

# D-subminiature Metal Shell Crimp and Poke D\*A Series

# Cinch

## FEATURES

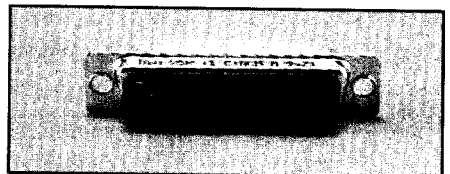
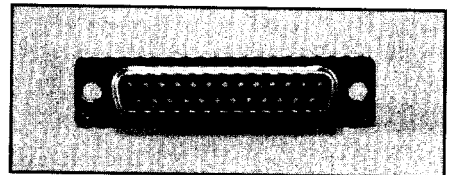
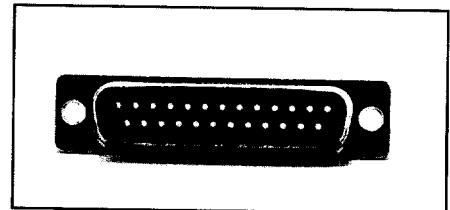
- Offered in 9, 15, 25, 37, and 50 position plugs and sockets.
- **Contacts:**
  - Available with gold flash or 30µin. gold plating.
  - Offered in 15,000 contact reel or 300 contact reel, or in loose-piece bags of 100 or 1000 each.
  - Accommodate 20-24 AWG wire or 26-30 AWG wire.
  - Not included with connector - order stamped contacts separately.
- **Approvals:**
  - UL Recognized - Files E170218 (UL1977) and E130965 (UL1863).
  - CSA Approved - File LR31996.
- See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.

## MATERIALS

**Insulator Material:** Glass-filled nylon (black), UL 94 V-O rated  
**Connector Shell:** Steel with zinc plating and yellow chromate finish or tin plating (plug has grounding indents)  
**Contact Material:**

- Plug - Brass (stamped)
- Socket - Phosphor bronze (stamped)

**Contact Plating:** Gold flash or 30µin. gold in mating area and gold flash on the remainder. All over nickel.  
**4-40 Clinch Nut:** Steel with cadmium plating and yellow chromate finish  
**Dual Float Bushing:** Stainless steel, passivated



## ENVIRONMENTAL

**Operating Temperature:** -65°C to + 125°C  
**Shock:** 50G peak per MIL-STD-202, Method 213, Condition G  
**Vibration:** 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D  
**Moisture Resistance:** 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103

## ELECTRICAL

**Withstanding Voltage:** Minimum 1000V RMS @ sea level  
**Current Rating:** 5 Amps  
**Contact Resistance:** 2.7 milliohms maximum  
**Insulation Resistance:** 5000 megohms maximum (initial);  
 1000 megohms (minimum) after environmental testing

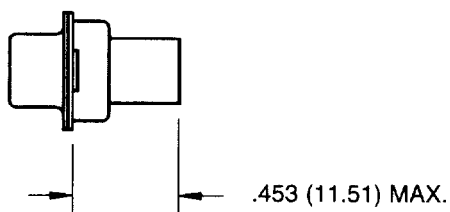
## MECHANICAL

**Individual Contact Insertion and Separation Force (minimum/maximum):** 0.7 oz./12 oz.  
**Durability:** 500 mating cycles

# D-subminiature Metal Shell Crimp and Poke Connectors D\*A Series

# Cinch

- Offered with .120 mounting holes or 4-40 clinch nuts.



## Termination Tools

- Semi-Automatic Stripper Crimper Tool for 15K reels: #GSC-20-30. See page 4-102.
- Contact Insertion/Extraction Tool: #CIET-20-HDB. See page 4-101.
- Crimp Contact Hand Tool for 300-piece reels: #GHC-B (20-26 AWG wire) or Catalog #GHC-B1 (28-30 AWG wire). See page 4-101.
- Crimp Contact Hand Tool for loose piece contacts: #HTD-544. See page 4-101.

