



***Selecting the Right
Backshell
for your Application!***

Step #1

What Type of Material?

- Die Cast – Nickel
- Die Cast – Black
- Metalized Plastic
- Black Plastic
- Grey Plastic
- Plastic - Assorted Colors
 - Available only on 972 Series

Step #2

What Degree Cable Exit / Entry?

- **180° (Straight)**
- **90°**
- **60°**
- **45°**
- **40°**
- **35°**

Step #3

What Type of Hardware?

Standard:

- #4-40 Mating Screws
- #4-40 Thumbscrews

Other (Sold Separate):

- M2.5
- M2.6
- M3
- Slide Locks
- Quick Lock Posts
- Grommets

Step #4

What Type of Strain Relief?

- Mechanical
 - Requires a tool to assemble
- Compression
 - Does not Require any tools to assemble

NorComp

Quick Reference Guide To Backshells

Series	Material				Cable Entry							Hardware			Strain Relief Type	
	Die Cast Nickel (70 db)	Die Cast Black Chromate	Metalized Plastic (60 db)	Plastic (Std. Colors)	180°	90°	60°	45°	40°	35°	3-Way	Standard		Other Hardware Types Available		
												4-40 Mating Screws	4-40 Thumb Screws			
950			X	Black			X						X		M3	Mechanical
951			X	Black			X							X	M3	Mechanical
952	X				X									X	M2.5-M3-M2.6	Mechanical
953	X										X			X	M2.5-M3-M2.6	Mechanical
954	X							X							Slide Lock	Compression
955	X		X	Black	X			X							Quick Lock	Mechanical
956			X	Grey & Black	X								X			Compression
957				Grey & Black									X			N/A
970	X	X	X	Black	X									X	M2.5-M3-M2.6	Compression
971	X	X	X	Black				X						X	M2.5-M3-M2.6	Compression
972				Multi-colors	X									X	M2.5-M3-M2.6	Mechanical
973			X	Black	X									X		Mechanical
974			X	Black					X					X		Mechanical
975			X	Black								X	X			Mechanical
976			X	Grey	X								X			Compression
977			X	Grey	X								X			Mechanical
978			X	Grey	X								X			Screw
979	X		X	Grey	X								X			Compression
981	X					X								X	Slide Lock	Compression
982			X	Grey	X	X							X			Mechanical
983			X	Grey & Black	X								X			Mechanical
993			X	Grey				X						X		Mechanical
994	X				X										Slide Lock	Mechanical
RJADK			X	Grey & Black										X		N/A

NorComp Backshell Part Number Key:

<u>XXX</u>	-	<u>XXX</u>	-	<u>XXX</u>	-	<u>R</u>	-	<u>XX</u>	-	<u>X</u>
Series		Positions		Material		RoHS		Color		Put-up
950		9		010 = Plastic				01 = Black		1 = Kit
951		15		020 = Metalized Plastic				02 = White		2 = Bulk
952		25		030 = Nickel Die Cast				03 = Grey		
953		37		040 = Black Chromate Die Cast				04 = Green		
954		50						05 = Brown		
955								06 = Red		
956								07 = Blue		
957								08 = Yellow		
970								09 = Beige		
971								12 = Metal(ized)		
972										
973										
974										
975										
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978										
979										
981										
982										
983										
993										
994										
RJADK										

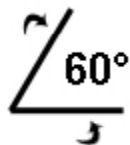
Note: All Options are not available with all Series - Please check Web Site for additional information.

www.norcomp.net



**950 - 957, RJADK Series
BACKSHELLS**

950 SERIES

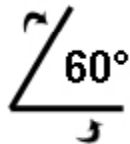


- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 60°
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Mating Screws
 - Strain Relief Clamp w/ (2) Screws

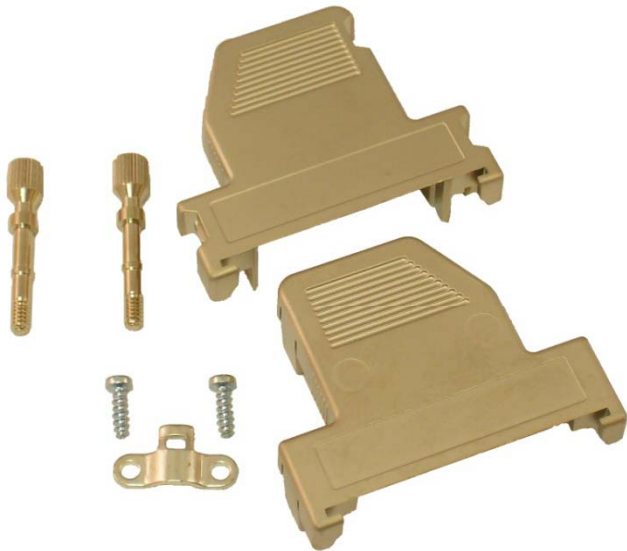
950 SERIES



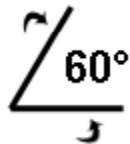
- Ideal for Narrow Area Applications
- Easy Snap Together Design for Reducing Assembly Cost
- Hood is same Thickness as Standard D-Subs
- Includes #4-40 Mating Screws



951 SERIES



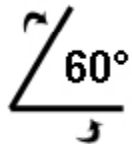
- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 60°
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - Strain Relief Clamp w/ (2) Screws



