

## (12) United States Design Patent (10) Patent No.: US D453,734 S Shimoyama et al. (45) Date of Patent: \*\* Feb. 19, 2002

- (54) BOARD TO BOARD RECEPTACLE CONNECTOR
- (75) Inventors: Hiroshi Shimoyama, Isehara; Tomoaki
   Ito, Machida; Shinichi Aihara, Ebina,
   all of (JP)
- (73) Assignee: Molex Incorporated, Lisle, IL (US)
- (\*\*) Term: **14 Years**

5,931,689 A \* 8/1999 Patel ..... 439/74 X 6,132,258 A \* 10/2000 Kajinuma ...... 439/660

### \* cited by examiner

Primary Examiner—Joel Sincavage(74) Attorney, Agent, or Firm—Charles S. Cohen; Thomas D. Paulius

(57) CLAIM

The ornamental design for a board to board receptacle connector, as shown and described.

- (21) Appl. No.: 29/134,191
- (22) Filed: Dec. 15, 2000

### (30) Foreign Application Priority Data

- Jun. 30, 2000
   (JP)
   2000-017904

   Jun. 30, 2000
   (JP)
   2000-017905

   (51)
   LOC (7)
   Cl.
   13-03

   (52)
   U.C. Cl.
   D12/1447
- (56) **References Cited**

#### U.S. PATENT DOCUMENTS

5,277,597 A	*	1/1994	Masami et al 439/607 X
5,554,036 A	≉	9/1996	Shirai et al 439/74
5,558,540 A	*	9/1996	Kato et al 439/637
5,876,217 A	≉	3/1999	Ito et al 439/74
5,882,212 A	*	3/1999	McHugh et al 439/74
5,885,092 A	≉	3/1999	Ito et al 439/74

#### DESCRIPTION

FIG. 1 is a top plan view of a board to board receptacle connector showing our new design; FIG. 2 is a bottom plan view thereof; FIG. 3 is a front elevational view thereof, the rear elevational view being a mirror image thereof; FIG. 4 is a left side elevational view thereof, the right side elevational view being a mirror image thereof; FIG. 5 is a top plan view of another embodiment of our new design, which is longer in length than the plan view of FIG. 1; FIG. 6 is a bottom plan view of the second embodiment of FIG. 5; and, FIG. 7 is a front elevational view of the embodiment of FIG. 5, the rear elevational view being a mirro image thereof. The left and right end views of the embodiment of FIG. 5 are the same as FIG. 4.

#### 1 Claim, 4 Drawing Sheets







## U.S. Patent Feb. 19, 2002 Sheet 1 of 4 US D453,734 S





# **U.S. Patent** Feb. 19, 2002 Sheet 2 of 4 US D453,734 S









.

#### **U.S. Patent** US D453,734 S Feb. 19, 2002 Sheet 3 of 4





#### **U.S. Patent** US D453,734 S Feb. 19, 2002 Sheet 4 of 4



