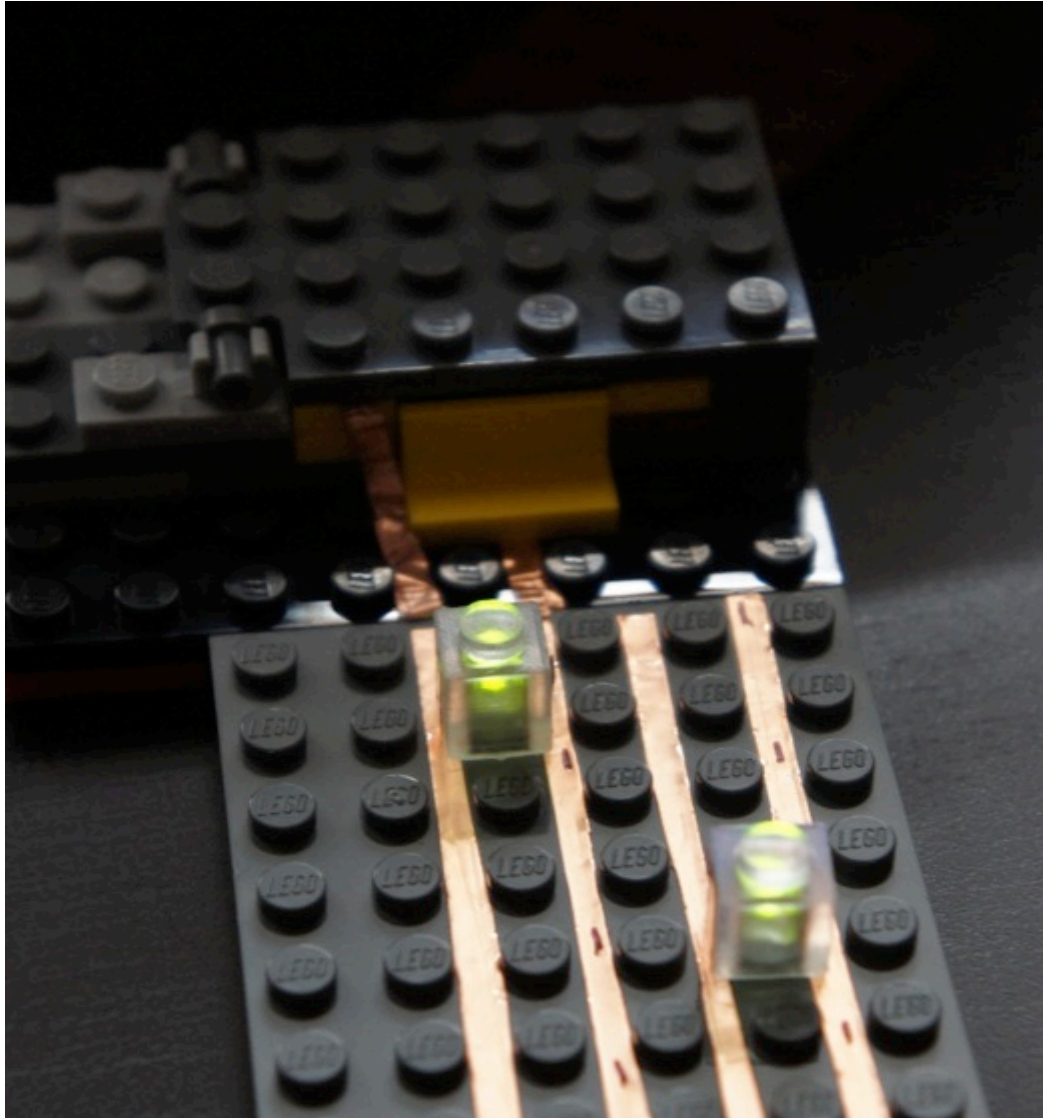


Problems

- No Z access available to the LEDs if using opaque Legos
- Clear Lego baseplates are almost non-existent

