## FORMED FUNDING CONSORTIUM FOCUS FACILITIES MEMBERS **BACKGROUND/HISTORY** Member dues. The October Project 1992 Improve PCB Used member Motorola, Merix, Started by Gene Hendrickson. McDermid, Morton manufacturing. facilities. then CEO of Tektronix PCB and others plant in Forrest Grove, OR: later merged into ITRI (see helow). Universal Consortia 1992 Applied R&D. Most work Universal Member dues. Ultra Fine Pitch Consortium (1992-1994), BGA/DCA (1994-(several) equipment done at and customers.suppliers state & governby Universal. development and partners; ment grants and 1996), DCA/CSP (1996-1998), contracts, project subsidiaries? AART (1997-1998 and Area participation fees. Array Consortium, 2005-2006>) HDPUG 1993 Applied R&D. "Virtual con-OEMs. EMS provid-Member dues Organized to reduce the (High Density supply line sortium" with ers and suppliers, costs and risks of utilizing Packaging organization. a small staff. predominantly from electronic packaging for the User Group) implementation. located in the the telecom and telecommunications and U.S., Europe environmental computer industries. computer industries. Efforts compliance. and Asia. center around improving cooperation between system Work is done integrators, contract assemby members bly manufacturers, and in their own facilities. suppliers in the high-density packaging development and design process. ITRI (Interconnect Improve PCB "Virtual con-U.S. PCB manufac-Organized as a result of 1994 Member dues. turers and suppliers. IPC's roadmapping activity. Technology manufacturing. sortium" with some outside Research Institute) a small staff. some OEMs. contracts from Created to improve N.A. PCB competitiveness. Ceased located in the government and U.S., work was other consortia. operation in 2001. done by members in their own facilities. PMTEC Federal govern-1998 Although not Small staff, Mantech, U.S. PCB Created and primarily funded by the U.S. Armed Forces (PWB Manufacturing exclusive. PMTFC had manufacturers and ment grants and Technology Center) PMTEC had a its own lab suppliers, and some member dues. Mantech Program. strong focus Ceased operation in 2000. space and OEMs. on PCBs for was located in

## TABLE 1. Consortia with primary PCB/PCA focus.

military tech-

noloav needs.

a PCB shop in

Huntsville, AL.