

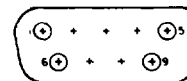
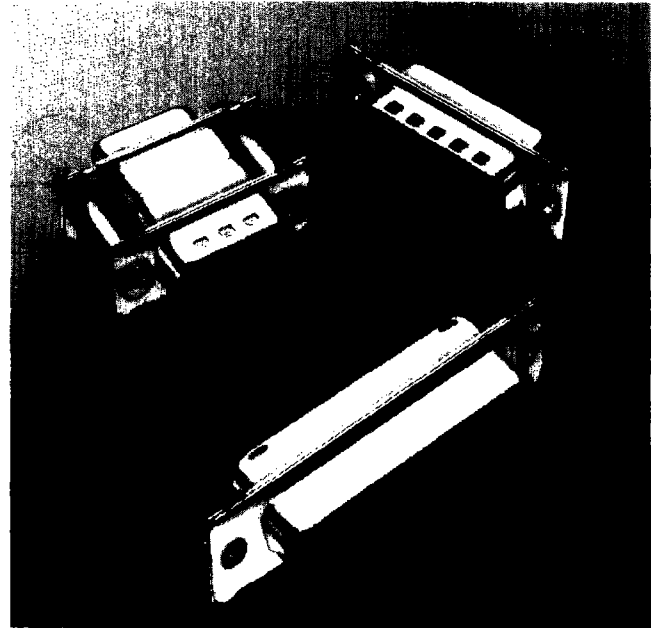
Filtered AMPLIMITE Subminiature D Connectors for Commercial Application

AMPLIMITE Subminiature D Connectors are versatile and widely used connectors. AMP has designed and built into these connectors a proven, rugged and inexpensive filter that eliminates the problem of conducted electromagnetic interference (EMI). These connectors also conform to FCC regulations which may require the use of filtering to limit EMI in computing devices.

High performance Subminiature D connectors are offered with two types of filters—distributed element and capacitive. They are provided with a variety of termination choices such as solder cup,

straight post and right-angle post. Various types of accessories are available to meet the needs of many applications.

AMP also produces an extensive line of AMPLIMITE Subminiature D connectors that mate with the Quiet Line filtered connectors. These connectors are available with a choice of termination styles such as crimp snap-in contacts, posted contacts, insulation displacement contacts and contacts to terminate round conductor flat ribbon cable. For more information on these connectors request Catalog No. 82068.



Plug Insert
Arrangement

9 Position Sub. D Connectors with Distributed Element Filters

Filter Type	Mounting Style	Part Numbers						
		Plug Assemblies with Pin Contacts			Receptacle Assemblies with Socket Contacts			Plug-Receptacle Adapters
		Termination Type			Termination Type			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
DC	.120 [3.05] Mounting Hole	842900-1	842910-1	842920-1	842905-1	842915-1	842925-1	
	4-40 Clinch Nut	842900-8	842910-8	842920-8	842905-8	842915-8	842925-8	842930-8
DB	.120 [3.05] Mounting Hole	842900-2	842910-2	842920-2	842905-2	842915-2	842925-2	842930-2'
	4-40 Clinch Nut	842900-9	842910-9	842920-9	842905-9	842915-9	842925-9	842930-9
DA	.120 [3.05] Mounting Hole	842900-3	842910-3	842920-3	842905-3	842915-3	842925-3	842930-3'
	4-40 Clinch Nut	1-842900-0	1-842910-0	1-842920-0	1-842905-0	1-842915-0	1-842925-0	1-842930-0
DG	.120 [3.05] Mounting Hole	842900-4	842910-4	842920-4	842905-4	842915-4	842925-4	842930-4'
	4-40 Clinch Nut	1-842900-1	1-842910-1	1-842920-1	1-842905-1	1-842915-1	1-842925-1	1-842930-1
DF	.120 [3.05] Mounting Hole	842900-5	842910-5	842920-5	842905-5	842915-5	842925-5	842930-5'
	4-40 Clinch Nut	1-842900-2	1-842910-2	1-842920-2	1-842905-2	1-842915-2	1-842925-2	1-842930-2
DE	.120 [3.05] Mounting Hole	842900-6	842910-6	842920-6	842905-6	842915-6	842925-6	842930-6'
	4-40 Clinch Nut	1-842900-3	1-842910-3	1-842920-3	1-842905-3	1-842915-3	1-842925-3	1-842930-3
DD	.120 [3.05] Mounting Hole	842900-7	842910-7	842920-7	842905-7	842915-7	842925-7	842930-7'
	4-40 Clinch Nut	1-842900-4	1-842910-4	1-842920-4	1-842905-4	1-842915-4	1-842925-4	1-842930-4

¹ This Adapter has Standard Hardware.
Note: For accessories, see page 8023.