Electronics on top





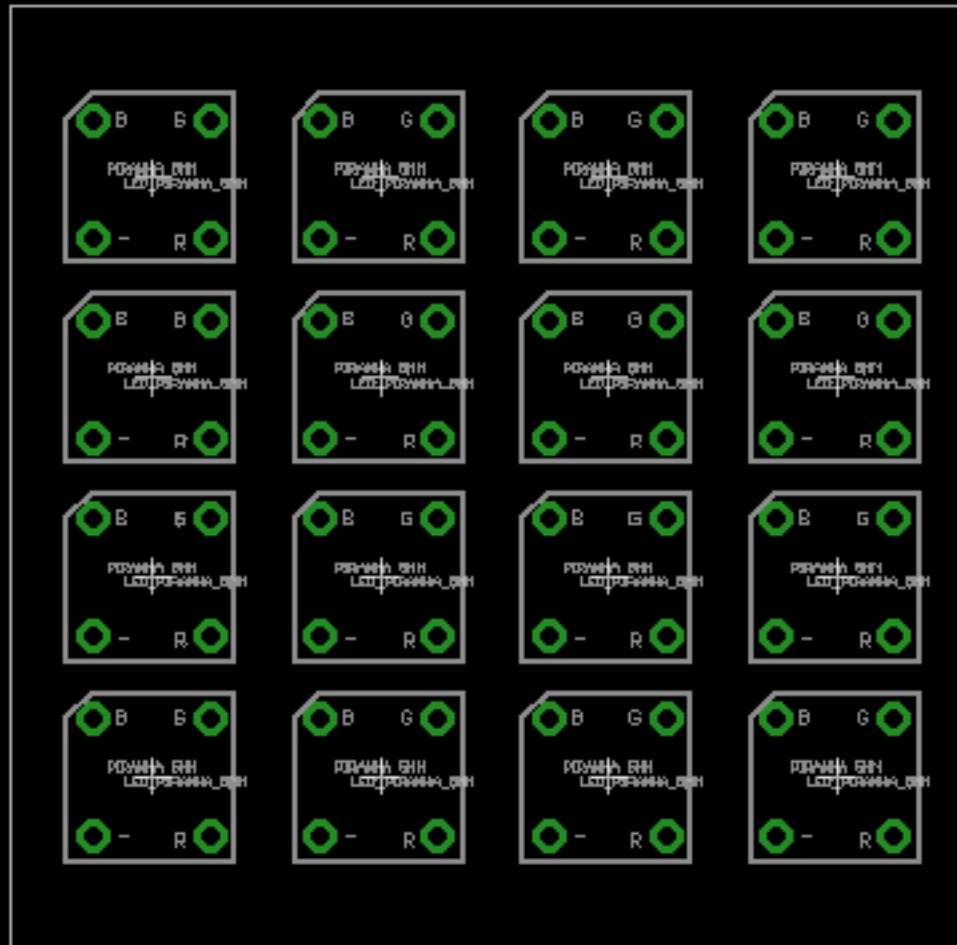
Problems

- Pressure fit for the legos to make a good enough connection
- LEDs are really difficult to affix in Legos
 - Potential solution: 3D print the LEDs and leads into the Lego block
- Copper tape is not a good solution for production
- Isn't really embedded instruction