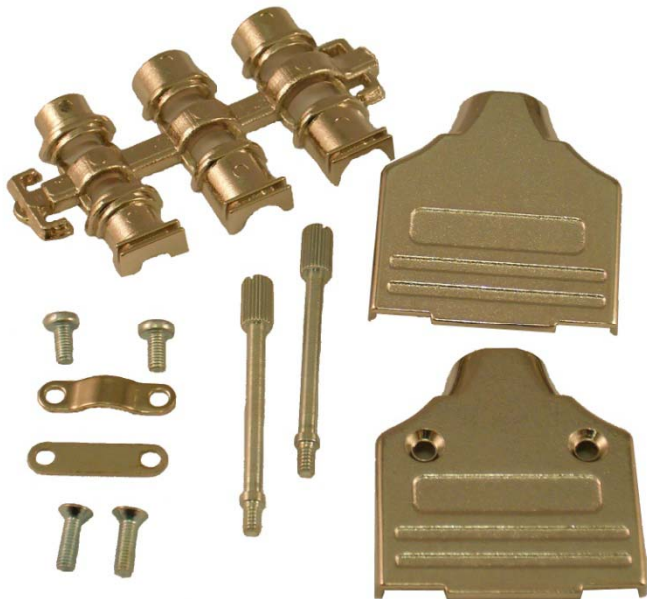
951 SERIES



- Ideal for Narrow Area Applications
- Easy Snap Together Design for Reducing Assembly Cost
- Hood is same Thickness as Standard D-Subs
- Includes #4-40 Thumbscrews



952 SERIES



- **Material:** Die Cast – Nickel
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical & Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - Strain Relief Clamps w/ (2) Screws
 - (2) Mounting Screws
 - 3 Sets of Metalized Plastic Inserts

952 SERIES

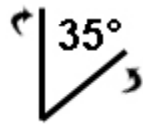


- **More Robust Design for Those Areas That Need It**
- **360° Shielding with Mechanical Strain Relief**
- **Perimeter sealing dips for secure assembly**

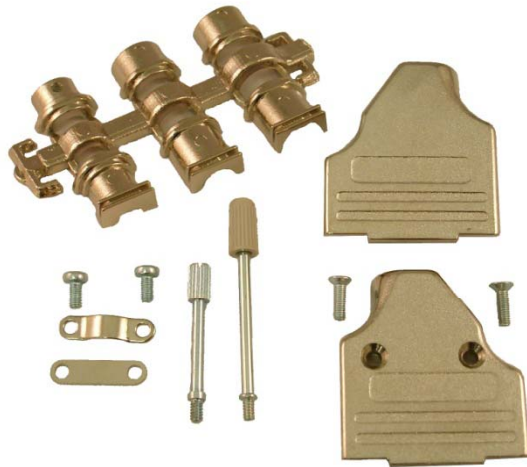
953 SERIES



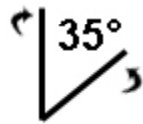
- **Material:** Die Cast – Nickel
- **Cable Exit:** 35°
- **Strain Relief Type:** Mechanical & Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - Strain Relief Clamps w/ (2) Screws
 - (2) Mounting Screws
 - 3 Sets of Metalized Plastic Inserts



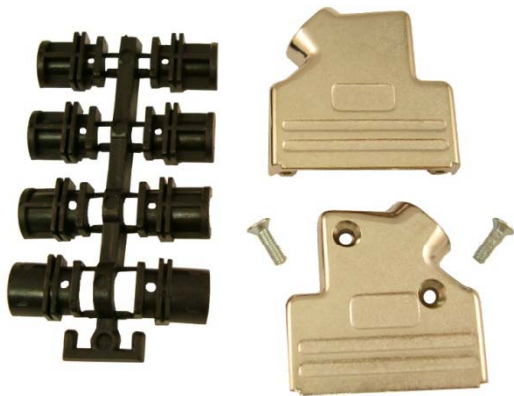
953 SERIES



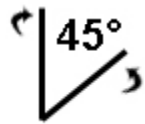
- **More Robust Design for Those Areas That Need It**
- **360° Shielding with Mechanical Strain Relief**
- **Perimeter sealing dips for secure assembly**
- **Fully Tapped assembly holes for easy assembly**



954 SERIES



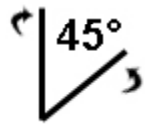
- **Material:** Die Cast – Nickel
- **Cable Exit:** 45°
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) Mounting Screws
 - 4 Sets of Black Plastic Inserts



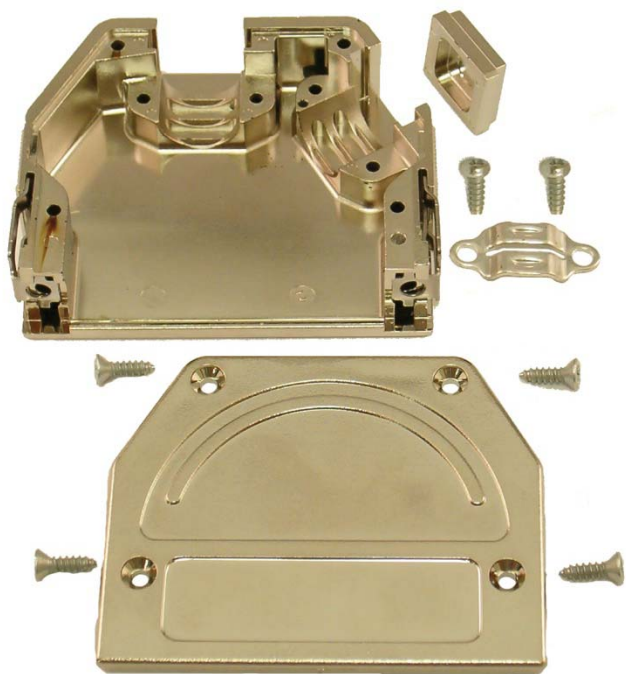
954 SERIES



- **Die Cast** for excellent shielding
- **Easy Assembly** reduces manufacturing costs
- **Additional Hardware** (Sold Separately)
 - Slide Locks & Posts