SOURCE: Catalog 82061

Specifications
subject to change.

1-800-522-6752
Product Information Center/ AMP FAX Service

1-800-722-1111
Tooling/Technical Assistance Center

15 Position Sub. D Connectors with Distributed Element Filters

Plug Insert Arrangement

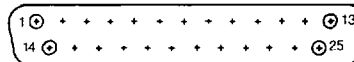


Part Numbers								
Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Receptacle Assemblies with Socket Contacts			Plug-Receptacle Adapters
		Termination Type			Termination Type			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02]Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
DC	.120 [3.05] Mounting Hole	842901-1	842911-1	842921-1	842906-1	842916-1	842926-1	842931-1'
	4-40 Clinch Nut	842901-8	842911-8	842921-8	842906-8	842916-8	842926-8	842931-8
DB	.120 [3.05] Mounting Hole	842901-2	842911-2	842921-2	842906-2	842916-2	842926-2	842931-2'
	4-40 Clinch Nut	842901-9	842911-9	842921-9	842906-9	842916-9	842926-9	842931-9
DA	.120 [3.05] Mounting Hole	842901-3	842911-3	842921-3	842906-3	842916-3	842926-3	842931-3'
	4-40 Clinch Nut	1-842901-0	1-842911-0	1-842921-0	1-842906-0	1-842916-0	1-842926-0	1-842931-0
DG	.120 [3.05] Mounting Hole	842901-4	842911-4	842921-4	842906-4	842916-4	842926-4	842931-4'
	4-40 Clinch Nut	1-842901-1	1-842911-1	1-842921-1	1-842906-1	1-842916-1	1-842926-1	1-842931-1
DF	.120 [3.05] Mounting Hole	842901-5	842911-5	842921-5	842906-5	842916-5	842926-5	842931-5'
	4-40 Clinch Nut	1-842901-2	1-842911-2	1-842921-2	1-842906-2	1-842916-2	1-842926-2	1-842931-2
DE	.120 [3.05] Mounting Hole	842901-6	842911-6	842921-6	842906-6	842916-6	842926-6	842931-6'
	4-40 Clinch Nut	1-842901-3	1-842911-3	1-842921-3	1-842906-3	1-842916-3	1-842926-3	1-842931-3
DD	.120 [3.05] Mounting Hole	842901-7	842911-7	842921-7	842906-7	842916-7	842926-7	842931-7'
	4-40 Clinch Nut	1-842901-4	1-842911-4	1-842921-4	1-842906-4	1-842916-4	1-842926-4	1-842931-4

*This Adapter has Standard Hardware. Note: For accessories, see page 8023.

25 Position Sub. D Connectors with Distributed Element Filters

Plug Insert Arrangement

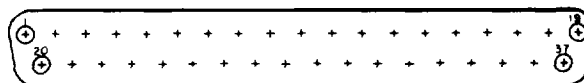


Filter Type	Mounting Style	Part Numbers						Plug- Receptacle Adapters
		Plug Assemblies with Pin Contacts			Receptacle Assemblies with Socket Contacts			
		Termination Type			Termination Type			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
DC	.120 [3.05] Mounting Hole	842902-1	842912-1	842922-1	842907-1	842917-1	842927-1	842932-1'
	4-40 Clinch Nut	842902-8	842912-8	842922-8	842907-8	842917-8	842927-8	842932-8
DB	.120 [3.05] Mounting Hole	842902-2	842912-2	842922-2	842907-2	842917-2	842927-2	842932-2'
	4-40 Clinch Nut	842902-9	842912-9	842922-9	842907-9	842917-9	842927-9	842932-9
DA	.120 [3.05] Mounting Hole	842902-3	842912-3	842922-3	842907-3	842917-3	842927-3	842932-3'
	4-40 Clinch Nut	1-842902-0	1-842912-0	1-842922-0	1-842907-0	1-842917-0	1-842927-0	1-842932-0
DG	.120 [3.05] Mounting Hole	842902-4	842912-4	842922-4	842907-4	842917-4	842927-4	842932-4'
	4-40 Clinch Nut	1-842902-1	1-842912-1	1-842922-1	1-842907-1	1-842917-1	1-842927-1	1-842932-1
DF	.120 [3.05] Mounting Hole	842902-5	842912-5	842922-5	842907-5	842917-5	842927-5	842932-5'
	4-40 Clinch Nut	1-842902-2	1-842912-2	1-842922-2	1-842907-2	1-842917-2	1-842927-2	1-842932-2
DE	.120 [3.05] Mounting Hole	842902-6	842912-6	842922-6	842907-6	842917-6	842927-6	842932-6'
	4-40 Clinch Nut	1-842902-3	1-842912-3	1-842922-3	1-842907-3	1-842917-3	1-842927-3	1-842932-3
DD	.120 [3.05] Mounting Hole	842902-7	842912-7	842922-7	842907-7	842917-7	842927-7	842932-7'
	4-40 Clinch Nut	1-842902-4	1-842912-4	1-842922-4	1-842907-4	1-842917-4	1-842927-4	1-842932-4

*This Adapter has Standard Hardware. Note: For accessories, see page 8023.

