D-subminiature Metal Shell
Crimp and Poke
Series 3 - High Reliability

Cinch

Features

- ***High-reliability in a commercial grade connector.***
- ***Monoblock diallyl phthalate insulator for improved electrical performance.***
- ***Offered in 9, 15, 25, 37, and 50 position plugs and sockets.***
- ***Offered with .120 mounting holes, 4-40 clinch nuts, or dual float bushings.***
- ***Commercial version of M24308 Military connectors with tin-plated or zinc-plated shell and 30µin. gold contact plating.***
- ***Screw Machine Crimp and Poke contacts available as follows:***
  - ***Note that all contacts are packed loose.***
  - ***Plating options: 30µin. gold.***
  - ***Can be included with the connector or purchased separately (FO part numbers).***
- ***See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.***

Materials

Insulator Material: Glass fiber-filled diallyl phthalate (green), UL 94V-0

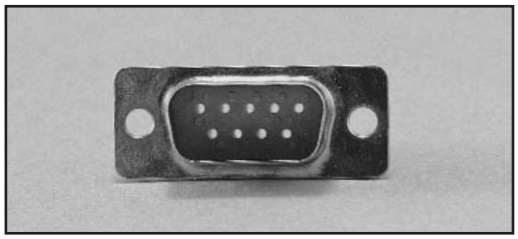
Connector Shell: Steel with zinc plating and yellow chromate finish

Contact Material: Plug - Brass (machined), Socket - Phosphor bronze (machined)

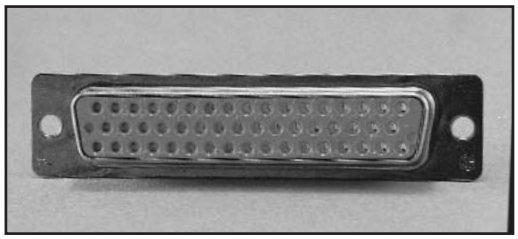
Contact Plating: 30µin. gold over nickel

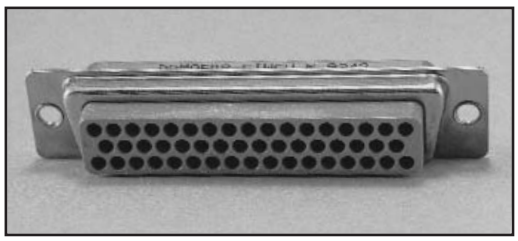
4-40 Clinch Nut: Steel with cadmium plating and yellow chromate finish

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

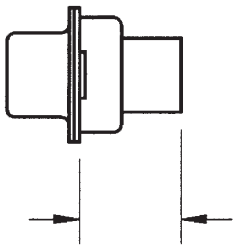
Electrical

Withstanding Voltage:	Minimum 1250V 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



Termination Tooling

- Contact Insertion/Extraction Tool: #CIET-20-HD (Military #M81969/39-01). See page 4-103.
- Crimp Contact Hand Tool: Military #M22520/2-01. See page 4-103. Contact Positioner (below) required.
- Positioner for machine contacts for Hand Tool #M22520/2-01 (locates contact in the correct position): #M22520/2-08. See page 4-103.

Ordering Information

Crimp and Poke - Plugs

Zinc-Plated Shell with Yellow Chromate Finish

	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
Positions	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts
9	DEMA-9P	DEMA-9P-FO	DEMAE-9P	DEMAE-9P-FO	DEMAY-9P	DEMAY-9P-FO
15	DAMA-15P	DAMA-15P-FO	DAMAE-15P	DAMAE-15P-FO	DAMAY-15P	DAMAY-15P-FO
25	DBMA-25P	DBMA-25P-FO	DBMAE-25P	DBMAE-25P-FO	DBMAY-25P	DBMAY-25P-FO
37	DCMA-37P	DCMA-37P-FO	DCMAE-37P	DCMAE-37P-FO	DCMAY-37P	DCMAY-37P-FO
50	DDMA-50P	DDMA-50P-FO	DDMAE-50P	DDMAE-50P-FO	DDMAY-50P	DDMAY-50P-FO