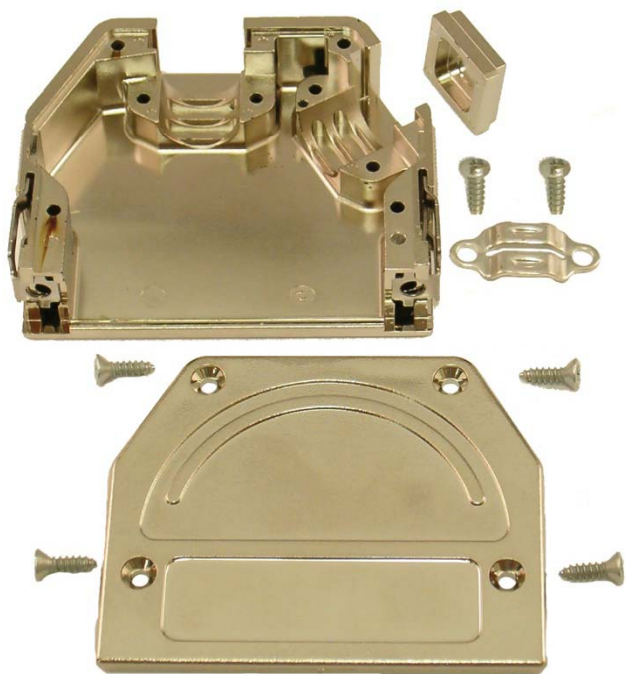


955 SERIES



- **Material:** Die Cast
Metalized Plastic
Black Plastic
- **Cable Exit:** 45° / 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (4) Mounting Screws
 - Strain Relief Clamp w/ (2) Screws
 - Cable Exit Block Plates

955 SERIES



- **Ideal for High Vibration Environments**
 - Aviation, Testing Equipment, Etc...
- **New Locking system allows for single hand removal / mating with secure latching**
- **Cable Exit Options:**
 - Plastic/Metalized: (2-Way): 9, 15, 25 Positions
(3-Way): 37 Position
 - Die Cast: (2-Way): 9 Position
(3-Way): 15, 25, 37 Positions
- **Additional Hardware:**
 - Quick Lock Posts

956 SERIES



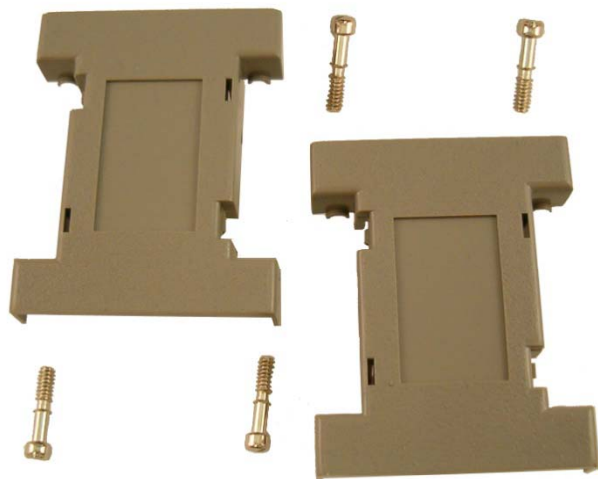
- **Material:** Metalized Plastic
Black Plastic
Grey Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25
- **Supplied Hardware:**
 - (2) Jackscrews
 - Strain Relief (2-Parts)

956 SERIES



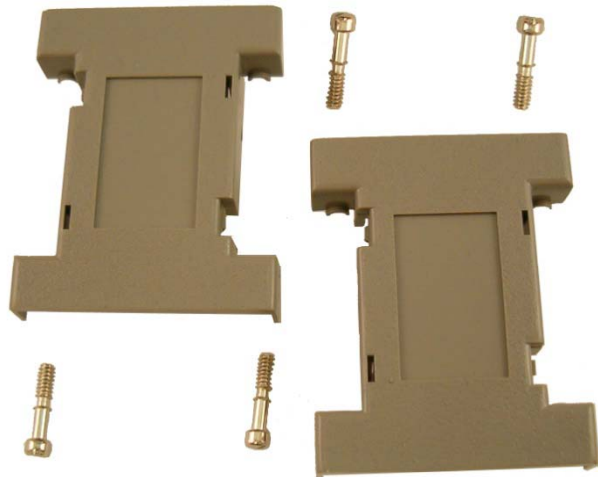
- **Snap Together Design Allows Low Cost Assembly**
- **Quick Assembly Strain Relief Allows Positive Retention**
- **Available in 3 Different Materials**

957 SERIES



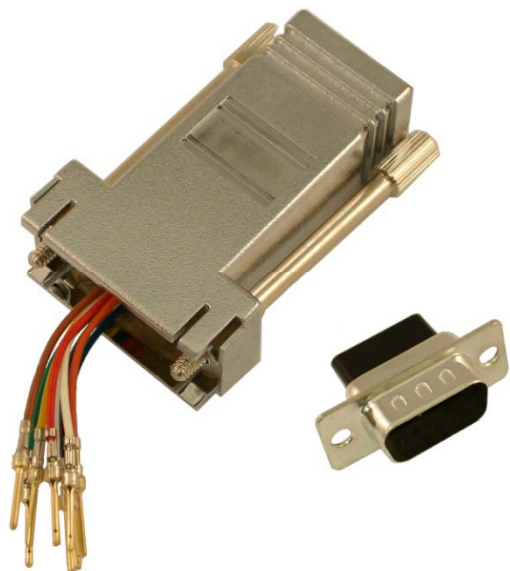
- **Material:** Metalized Plastic
Black Plastic
Grey Plastic
- **Type:** Gender Changer
- **Strain Relief Type:** N/A
- **Available Positions:**
 - 9-to-9, 15-to-15, 25-to-25, 9-to-25
- **Supplied Hardware:**
 - (4) Jackscrews

