FEATURES

Cinch backshells are offered in a variety of styles, each having a specific strength.

- **Backshells** have two-piece construction and are frequently used where appearance is a major factor. RFI/EMI shielding capability is also an option:
  - Plastic Backshells: No shielding.
  - Metallized Plastic: Economical method of shielding.
  - Diecast Backshells: Maximum shielding.

- Cinch **SDH Series** backshells utilize Cinch's Latch-N-Lock™ system with quick release disconnect. Just squeeze the latch levers to release the connector. Also available with standard 4-40 mounting hardware.

- **Junction Shells** come in a variety of sizes and shapes including right-angle and low profile. They are generally of one-piece construction with an adjustable clamp, but there is no shielding.

- **Hoods** have an improved appearance versus junction shells but no shielding. They are all-plastic and come in right-angle or straight configurations.

- **Hardware,** in the form of adjustable grommets or strain relief clamps and 4-40 screws, is generally supplied with the product; however, a variety of optional hardware is also available in the accessories section of this catalog.

The following is a summary of the various backshells, junction shells, and hoods that Cinch offers:

Backshells

Type	2-Piece	2-Piece	2-Piece	2-Piece	Super-D Connection System	
Material	Plastic	Metallized	Diecast	Diecast	Black Plastic	Gray Plastic
Series	DPH	DCH	DMH	Ethernet	SDH - B	SDH - G
Shell Sizes*	E A B C	E A B C D	E A B C D	A	E A B C	E A B C
Cable Exit	180°	180°	180°	90°/180°	90°/180°	90°/180°
Fits Connector Series marked with "●":						
D*A Series	●	●	●	●	●	
HTD Series	●	●	●			
D*U Series	●	●	●	●	●	
Series 3	●	●	●	●	●	
T Series Metal Shell	●	●	●	●	●	
T Series All-Plastic						●
Basic D	●	●	●	●	●	
Series 1	●	●	●	●	●	

Junction Shells/Hoods

	Junction Shells					Hoods		
	Straight	Round	Rt. Angle	Deep Straight	Switching			
Type	Clamp	Clamp	Clamp	Clamp	Shell	Phenolic	Straight	Rt. Angle
Material	Metal	Metal	Metal	Metal	Metal	Plastic	Plastic	Plastic
Shell Sizes*	A B C D	A B C D	E A B C D	E A B C D	A B C D	A B	E A B	A B
Cable Exit	180°	180°	90°	180°	180°	180°	180°	90°
Fits Connector Series marked with "•":								
D*A Series	●	●	●	●	●	●	●	●
D*U Series	●	●	●	●	●	●	●	●
Series 3	●	●	●	●	●	●	●	●
T Series Metal Shell	●	●	●	●	●	●	●	●
T Series All-Plastic								
Basic D Series	●	●	●	●	●	●	●	●
Series 1	●	●	●	●	●	●	●	●

*Conversion Chart between Standard Density Connectors and HPD/HTD Series 1.5 Density Connectors

Shell Size	Standard D-sub	1.5 D-Sub HTD
E	9	15
A	15	26
B	25	44
C	37	62
D	50	N/A

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D-subminiature
Backshells - Two-Piece
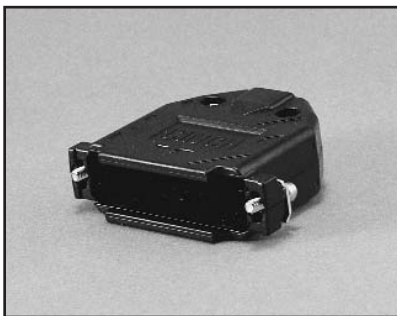## D*H Series

Cinch

- Standard two-piece construction available in plastic, metallized plastic, or diecast zinc versions with 180° straight cable entry.
- Fits standard metal shell D-subminiature plugs and sockets as well as HTD Series 1.5 D-subs.
- Ethernet hoods are available in diecast 15 position versions only with both 90° and 180° cable entry.
- Included in all backshells:
  - Hardware: 4-40 screws, hex nuts, 4-40 screw mounting bracket.
  - Grommets: To accommodate most cable sizes. Grommets also function as strain reliefs.
- Backshells are individually bagged.
- Note that slide locks may not be used with these backshells.
- Optional thumbscrew for backshell must be ordered separately if required.

