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IC Knowledge – MEMS Cost and Price Model Supported Processes List

As of the 2017 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. Piezo Energy Harvester
30. Pixtronics - Display

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