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IC Knowledge – MEMS Cost and Price Model Supported Processes List

As of the 2020 revision 01 the following MEMS processes are included in the MEMS Cost and Price Model. Enter steps allows the user to define their own MEMS process.

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

1. 2 Layer Poly
2. ADI Accelerometer
3. ADI Switch
4. AMR
5. Bulk pressure sensor
6. Cap wafer
7. Chemical Sensor
8. Coventor - RF Relay
9. Discera - MEMS Oscillator with cap
10. Electrostatic Energy Harvester
11. Electrostatic Motor
12. Floating Element Flow Sensor
13. HP - Print Head
14. IMEPKU - 2 layer poly
15. Infineon - Bulk Accoustic Wave
16. Infineon - Tire Pressure Measurement
17. Infotonics - Hybrid SOI
18. Invensense - Gyro/Accelerometer
19. Invensense Accelerometer w cavity
20. Kionix - accelerometer
21. Knowles - Microphone
22. Lear - Tire Pressure Sensor
23. MEMSCap - Metal MUMPS
24. MEMSCap - Poly MUMPS
25. MEMSCap - SOI MUMPS
26. Micro PEM Fuel Cell
27. Murata - Gyro/Accelerometer
28. None
29. Oclaro - laser diode
30. Piezo Energy Harvester

31. Pixtronics - Display
32. Protein Sensor
33. RF Relay
34. Robert Bosch - Accelerometer
35. Sandia - SUMMiT - 3 poly layers
36. SiTimes - Oscillator
37. SOI Piezo Energy Harvester
38. ST Micro - Magnetometer
39. STMicro - ThELMA
40. STMicro - ThELMA60
41. STMicro - ThELMA-ISOX
42. Temperature and Humidity
43. Tesserra - Comb Actuator
44. Thermopile
45. TMR
46. User entered
47. VCSEL - array
48. VCSEL - bottom emitter
49. VCSEL - top emitter
50. WiSpry - Tri-Layer Beam