## Ordering Information

### D\*A Series Crimp and Poke Connectors - Plugs

Positions	Zinc-plated shell with yellow chromate finish		Tin-plated shell with grounding indents	
	Mounting Holes	4-40 Clinch Nuts	Mounting Holes	4-40 Clinch Nuts
9	DEA-9P-FO	DEAE-9P-FO	DEA-9PTI-FO	DEAE-9PTI-FO
15	DAA-15P-FO	DAAE-15P-FO	DAA-15PTI-FO	DAAE-15PTI-FO
25	DBA-25P-FO	DBAE-25P-FO	DBA-25PTI-FO	DBAE-25PTI-FO
37	DCA-37P-FO	DCAE-37P-FO	DCA-37PTI-FO	DCAE-37PTI-FO
50	DDA-50P-FO	DDAE-50P-FO	DDA-50PTI-FO	DDAE-50PTI-FO

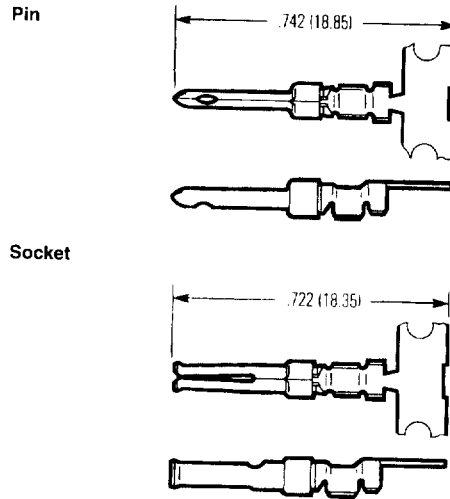
### D\*A Series Crimp and Poke Connectors - Sockets

Positions	Zinc-plated shell with yellow chromate finish		Tin-plated shell	
	Mounting Holes	4-40 Clinch Nuts	Mounting Holes	4-40 Clinch Nuts
9	DEA-9S-FO	DEAE-9S-FO	DEA-9ST-FO	DEAE-9ST-FO
15	DAA-15S-FO	DAAE-15S-FO	DAA-15ST-FO	DAAE-15ST-FO
25	DBA-25S-FO	DBAE-25S-FO	DBA-25ST-FO	DBAE-25ST-FO
37	DCA-37S-FO	DCAE-37S-FO	DCA-37ST-FO	DCAE-37ST-FO
50	DDA-50S-FO	DDAE-50S-FO	DDA-50ST-FO	DDAE-50ST-FO

# D-subminiature Metal Shell Crimp and Poke Insulation Grip Contacts D\*A Series



## Contacts



## Ordering Information

### D\*A Series Crimp and Poke Contacts on Reels

Contacts per Reel	15,000		15,000		300		300	
	20-24 AWG		26-30 AWG		20-24 AWG		26-30 AWG	
Wire Gauge	20-24 AWG		26-30 AWG		20-24 AWG		26-30 AWG	
Plating	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
Pin	DGP-15-1	DGP-15-2	DGP-15-3	DGP-15-4	DGP-3-1	DGP-3-2	DGP-3-3	DGP-3-4
Socket	DGS-15-1	DGS-15-2	DGS-15-3	DGS-15-4	DGS-3-1	DGS-3-2	DGS-3-3	DGS-3-4

### D\*A Series Crimp and Poke Loose-Piece Contacts

Contacts per Bag	100		100		1000		1000	
	20-24 AWG		26-30 AWG		20-24 AWG		26-30 AWG	
Wire Gauge	20-24 AWG		26-30 AWG		20-24 AWG		26-30 AWG	
Plating	Gold Flash	30µin Gold	Gold Flash	30µin Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
Pin	DGP-100L-1	DGP-100L-2	DGP-100L-3	DGP-100L-4	DGP-1000L-1	DGP-1000L-2	DGP-1000L-3	DGP-1000L-4
Socket	DGS-100L-1	DGS-100L-2	DGS-100L-3	DGS-100L-4	DGS-1000L-1	DGS-1000L-2	DGS-1000L-3	DGS-1000L-4