957 SERIES



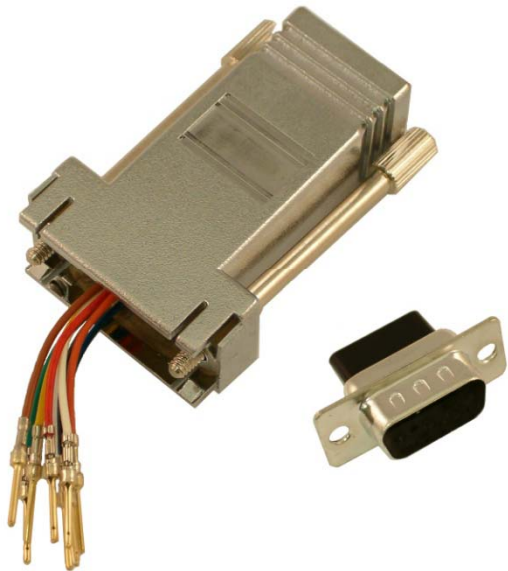
- **Snap Together Design Allows Low Cost Assembly**
- **Internal Cavity Designed for PCB's**
- **#4-40 Mating screws provide secure connection to your mating connector**

RJADK SERIES



- **Material:** Metalized Plastic
Black Plastic
Grey Plastic
- **Type:** RJ45 to D-Sub Adapter
- **Strain Relief Type:** N/A
- **Available Positions:**
 - RJ-to-9, RJ-to-15, RJ-to-25
- **Supplied Hardware:**
 - Backshell w/ Thumbscrews
 - D-Sub Connector

RJADK SERIES



- **Contacts Pre-Crimped onto Conductors** (No Crimp tool Required)
- **Snap Together Design Allows Low Cost Assembly**
- **#4-40 Thumbscrews Supplied Pre-Installed in Backshell**
- **Available in 3 Different Materials**



970 - 994 Series
BACKSHELLS

970 SERIES



- **Material:** Die Cast - Nickel
Die Cast - Black
Metalized Plastic
Black Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Spring
 - 2-Piece Grommet Set (Various I.D.)

970 SERIES



- **More robust design for those areas that need it**
- **Fully tapped holes for easy assembly (Die Cast Option)**
- **Perimeter sealing dips for secure assembly**

971 SERIES

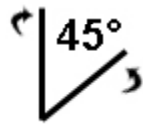


- **Material:** Die Cast - Nickel
Die Cast - Black
Metalized Plastic
Black Plastic
- **Cable Exit:** 45°
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Spring
 - 2-Piece Grommet Set (Various I.D.)

971 SERIES



- **More Robust Design for Those Areas That Need It**
- **Fully Tapped Holes for easy assembly (Die Cast Option)**
- **Perimeter sealing dips for secure assembly**



972 SERIES



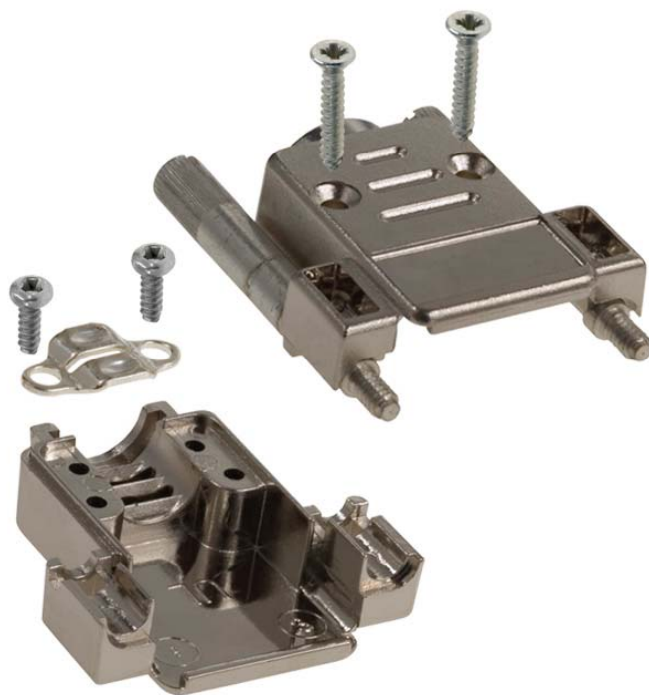
- **Material:** Plastic – (Various Colors)
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - Strain Relief Clamp w/ Screws
 - Plastic Strain Relief

