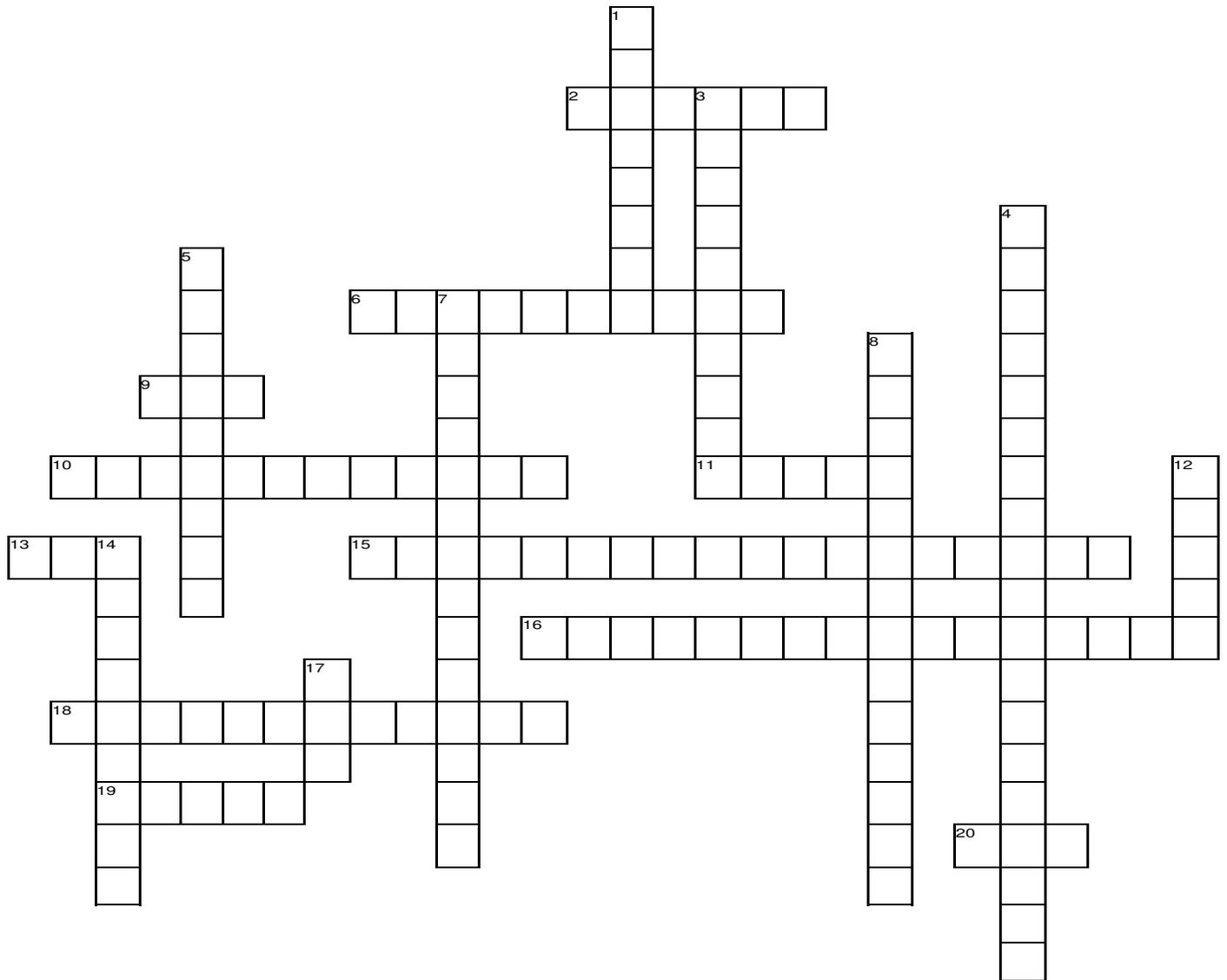


# EMA Design Automation Crossword Puzzle



**INSTRUCTIONS:** Print and fill out the crossword puzzle above using the hints below. Once completed, take a picture of the completed puzzle and tweet it out with the hashtag #EMACROSSWORD.

## ACROSS

2. A type of file generated for manufacturing PCBs
6. Component in early TV sets
9. A hole in a board used to pass a signal from one layer to another
10. Construction method which allows components to be simply set on a board
11. Semiconductor
13. The internetworking of “smart devices”—embedded with electronics, software, sensors, actuators, and network connectivity enabling these objects to collect and exchange data.
15. A microelectronic computer circuit incorporated into a chip or semiconductor
16. A specialized cable or other structure designed to carry alternating current of radio frequency
18. Owner and CEO of EMA Design Automation
19. Cadence software used to create electronic schematics and electronic prints for manufacturing PCBs
20. Boards contain blind and/or buried vias

## DOWN

1. Adjustable resistor
3. A board for making an experimental model of an electric circuit
4. A supply chain driven part selection option for OrCAD
5. Circuit boards offering optimum solutions for difficult, limited space conditions
7. Wave from behind path
8. Comprehensive SI / PI software enabling system-level interface compliance verification
12. A continuous path of copper on a circuit board
14. It may cause sparks to fly
17. A portion of exposed metal on the surface of a board to which a component is soldered