

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.

D-subminiature Backshells/Junction Shells/Hoods Accessories



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

Type	Junction Shells					Hoods		
	Straight Clamp	Round Clamp	Rt. Angle Clamp	Deep Straight Clamp	Switching Shell	Phenolic	Straight Plastic	Rt. Angle Plastic
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

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

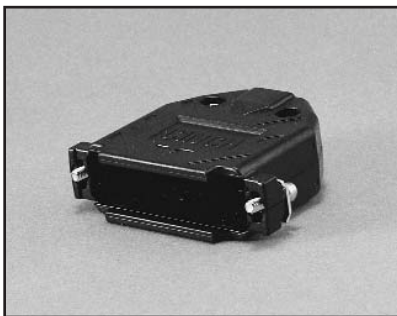


- Standard two-piece construction available in plastic, metallized plastic, or diecast zinc versions with 180° straight cable entry.
- Fits standard metal shell D-subminiature plugs and sockets as well as HTD Series 1.5 D-sub.
- Ethernet hoods are available in diecast 15 position versions only with both 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.

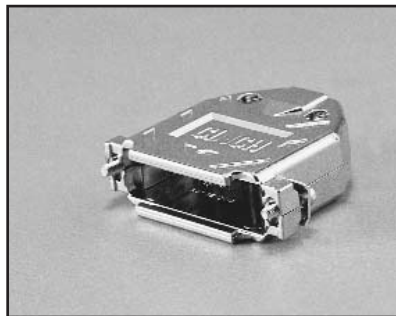
Materials

- 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).

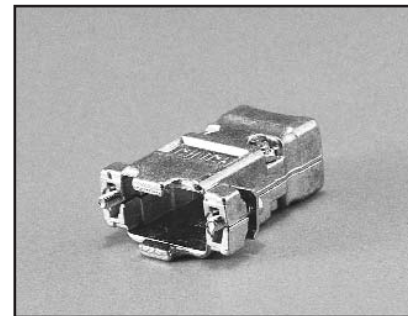
4



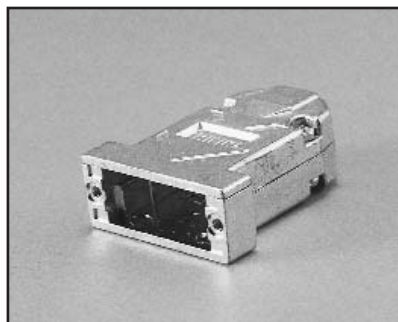
Plastic



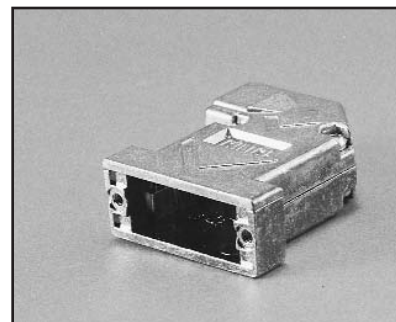
Metallized



Diecast



Ethernet Straight



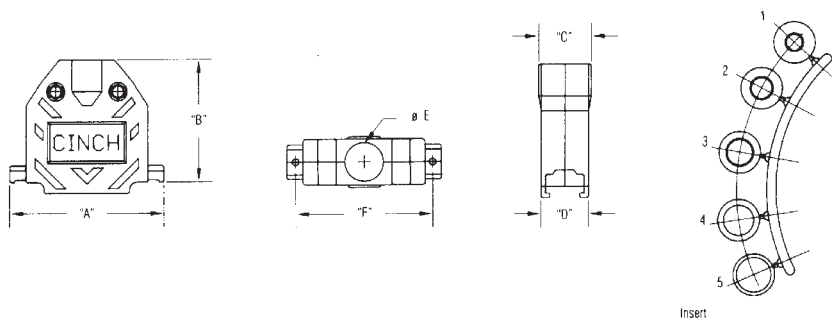
Ethernet Right-Angle

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



Straight (180°) Standard Backshells

Plastic and Metallized Plastic Backshells



Dimensions

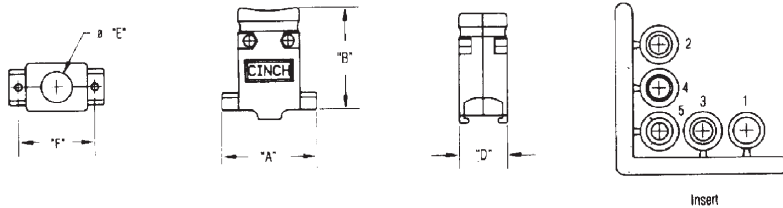
Shell Size	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	1.225	31.12	1.547	39.29	0.640	16.26	0.645	16.38	0.400	10.16	0.984	24.99
A	1.540	39.12	1.516	38.51	0.640	16.26	0.645	16.38	0.400	10.16	1.312	33.32
B	2.090	53.09	1.655	42.04	0.710	18.03	0.645	16.38	0.522	13.26	1.857	47.17
C	2.730	69.34	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