972 SERIES



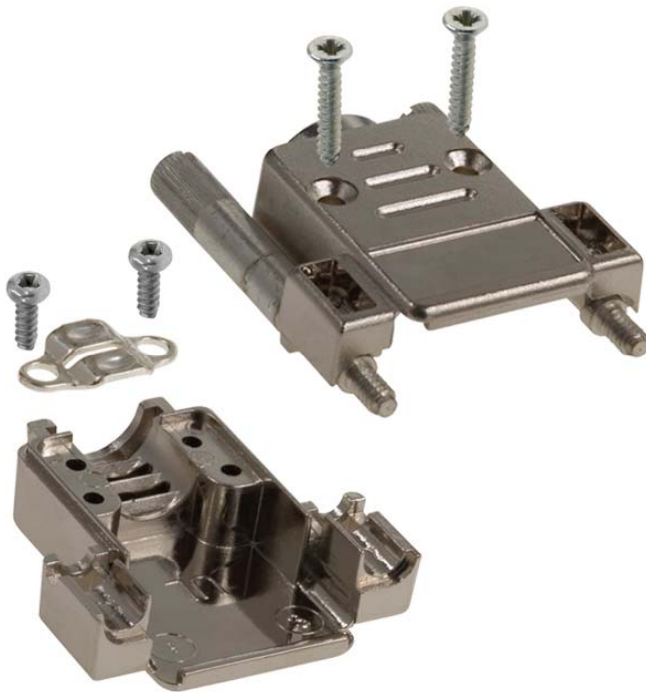
- **Clam Shell Design aids assembly, reducing manufacturing cost**
- **Wide Range of Colors available for coding / brand identification**
- **Perimeter sealing dips for secure assembly**
- **Slim Line Design for critical space requirements**

973 SERIES



- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Clamp w/ Screws

973 SERIES

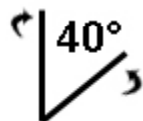


- **Perimeter sealing dips for secure assembly**
- **Metalized Plastic Provides up to a 60dB shield effectiveness rating**
- **Easy assembly reduces manufacturing cost**

974 SERIES



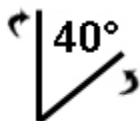
- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 40° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Clamp w/ Screws



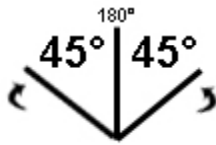
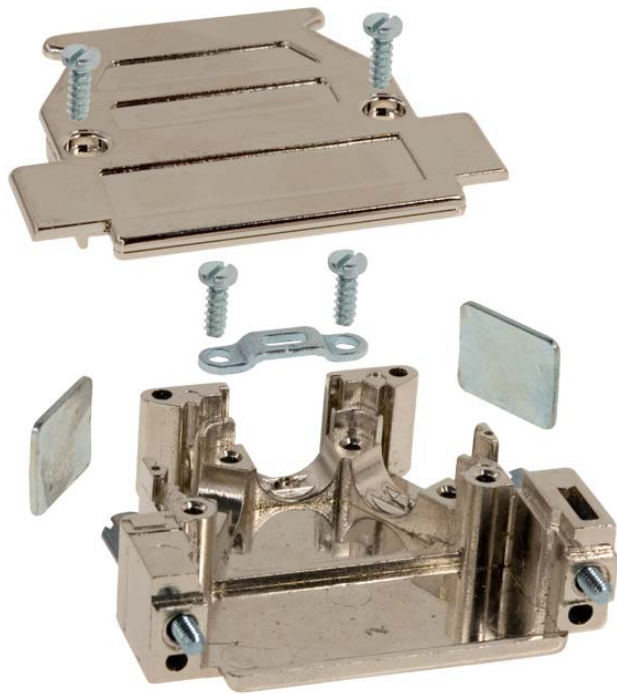
974 SERIES



- 40° Cable exit and low profile design allow for use in racking, where space is a premium
- Perimeter sealing dips for secure assembly
- Metalized Plastic Provides up to a 60dB shield effectiveness rating



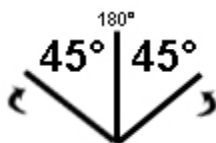
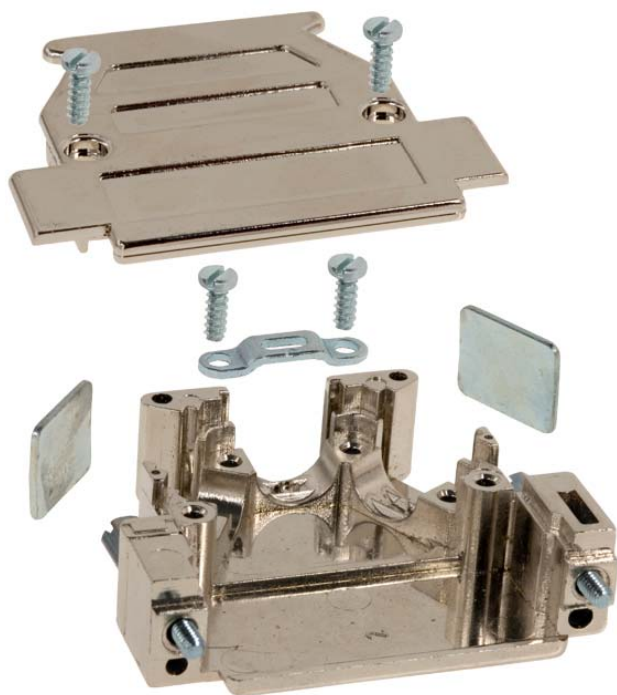
975 SERIES



- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 3-Way
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Clamp w/ Screws
 - Block Off Plate(s)

Consult Factory for Availability

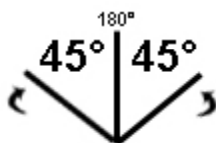
975 SERIES



- Multiple Cable Exits allow for unique customization
- #4-40 Thumbscrews are pre-installed for easy assembly
- Metalized Plastic Provides up to a 60dB shield effectiveness rating
- 9 Position backshell only has 180° cable exit option

Consult Factory for Availability

975T SERIES

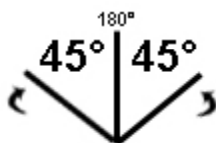


- **Material:** Metalized Plastic
Black Plastic
- **Cable Exit:** 3-Way
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws
 - Strain Relief Clamp w/ Screws
 - Block Off Plate(s)