Tin-Plated Shells with Grounding Indents

	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
Positions	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts
9	DEMA-9PTI	DEMA-9PTI-FO	DEMAE-9PTI	DEMAE-9PTI-FO	DEMAY-9PTI	DEMAY-9PTI-FO
15	DAMA-15PTI	DAMA-15PTI-FO	DAMAE-15PTI	DAMAE-15PTI-FO	DAMAY-15PTI	DAMAY-15PTI-FO
25	DBMA-25PTI	DBMA-25PTI-FO	DBMAE-25PTI	DBMAE-25PTI-FO	DBMAY-25PTI	DBMAY-25PTI-FO
37	DCMA-37PTI	DCMA-37PTI-FO	DCMAE-37PTI	DCMAE-37PTI-FO	DCMAY-37PTI	DCMAY-37PTI-FO
50	DDMA-50PTI	DDMA-50PTI-FO	DDMAE-50PTI	DDMAE-50PTI-FO	DDMAY-50PTI	DDMAY-50PTI-FO

Ordering Information

Crimp and Poke - Sockets

Zinc-Plated Shell with Yellow Chromate Finish

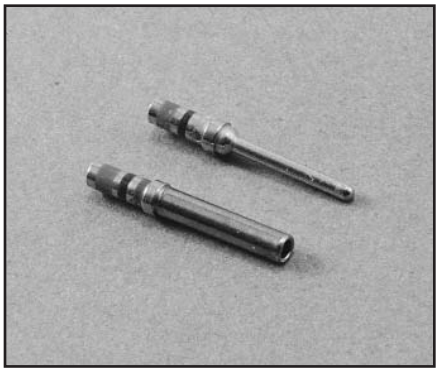
	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
Positions	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts
9	DEMA-9S	DEMA-9S-FO	DEMAE-9S	DEMAE-9S-FO	DEMAY-9S	DEMAY-9S-FO
15	DAMA-15S	DAMA-15S-FO	DAMAE-15S	DAMAE-15S-FO	DAMAY-15S	DAMAY-15S-FO
25	DBMA-25S	DBMA-25S-FO	DBMAE-25S	DBMAE-25S-FO	DBMAY-25S	DBMAY-25S-FO
37	DCMA-37S	DCMA-37S-FO	DCMAE-37S	DCMAE-37S-FO	DCMAY-37S	DCMAY-37S-FO
50	DDMA-50S	DDMA-50S-FO	DDMAE-50S	DDMAE-50S-FO	DDMAY-50S	DDMAY-50S-FO

Tin-Plated Shell

	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
Positions	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts	30µin. Gold Contacts	Without Contacts
9	DEMA-9ST	DEMA-9ST-FO	DEMAE-9ST	DEMAE-9ST-FO	DEMAY-9ST	DEMAY-9ST-FO
15	DAMA-15ST	DAMA-15ST-FO	DAMAE-15ST	DAMAE-15ST-FO	DAMAY-15ST	DAMAY-15ST-FO
25	DBMA-25ST	DBMA-25ST-FO	DBMAE-25ST	DBMAE-25ST-FO	DBMAY-25ST	DBMAY-25ST-FO
37	DCMA-37ST	DCMA-37ST-FO	DCMAE-37ST	DCMAE-37ST-FO	DCMAY-37ST	DCMAY-37ST-FO
50	DDMA-50ST	DDMA-50ST-FO	DDMAE-50ST	DDMAE-50ST-FO	DDMAY-50ST	DDMAY-50ST-FO

Crimp and Poke Machined Contacts

- Will accommodate 20, 22, and 24 AWG wire.



Ordering Information

Contacts

Description	
Pin	M39029/64-369
Socket	M39029/63-368