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

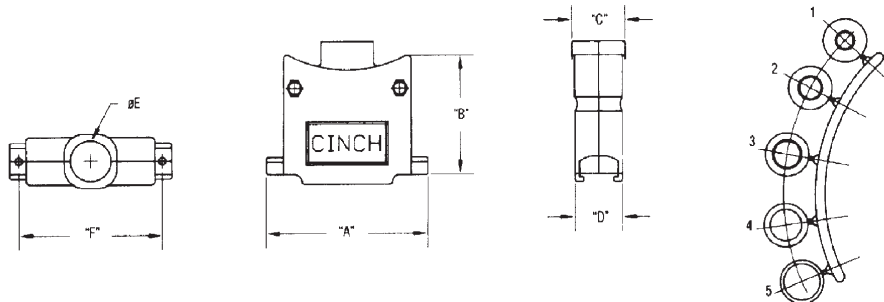


EMI/RFI Shielded Diecast Backshells

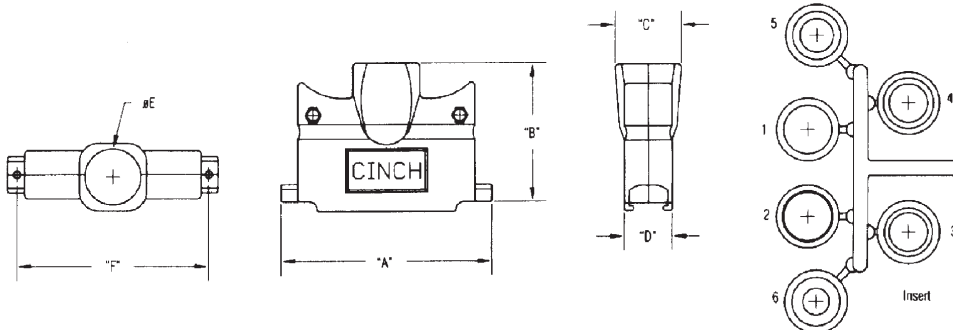
9 and 15 Position



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

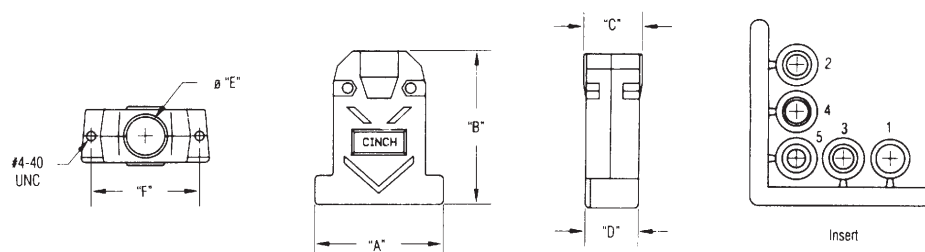
D*H Two-Piece Backshells

Shell	Fits	Fits	Cable Entry		Cable	Metallized	Cable	Diecast	Cable
Size	Standard	HTD 1.5	Style	Plastic	Dia. (in)	Plastic	Dia. (in)	Metal	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

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

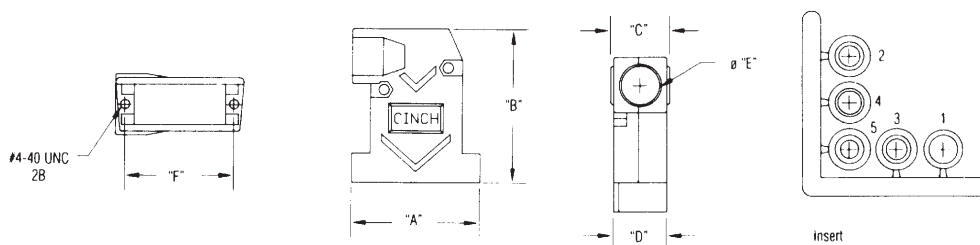


Straight (180°) Diecast Ethernet Backshells



Type 2

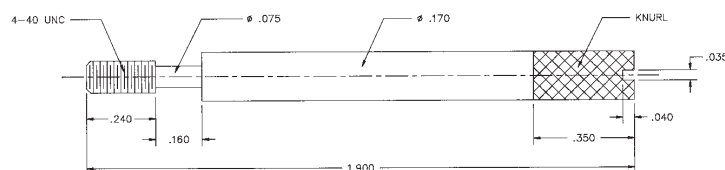
Right-Angle (90°) Diecast Ethernet Backshells



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)