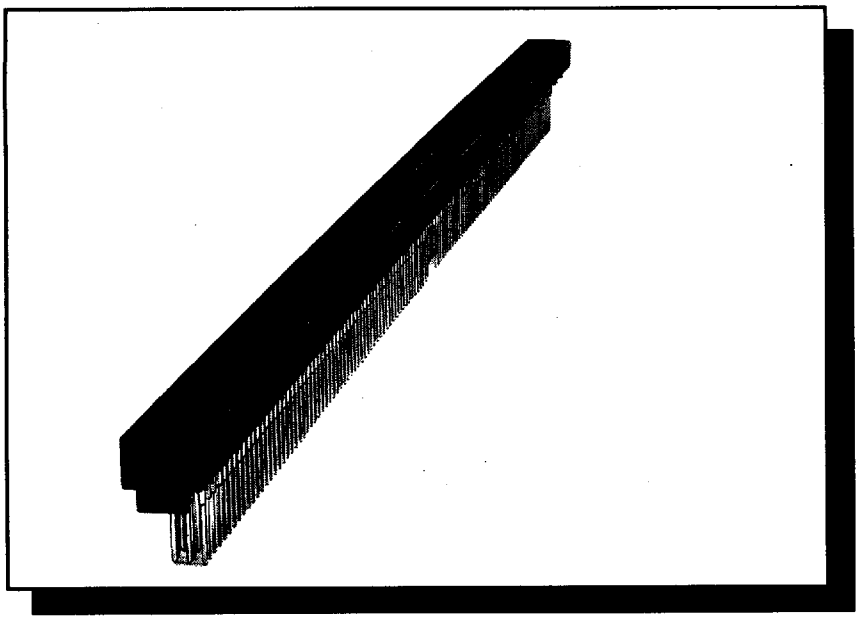
HDC High Density Connectors

A-61-05-11



Features

- High density
- Industry compatible
- 3 Rows up to 366 contacts
- 4 Rows up to 488 contacts
- UL Recognized

Materials

- Contact: Phosphor bronze per Federal Specification QQ-B-750.
- Plating: Nickel per QQ-N-290.
  Gold per MIL-G-45024 Type 1.
  Tin per MIL-T-10727 Type 1.

Performance Characteristic

- Current rating: 3A per contact.
- Contact resistance: ≤20mΩ.
- Dielectric withstand: ≥1000VRMS, 60Hz at sea level.
- Insulator resistance: $\geq 10^5$ megohms.
- Temperature rating: -55°C to +120°C.
- Marking: Meets MIL-STD-202 Method 215

These compliant pin press-fit backplane connectors are available in both 3 row (up to 366 contacts) and 4 row (up to 488 contacts) configurations. They are fully compatible with currently available industry standard High Density style connectors.

They feature ease of assembly and individual contact repairability and are equipped with standard hexagonal metal keying facilities at either end of the connector bodies.

Part Number

43 —	X	X	0	X —	X	XX
HDC	Series	Type	Rows Loaded	Tail Length(D)	Plating Codes	Contacts/Row Per Cluster (A)
	5 - 4 Row Male 7 - 3 Row Male	3 = 1 Cluster Press Fit 4 = 2 Cluster Press Fit	All	0 = (4.78)/.188 1 = (6.96)/.235 2 = (13/16)/.518 6 = (18.16)/.715	1 9	1 Cluster 10 - 60 2 Cluster 40 - 61

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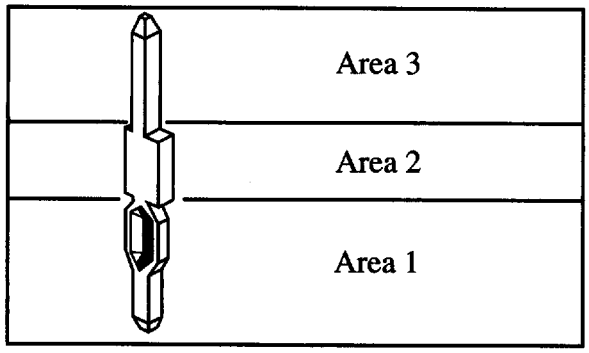
Contact Plating Locations



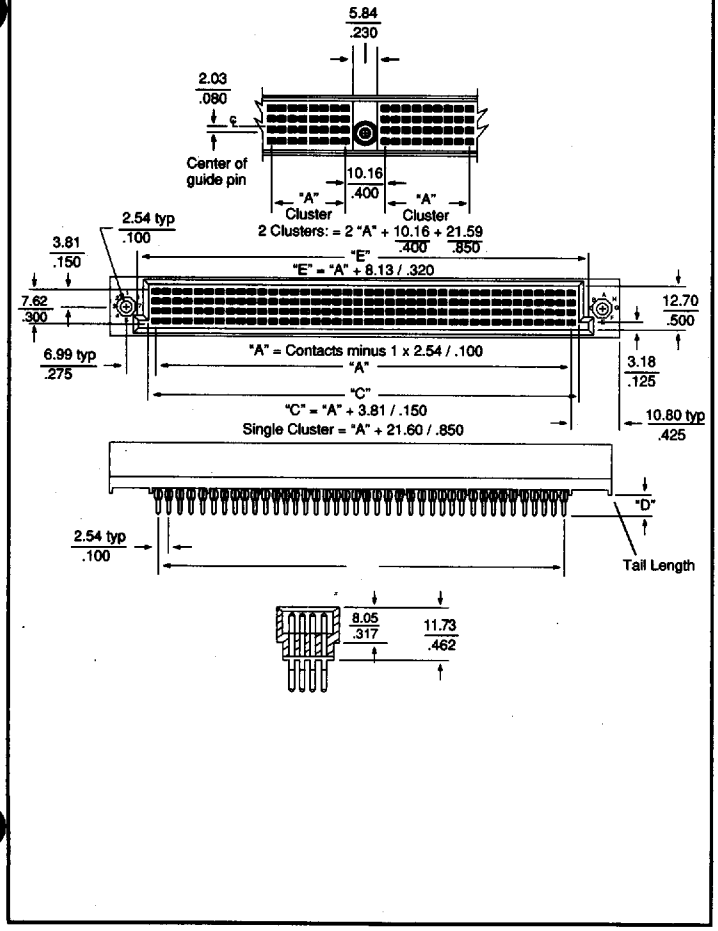
Plating Codes

Code	Area 1	Area 2	Area 3
1	5 µ" in. gold	5 µ" in. gold	30 µ" in. gold
9	100/200 µ" 90 tin/10 lead	NICKEL	30 µ" in. gold

50/100 µ" nickel overall

4 Row HDC

Millimeter
Inch



3 Row HDC

Millimeter
Inch