SOURCE: Catalog 82061

37 Position Sub. D Connectors with Distributed Element Filters

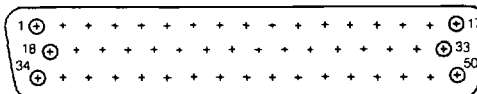


Plug Insert
Arrangement

Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Part Numbers			Plug- Receptacle Adapters
		Termination Type			Receptacle Assemblies with Socket Contacts			
		Right-Angle Post	Straight Post	Solder Cup	Right-Angle Post	Straight Post	Solder Cup	
		.040 [1.02] Dia.	.040 [1.02] Dia.		.040 [1.02] Dia.	.040 [1.02] Dia.		
DC	.120 [3.05] Mounting Hole	842903-1	842913-1	842923-1	842908-1	842918-1	842928-1	842933-1'
	4-40 Clinch Nut	842903-8	842913-8	842923-8	842908-8	842918-8	842928-8	842933-8
DB	.120 [3.05] Mounting Hole	842903-2	842913-2	842923-2	842908-2	842918-2	842928-2	842933-2'
	4-40 Clinch Nut	842903-9	842913-9	842923-9	842908-9	842918-9	842928-9	842933-9
DA	.120 [3.05] Mounting Hole	842903-3	842913-3	842923-3	842908-3	842918-3	842928-3	842933-3'
	4-40 Clinch Nut	1-842903-0	1-842913-0	1-842923-0	1-842908-0	1-842918-0	1-842928-0	1-842933-0
DG	.120 [3.05] Mounting Hole	842903-4	842913-4	842923-4	842908-4	842918-4	842928-4	842933-4'
	4-40 Clinch Nut	1-842903-1	1-842913-1	1-842923-1	1-842908-1	1-842918-1	1-842928-1	1-842933-1
DF	.120 [3.05] Mounting Hole	842903-5	842913-5	842923-5	842908-5	842918-5	842928-5	842933-5'
	4-40 Clinch Nut	1-842903-2	1-842913-2	1-842923-2	1-842908-2	1-842918-2	1-842928-2	1-842933-2
DE	.120 [3.05] Mounting Hole	842903-6	842913-6	842923-6	842908-6	842918-6	842928-6	842933-6'
	4-40 Clinch Nut	1-842903-3	1-842913-3	1-842923-3	1-842908-3	1-842918-3	1-842928-3	1-842933-3
DD	.120 [3.05] Mounting Hole	842903-7	842913-7	842923-7	842908-7	842918-7	842928-7	842933-7'
	4-40 Clinch Nut	1-842903-4	1-842913-4	1-842923-4	1-842908-4	1-842918-4	1-842928-4	1-842933-4

¹ This Adapter has Standard Hardware.
Note: For accessories, see page 8023.

50 Position Sub. D Connectors with Distributed Element Filters



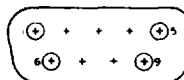
Plug Insert
Arrangement

Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Part Numbers			Plug- Receptacle Adapters
		Termination Type			Receptacle Assemblies with Socket Contacts			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
DC	.120 [3.05] Mounting Hole	842904-1	842914-1	842924-1	842909-1	842919-1	842929-1	842934-1'
	4-40 Clinch Nut	842904-8	842914-8	842924-8	842909-8	842919-8	842929-8	842934-8
DB	.120 [3.05] Mounting Hole	842904-2	842914-2	842924-2	842909-2	842919-2	842929-2	842934-2'
	4-40 Clinch Nut	842904-9	842914-9	842924-9	842909-9	842919-9	842929-9	842934-9
DA	.120 [3.05] Mounting Hole	842904-3	842914-3	842924-3	842909-3	842919-3	842929-3	842934-3'
	4-40 Clinch Nut	1-842904-0	1-842914-0	1-842924-0	1-842909-0	1-842919-0	1-842929-0	1-842934-0
DG	.120 [3.05] Mounting Hole	842904-4	842914-4	842924-4	842909-4	842919-4	842929-4	842934-4'
	4-40 Clinch Nut	1-842904-1	1-842914-1	1-842924-1	1-842909-1	1-842919-1	1-842929-1	1-842934-1
DF	.120 [3.05] Mounting Hole	842904-5	842914-5	842924-5	842909-5	842919-5	842929-5	842934-5'
	4-40 Clinch Nut	1-842904-2	1-842914-2	1-842924-2	1-842909-2	1-842919-2	1-842929-2	1-842934-2
DE	.120 [3.05] Mounting Hole	842904-6	842914-6	842924-6	842909-6	842919-6	842929-6	842934-6'
	4-40 Clinch Nut	1-842904-3	1-842914-3	1-842924-3	1-842909-3	1-842919-3	1-842929-3	1-842934-3
DD	.120 [3.05] Mounting Hole	842904-7	842914-7	842924-7	842909-7	842919-7	842929-7	842934-7'
	4-40 Clinch Nut	1-842904-4	1-842914-4	1-842924-4	1-842909-4	1-842919-4	1-842929-4	1-842934-4

