

## Semiconductor Probe Card Market Falls 1.4% in 2013 to \$1.12B. FormFactor Regains Leadership in Rankings List.

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VLSIresearch reports that sales of semiconductor probe cards fell by 1.4% to a value of \$1.12B in 2013. Industry consolidation and the depreciation of the Japanese Yen had a big impact on the top 5 rankings list for 2013. FormFactor regained the number one spot as the merger with MicroProbe became fully effective while Micronics Japan fell to second place partly as a result of adverse exchange rate changes. Technoprobe jumped 2 places to take third due to strong sales of MEMS probe cards and Japan Electronic Materials, also suffering from a weak Yen, dropped into fourth. MPI Corporation made it into the top 5 for the first time by strongly outgrowing the market as a whole for the past two years. Just outside the top 5 are the three leading Korean vendors: Will Technology, Microfriend and Korea Instrument.

| Company                          | Rank 2012 | Rank 2013 | \$M 2013    |
|----------------------------------|-----------|-----------|-------------|
| FormFactor, Inc.                 | (2)       | 1         | 230         |
| Micronics Japan Co., Ltd.        | (1)       | 2         | 195         |
| Technoprobe                      | (5)       | 3         | 100         |
| Japan Electronic Materials       | (3)       | 4         | 80          |
| MPI Corporation                  | (7)       | 5         | 65          |
| Other                            |           |           | 450         |
| <b>Semiconductor Probe Cards</b> |           |           | <b>1120</b> |

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The outlook for 2014 is positive as the semiconductor industry continues to grow and exchange rates stabilize. Probe card revenues are forecast to grow 9.2% to a total value of \$1,295M.

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