975T SERIES



- Multiple Cable Exits allow for unique customization
- #4-40 Thumbscrews are pre-installed for easy assembly
- Metalized Plastic Provides up to a 60dB shield effectiveness rating



976 SERIES



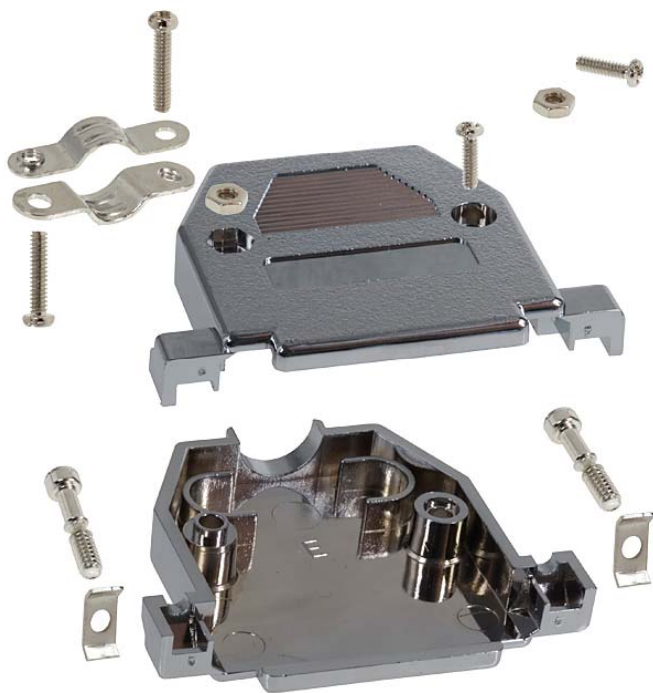
- **Material:** Metalized Plastic
Grey Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25, 37
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - (2) Mounting Screws w/ Nuts

976 SERIES



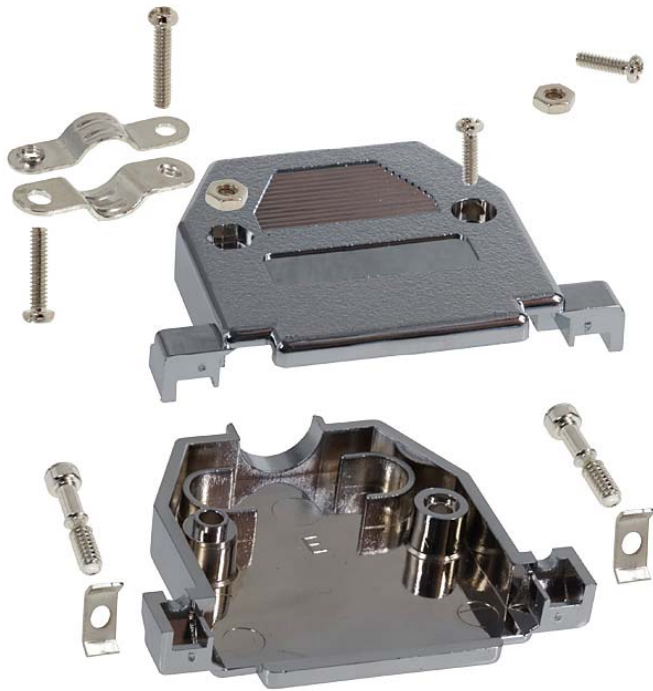
- Works with most industry standard IDC ribbon D-Sub connectors
- Metalized Plastic Provides up to a 60dB shield effectiveness rating
- Perimeter sealing dips for secure assembly
- Internal Strain Relief built into backshell (No additional Parts)

977 SERIES



- **Material:** Metalized Plastic
Grey Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - (2) Mounting Screws w/ Nuts
 - Strain Relief Clamps w/ screws
 - (2) Saddle Washers

977 SERIES



- **Internal Strain Relief eliminates the need for grommets**
- **Metalized Plastic Provides up to a 60dB shield effectiveness rating**
- **Perimeter sealing dips for secure assembly**
- **Easy assembly reduces manufacturing cost**

978 SERIES



- **Material:** Metalized Plastic
Grey Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Screw
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - (2) Mounting Screws w/ Nuts
 - Screw Type Strain Relief
 - (2) Saddle Washers

978 SERIES



- **Strain Relief Design ensures secure fit no matter what cable diameter is used**
- **Metalized Plastic Provides up to a 60dB shield effectiveness rating**
- **Perimeter sealing dips for secure assembly**
- **Easy assembly reduces manufacturing cost**

979 SERIES



- **Material:** Die Cast – Nickel
Metalized Plastic
Grey Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - (2) Mounting Screws w/ Nuts
 - 4-piece Grommet Set
 - (2) Saddle Washers

979 SERIES



- **Strain Relief Design ensures secure fit no matter what cable diameter is used**
- **Die Cast - Nickel Provides up to a 70dB shield effectiveness rating**
- **Perimeter sealing dips for secure assembly**
- **Easy assembly reduces manufacturing cost**