Materials

- 4-40 screws, hex nuts, mounting bracket: Steel with zinc plating and clear chromate coating.
- Standard Backshells:
  - Plastic Backshells: ABS (black), hardware - steel with zinc plating, grommets - polyphenylene, (black).
  - Metallized Plastic Backshells: ABS with nickel over copper plating, hardware - steel with zinc plating, grommets - PVC (black).
  - Diecast Backshells: Diecast zinc, grommets - PVC (black).
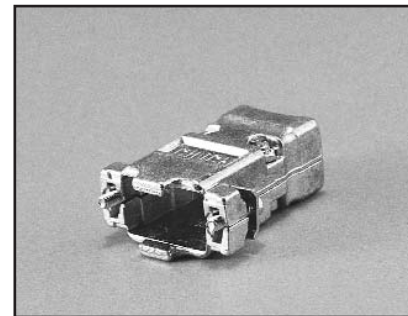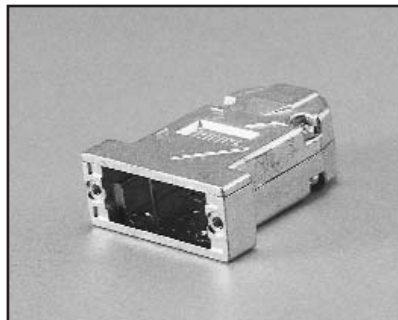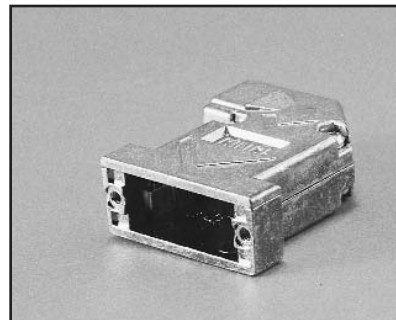- Ethernet Backshells: Diecast zinc, grommets - PVC (black).
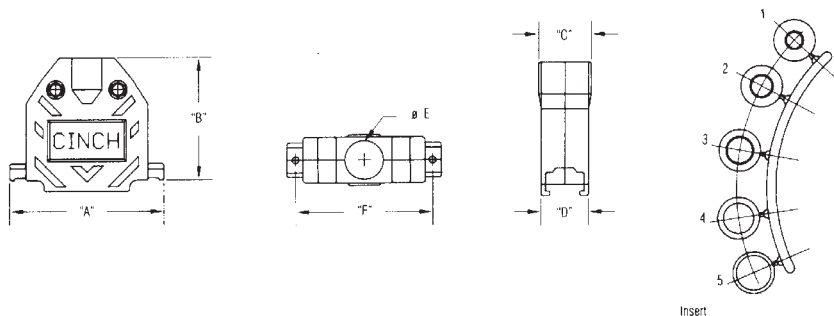
4

Plastic
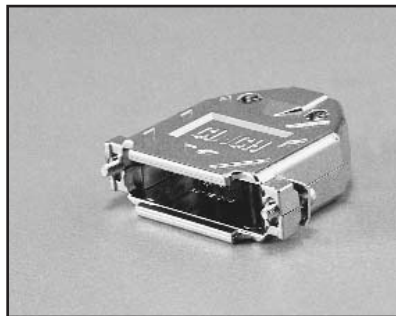
Metallized

Diecast

Ethernet Straight

Ethernet Right-Angle

D-subminiature Backshells - Two-Piece D*H Series

Cinch

Straight (180°) Standard Backshells

Plastic and Metallized Plastic Backshells

Dimensions

Shell Size	A in	A mm	B in	B mm	C in	C mm	D in	D mm	E in	E mm	F in	F mm
E	1.225	31.12	1.547	39.29	0.640	16.26	0.645	16.38	0.400	10.16	0.984	24.99
A	1.540	39.12	1.516	38.51	0.640	16.26	0.645	16.38	0.400	10.16	1.312	33.32
B	2.090	53.09	1.655	42.04	0.710	18.03	0.645	16.38	0.522	13.26	1.857	47.17
C	2.730	69.34	1.830	46.48	0.906	23.01	0.645	16.38	0.725	18.42	2.500	63.50
D	2.645	67.18	1.855	41.12	0.940	23.88	0.750	19.05	0.725	18.42	2.406	61.11

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D-subminiature
Backshells - Two-Piece
D*H Series

Cinch

EMI/RFI Shielded Diecast Backshells

9 and 15 Position
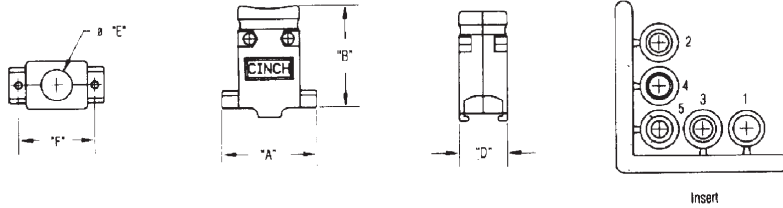
25 Position
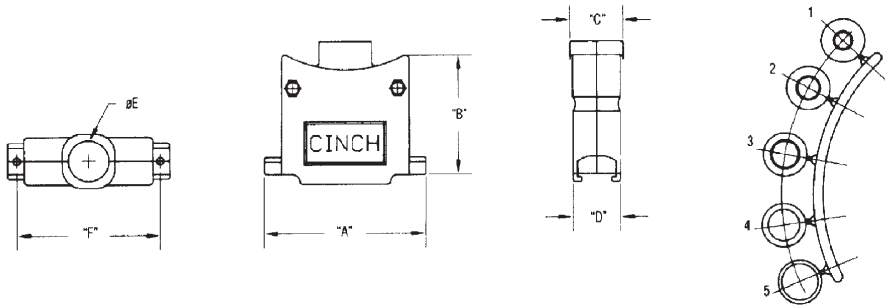
37 and 50 Position

