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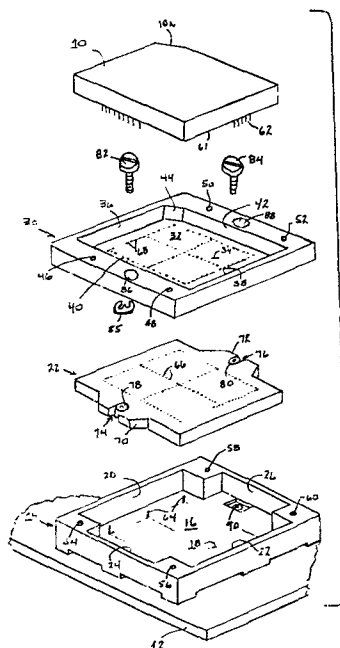
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54 **Low or zero insertion force connector for multi-pin arrays.**

57 A connector for zero or low insertion force receipt of multi-pin arrays, such as those in very large scale integration (VLSI) components, includes cam surfaces for selective movement to oppose the self-biasing forces of connector contacts for pin insertion and reverse movement to permit the contacts to effect tight engagement with the pins under the influence of such self-biasing forces. The connector preferably includes cooperating camming surfaces having inclined ramps and slots. Selective longitudinal movement of a cam actuator causes vertical movement of a cam plate whereby self-biasing of connector contacts is opposed for ready pin insertion. Engagement between the cam plate and contacts ceases upon reverse movement of the cam actuator to permit the contacts to tightly engage the pins.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	SOVIET INVENTIONS ILLUSTRATED, Section R: Electrical, Abstracts, Week C06, 19th March 1980, Derwent, page SU-R5, London, GB. & SU - A - 661 859 (UTKIN K.K.) 05-05-1979 * Column 2, line 20 - column 4, line 20; figures 1-5 *	1	H 01 R 23/68
A	--- US-A-3 569 905 (KEHAGIOGLOU) * Column 2, line 24 - column 4, line 27; figures 1-8 *	1	
A	--- US-A-3 474 387 (KRUM) * Column 3, line 12 - column 6, line 12; figures 1-5 *	1	
A	--- US-A-3 555 488 (McIVER) * Column 2, line 24 - column 4, line 4; figures 1-5 * -----	1, 8	TECHNICAL FIELDS SEARCHED (Int. Cl. ³) H 01 R 23/00
The present search has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31-05-1983	Examiner LOMMEL A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			