981 SERIES



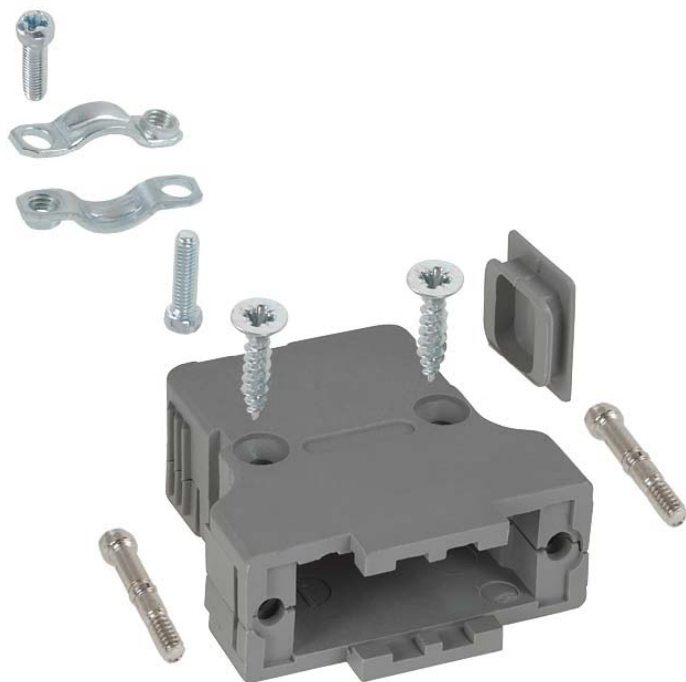
- **Material:** Die Cast – Nickel
- **Cable Exit:** 90°
- **Strain Relief Type:** Compression
- **Available Positions:** 9, 15, 25
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews (Option -130R)
 - (3) Mounting Screws
 - 4-piece Grommet Set

981 SERIES



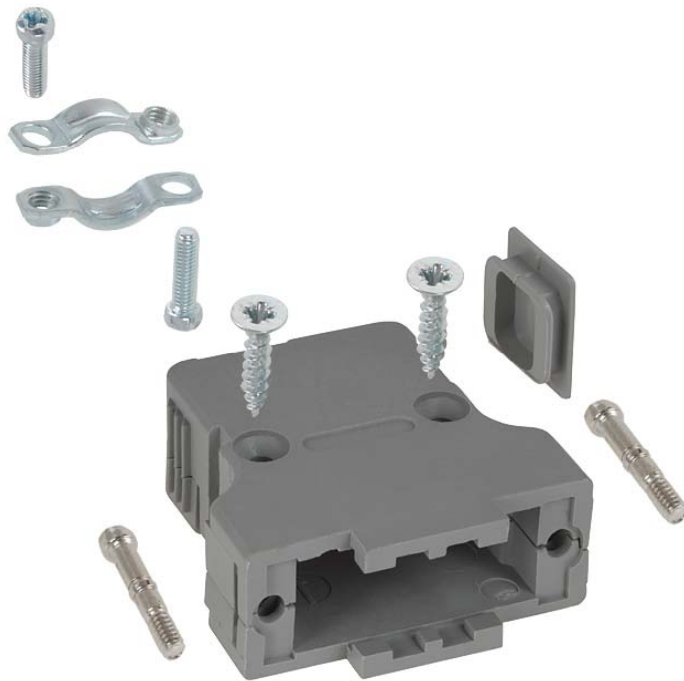
- Fully tapped holes for easy assembly
- Die Cast - Nickel Provides up to a 70dB Shield effectiveness rating
- Perimeter sealing dips for secure assembly

982 SERIES



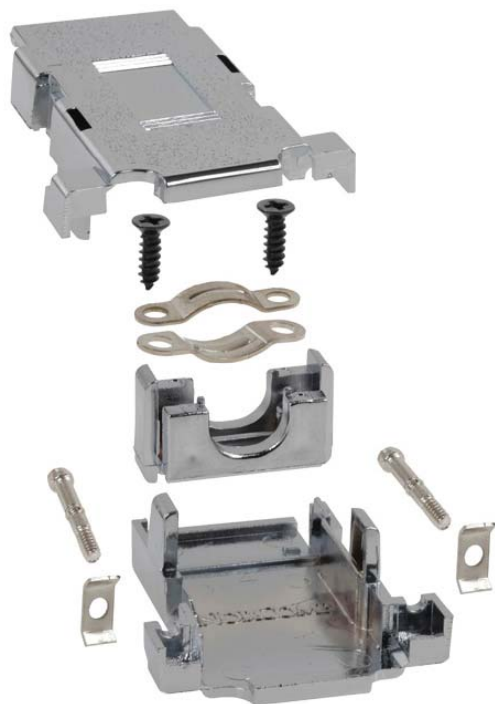
- **Material:** Metalized Plastic
Grey Plastic
- **Cable Exit:** 90° / 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - (2) Mounting Screws
 - Strain Relief w/ screws
 - Block off Plate(s)

982 SERIES



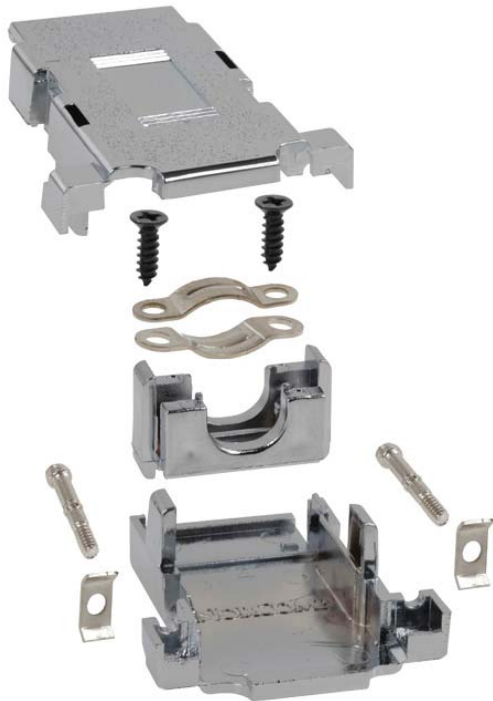
- **Strain Relief Design ensures secure fit no matter what cable diameter is used**
- **Metalized Plastic Provides up to a 60dB Shield effectiveness rating**
- **Perimeter sealing dips for secure assembly**
- **Easy assembly reduces manufacturing cost**

