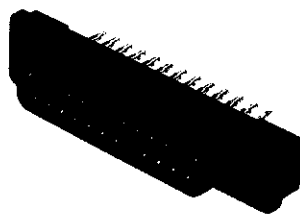


**HD-20 All-Plastic Straight Posted Connectors  
With ACTION PIN Contacts**

**Receptacles  
(Low and High Profile)**



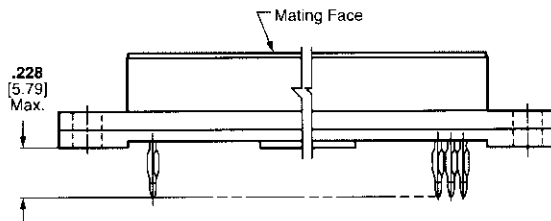
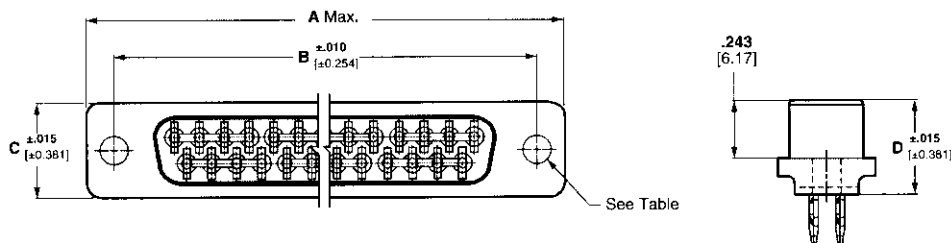
With Standard Mounting Holes



With Threaded Insert



With Fixed Female Screwlock



See customer drawings for pcb layouts.

Straight Posted Connectors

**Material and Finish:**

**Housing**—94V-0 rated thermoplastic, black

**Threaded Inserts**—Brass, unplated

**Female Screwlocks**—Brass, nickel plated

**ACTION PIN Contacts**—Copper alloy, duplex plated as follows:

**A**—.000030 [0.00076] gold on mating end, tin-lead on ACTION PIN post surface, with entire contact .000050 [0.00127] (min.) nickel underplated

**B**—Gold flash on mating end, tin-lead on ACTION PIN post surface, with entire contact .000050 [0.00127] (min.) nickel underplated

**Technical Documents:**

**Product Specification**—108-40014

Shell Size	No. of Contact Positions	Dimensions				Profile	Contact Finish (Plating Code)	Receptacle Part Numbers						
		A	B	C	D			For .093 [2.36] (min.) Thick Pc Boards			For .062 [1.57] (min.) Thick PC Boards			Seating Tool Part No.
								With .120 [3.05] Mounting Holes	With Threaded Inserts	With Fixed Female Screwlocks	With .120 [3.05] Mounting Holes	With Threaded Inserts	With Fixed Female Screwlocks	
1	9	1.221 31.01	.984 24.99	.410 10.41	.395 10.03	Low	A	—	—	745454-2	—	—	—	91164-1
					.695 17.65	High	A	—	—	745455-2	—	—	—	91164-3
2	15	1.546 39.27	1.312 33.32	.410 10.41	.395 10.03	Low	A	—	—	745456-2	—	—	—	91165-1
					.695 17.65	High	A	—	—	—	—	745612-2	—	91165-3
3	25	2.095 53.21	1.852 47.04	.410 10.41	.395 10.03	Low	A	—	—	745458-2	—	—	—	91168-1
					.695 17.65	High	A	—	745465-2	—	745458-1	—	—	91168-3
4	37	2.737 69.52	2.500 63.50	.410 10.41	.395 10.03	Low	A	—	—	745459-2	745589-2	—	—	91166-1
					.695 17.65	High	A	—	—	—	745599-2	—	—	—
5	50	2.643 67.13	2.406 61.11	.517 13.13	.395 10.03	Low	A	—	—	745461-2	—	—	—	91167-1

- Notes:** 1. All receptacles are preloaded with straight posted ACTION PIN socket contacts.  
2. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.