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IC Knowledge – MEMS Cost and Price Model Supported Processes List

As of the 2021 revision 00 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. Broadcom FBAR
6. Bulk pressure sensor
7. Cap wafer
8. Chemical Sensor
9. Coventor - RF Relay
10. Discera - MEMS Oscillator with cap
11. Electromagnetic Mirror
12. Electrostatic Energy Harvester
13. Electrostatic Motor
14. Floating Element Flow Sensor
15. HP - Print Head
16. IMEPKU - 2 layer poly
17. Infineon - Bulk Accoustic Wave
18. Infineon - Tire Pressure Measurement
19. Infotonics - Hybrid SOI
20. Invensense - Gyro/Accelerometer
21. Invensense - Accelerometer w cavity
22. Kionix - accelerometer
23. Knowles - Microphone
24. Lear - Tire Pressure Sensor
25. MEMSCap - Metal MUMPS
26. MEMSCap - Poly MUMPS
27. MEMSCap - SOI MUMPS
28. Micro PEM Fuel Cell
29. Murata - Gyro/Accelerometer
30. None
31. Oclaro - laser diode

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