983 SERIES



- **Material:** Metalized Plastic
Grey Plastic
Black Plastic
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25, 37, 50
- **Supplied Hardware:**
 - (2) #4-40 Mating screws
 - Strain Relief w/ screws
 - (2) Saddle Washers

983 SERIES

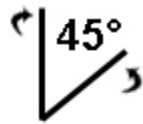


- Cable clamp with self tapping screws provide positive strain relief
- Metalized Plastic Provides up to a 60dB Shield effectiveness rating
- Perimeter sealing dips for secure assembly
- Can be used as a gender changer, pin-out changer, or standard D-sub Backshell

993 SERIES



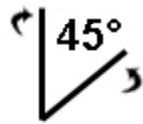
- **Material:** Metalized Plastic
Grey Plastic
- **Cable Exit:** 45°
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 25
- **Supplied Hardware:**
 - (2) #4-40 Thumbscrews
 - (2) Mounting Screws w/ nuts
 - Strain Relief w/ screws



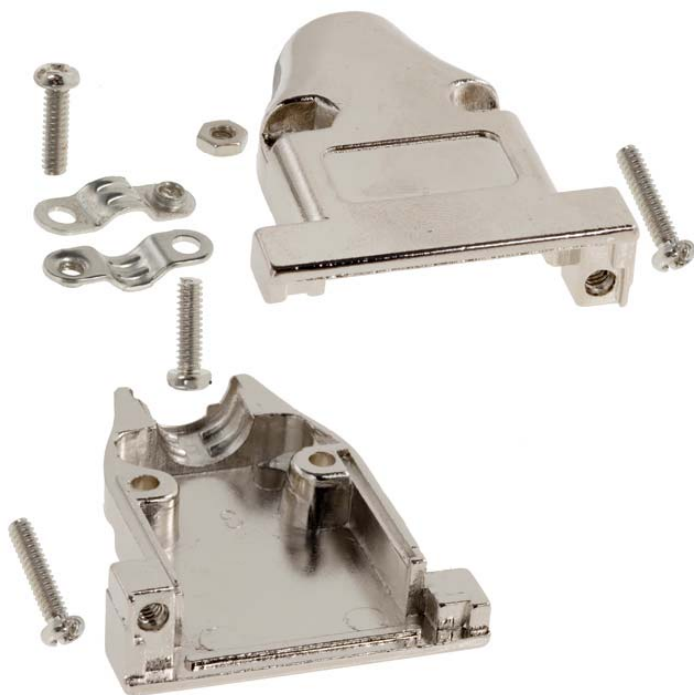
993 SERIES



- **Strain Relief Design ensures secure fit no matter what cable diameter is used**
- **Metalized Plastic Provides up to a 60dB Shield effectiveness rating**
- **Perimeter sealing dips for secure assembly**
- **Easy assembly reduces manufacturing costs**

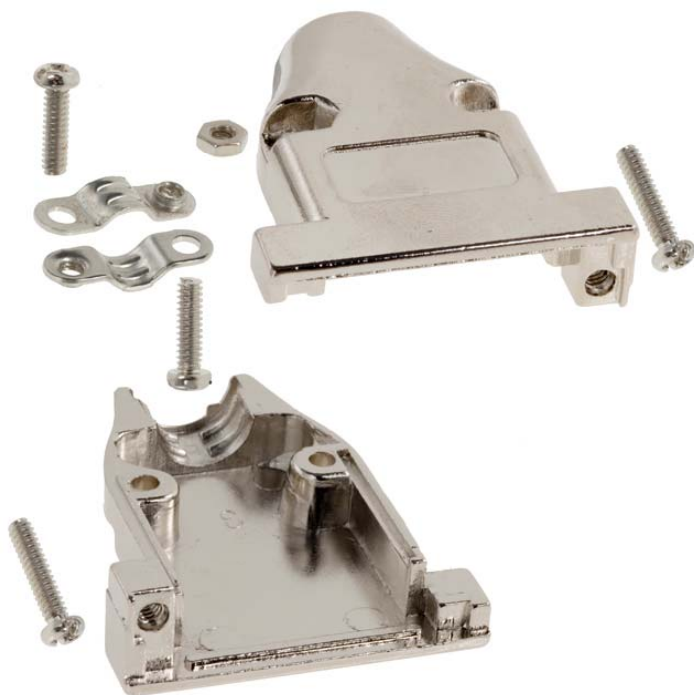


994 SERIES



- **Material:** Die Cast - Nickel
- **Cable Exit:** 180° (Straight)
- **Strain Relief Type:** Mechanical
- **Available Positions:** 9, 15, 25
- **Supplied Hardware:**
 - (2) Mounting Screws w/ nuts
 - Strain Relief w/ screws

994 SERIES



- Slide Lock & Grommets can be purchased separately for this backshell series
- Die Cast - Nickel Provides up to a 70dB Shield effectiveness rating
- Perimeter sealing dips for secure assembly
- Easy assembly reduces manufacturing costs



- Physical Address: 3300 International Airport Drive
Suite #200
Charlotte, NC 28208
- Telephone Numbers: 800-849-4450 (Toll Free)
(704) 424-5448 (Local)
(704) 424-5648 (Fax)
- E-Mail Addresses: sales@norcomp.net
info@norcomp.net
eng@norcomp.net