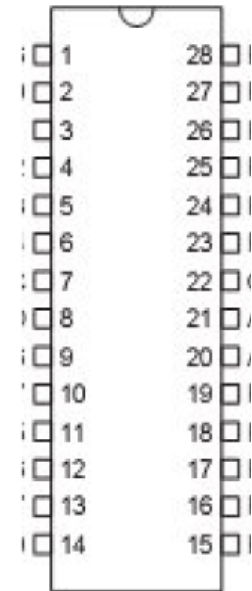
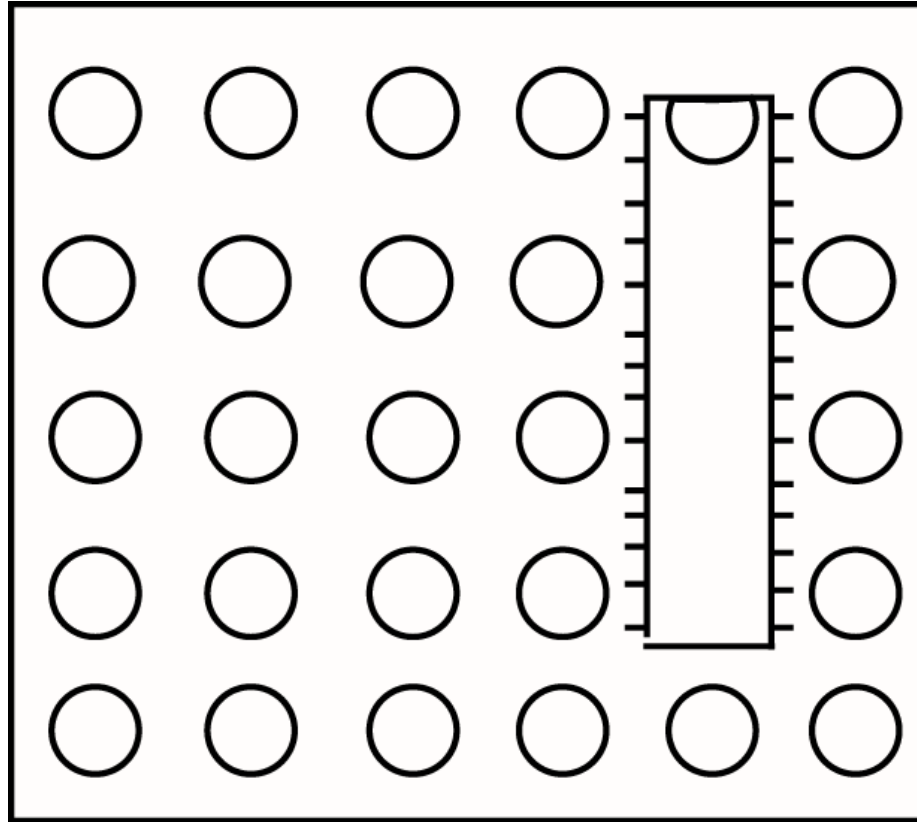
Shaped epoxy on LEDs



Through hole Lego PCBs



And the chips



Problems

- Heat of a soldering iron on plastic baseplates

Question: Is there a silicon spec that high?

Still have a potential problem of the Z axis, but there could be a way to string leads through multiple layers of LEDs.



Expired patent of the day: Lego

Rob Beschizza at 1:07 pm Fri, Oct 21, 2011

Oct. 24, 1961

G. K. CHRISTIANSEN
TOY BUILDING BRICK

3,005,282

Filed July 28, 1958

2 Sheets-Sheet 1

FIG. 1.

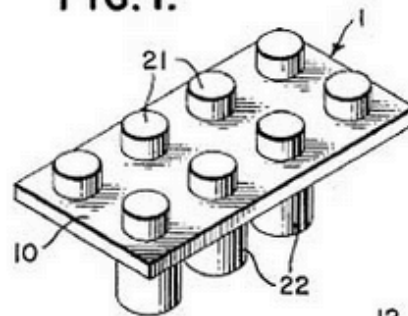


FIG. 2.

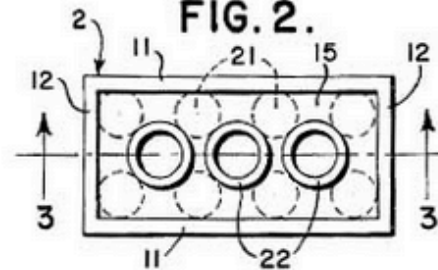


FIG. 3.

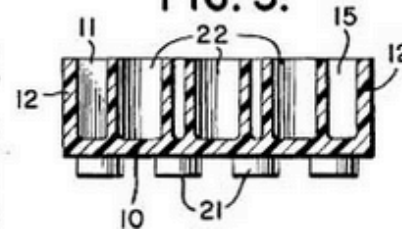
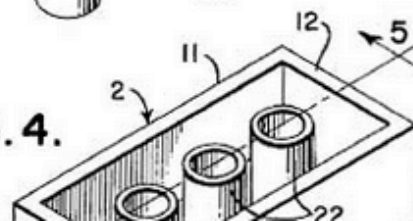


FIG. 4.



Embedded Instructions

