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IC Knowledge – MEMS Cost and Price Model Supported MEMS Materials List

As of the 2021 revision 00 the following test types are included in the MEMS Cost and Price Model.

The MEMS cost and price models supports up to two IC die and up to two MEMS die in each MEMS product.

MEMS Sort 1 and 2

1. None
2. Accelerometer - 1 axis
3. Accelerometer - 2 axis
4. Accelerometer - 3 axis
5. Accelerometer/Gyroscope - 1 axis (2 axis)
6. Accelerometer/Gyroscope - 2 axis (4 axis)
7. Accelerometer/Gyroscope - 3 axis (6 axis)
8. Accelerometer/Gyroscope/Magnetometer - 1 axis (3 axis)
9. Accelerometer/Gyroscope/Magnetometer - 2 axis (6 axis)
10. Accelerometer/Gyroscope/Magnetometer - 3 axis (9 axis)
11. Bulk Acoustic Wave Filter
12. Proximity Sensor
13. Gyroscope - 1 axis
14. Gyroscope - 2 axis
15. Gyroscope - 3 axis
16. LED
17. Microphone
18. Oscillator
19. Oscillator with trim
20. Pressure Sensor
21. Print Head
22. Tire Pressure Measurement System
23. VCSEL

IC Sort 1 and 2

1. None
2. Accelerometer - 1 axis
3. Accelerometer - 2 axis
4. Accelerometer - 3 axis
5. Accelerometer/Gyroscope - 1 axis (2 axis)

6. Accelerometer/Gyroscope - 2 axis (4 axis)
7. Accelerometer/Gyroscope - 3 axis (6 axis)
8. Accelerometer/Gyroscope/Magnetometer - 1 axis (3 axis)
9. Accelerometer/Gyroscope/Magnetometer - 2 axis (6 axis)
10. Accelerometer/Gyroscope/Magnetometer - 3 axis (9 axis)
11. Color Sensor
12. Digital Micro Display
13. Gyroscope - 1 axis
14. Gyroscope - 2 axis
15. Gyroscope - 3 axis
16. Hall Effect Sensor
17. Microcontroller
18. Pressure Sensor
19. Proximity Diode
20. Signal Conditioning IC
21. Tuner

Class Test (Final Product Test)

1. None
2. Accelerometer - 1 axis - commercial
3. Accelerometer - 2 axis - commercial
4. Accelerometer - 3 axis - commercial
5. Accelerometer - 1 axis - automotive
6. Accelerometer - 2 axis - automotive
7. Accelerometer - 3 axis - automotive
8. Accelerometer/Gyroscope - 1 axis (2 axis) - commercial
9. Accelerometer/Gyroscope - 2 axis (4 axis) - commercial
10. Accelerometer/Gyroscope - 3 axis (6 axis) - commercial
11. Accelerometer/Gyroscope - 1 axis (2 axis) - automotive
12. Accelerometer/Gyroscope - 2 axis (4 axis) - automotive
13. Accelerometer/Gyroscope - 3 axis (6 axis) - automotive
14. Accelerometer/Gyroscope/Magnetometer - 1 axis (3 axis) - commercial
15. Accelerometer/Gyroscope/Magnetometer - 2 axis (6 axis) - commercial
16. Accelerometer/Gyroscope/Magnetometer - 3 axis (9 axis) - commercial
17. Accelerometer/Gyroscope/Magnetometer - 1 axis (3 axis) - automotive
18. Accelerometer/Gyroscope/Magnetometer - 2 axis (6 axis) - automotive
19. Accelerometer/Gyroscope/Magnetometer - 3 axis (9 axis) - automotive
20. Bulk Acoustic Wave Filter
21. Color and Proximity Sensor
22. Digital Micro Display
23. Duplex Bulk Acoustic Wave Filter
24. Gyroscope - 1 axis - commercial
25. Gyroscope - 2 axis - commercial
26. Gyroscope - 3 axis - commercial
27. Gyroscope - 1 axis - automotive
28. Gyroscope - 2 axis - automotive
29. Gyroscope - 3 axis - automotive
30. Hall Effect Sensor

31. LED
32. Microphone
33. Oscillator - 2 temperature
34. Oscillator - 3 temperature
35. Pressure Sensor
36. Print Head
37. Tire Pressure Measurement System
38. Tuner