Dimensions

Shell	A		B		C		D		E		F	
Size	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	1.225	31.12	1.465	37.21	0.620	15.75	0.620	15.75	0.400	10.16	0.984	24.99
A	1.540	39.12	1.600	40.64	0.620	15.75	0.620	15.75	0.400	10.16	1.312	33.32
B	2.090	53.09	1.570	39.88	0.690	17.53	0.620	15.75	0.525	13.34	1.857	47.17
C	2.730	69.34	1.810	45.97	0.862	21.89	0.620	15.75	0.725	18.42	2.500	63.50
D	2.624	66.65	1.800	45.72	0.862	21.89	0.730	18.54	0.725	18.42	2.406	61.11

Ordering Information

D*H Two-Piece Backshells

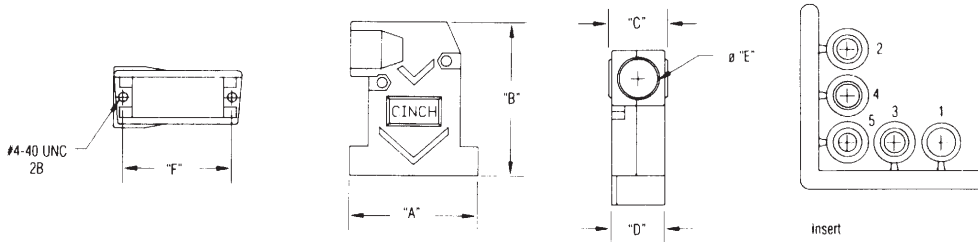| Shell Size	Fits Standard Density	Fits HTD 1.5 Density	Cable Entry Style	Plastic	Cable Dia. (in)	Metallized Plastic	Cable Dia. (in)	Diecast Metal	Cable Dia. (in)
E	9	15	Straight (180°)	DPH-E-001	.210-.320	DCH-E-001	.210-.350	DMH-E-001	.210-.320
A	15	26	Straight (180°)	DPH-A-001	.210-.320	DCH-A-001	.210-.350	DMH-A-001	.210-.320
B	25	44	Straight (180°)	DPH-B-001	.230-.450	DCH-B-001	.230-.450	DMH-B-001	.230-.450
C	37	62	Straight (180°)	DPH-C-001	.350-.650	DCH-C-001	.350-.640	DMH-C-001	.350-.650
D	50	N/A	Straight (180°)	DPH-D-001	.350-.650	DCH-D-001	.350-.640	DMH-D-001	.350-.640

Cinch

## Straight (180°) Diecast Ethernet Backshells
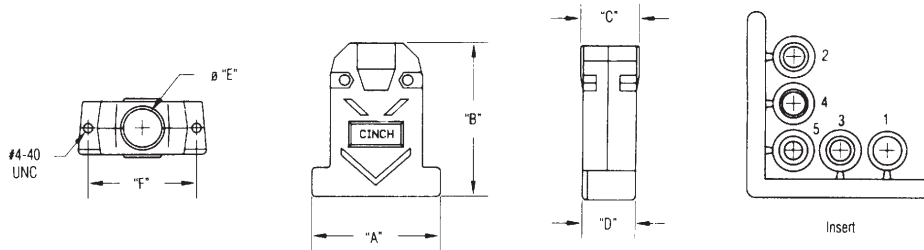
Type 2

Right-Angle (90°) Diecast Ethernet Backshells

Ordering Information

D*H Ethernet Diecast Backshells

Fits Shell Size	Fits Standard Density	Cable Diameter (in)	Cable Entry Style		A		B		C		D		E		F	
					in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	15	.210-.320	Straight (180°)	DMH-A-001XL	1.550	39.37	1.880	47.75	0.710	18.03	0.64	16.26	0.522	13.26	1.312	33.32
A	15	.210-.320	Rt. Angle (90°)	DMH-A-901X	1.550	39.37	1.880	47.75	0.710	18.03	0.64	16.26	0.522	13.26	1.312	33.32
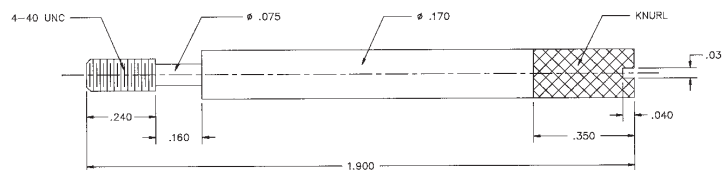
THUMBSCREWS (OPTIONAL) FOR D*H BACKSHELLS
Order #4-40-THMB-1 (two each required per backshell).
(Will not work with ethernet type backshells)

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