¹ This Adapter has Standard Hardware.
Note: For accessories, see page 8023.

9 Position Sub. D Connectors with Capacitive Filters

Plug Insert Arrangement

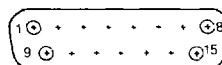


Filter Type	Mounting Style	Part Numbers						
		Plug Assemblies with Pin Contacts			Receptacle Assemblies with Socket Contacts			
		Termination Type			Termination Type			Plug- Receptacle Adapters
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
CA	.122 [3.10] Dia. Mounting Hole	842946-1	842938-1	93768-1	842950-1	842942-1	93772-1	842954-1
	4-40 Clinch Nut	842946-2	842938-2	93768-6	842950-2	842942-2	93772-6	842954-2
CC	.122 [3.10] Dia. Mounting Hole	842674-3	842666-3	93768-2	842678-3	842670-3	93772-2	842737-3
	4-40 Clinch Nut	842674-4	842666-4	93768-7	842678-4	842670-4	93772-7	842737-4
CD	.122 [3.10] Dia. Mounting Hole	842646-3	842638-3	93768-3	842650-3	842642-3	93772-3	842697-3
	4-40 Clinch Nut	842646-4	842638-4	93768-8	842650-4	842642-4	93772-8	842697-4
CE	.122 [3.10] Dia. Mounting Hole	842618-3	842610-3	93768-4	842622-3	842614-3	93772-4	842739-3
	4-40 Clinch Nut	842618-4	842610-4	93768-9	842622-4	842614-4	93772-9	842739-4
CF	.122 [3.10] Dia. Mounting Hole	842590-3	842582-3	93768-5	842594-3	842586-3	93772-5	842738-3
	4-40 Clinch Nut	842590-4	842582-4	1-93768-0	842594-4	842586-4	1-93772-0	842738-4

Note: For accessories, see page 8023.

15 Position Sub. D Connectors with Capacitive Filters

Plug Insert Arrangement



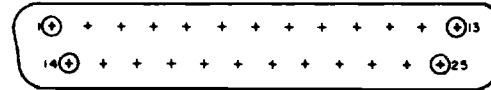
Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Part Numbers			Plug- Receptacle Adapters
		Termination Type			Receptacle Assemblies with Socket Contacts			
		Right-Angle Post	Straight Post	Solder Cup	Right-Angle Post	Straight Post	Solder Cup	
		.040 [1.02] Dia.	.040 [1.02] Dia.		.040 [1.02] Dia.	.040 [1.02] Dia.		
CA	.122 [3.10] Dia. Mounting Hole	842947-1	842939-1	93769-1	842951-1	842943-1	93773-1	842955-1
	4-40 Clinch Nut	842947-2	842939-2	93769-6	842951-2	842943-2	93773-6	842955-2
CC	.122 [3.10] Dia. Mounting Hole	842675-3	842667-3	93769-2	842679-3	842671-3	93773-2	842740-3
	4-40 Clinch Nut	842675-4	842667-4	93769-7	842679-4	842671-4	93773-7	842740-4
CD	.122 [3.10] Dia. Mounting Hole	842647-3	842639-3	93769-3	842651-3	842643-3	93773-3	842698-3
	4-40 Clinch Nut	842647-4	842639-4	93769-8	842651-4	842643-4	93773-8	842698-4
CE	.122 [3.10] Dia. Mounting Hole	842619-3	842611-3	93769-4	842623-3	842615-3	93773-4	842742-3
	4-40 Clinch Nut	842619-4	842611-4	93769-9	842623-4	842615-4	93773-9	842742-4
CF	.122 [3.10] Dia. Mounting Hole	842591-3	842583-3	93769-5	842595-3	842587-3	93773-5	842741-3
	4-40 Clinch Nut	842591-4	842583-4	1-93769-0	842595-4	842587-4	1-93773-0	842741-4

Note: For accessories, see page 8023.

SOURCE: Catalog 82061

25 Position Sub. D Connectors with Capacitive Filters

Plug Insert Arrangement

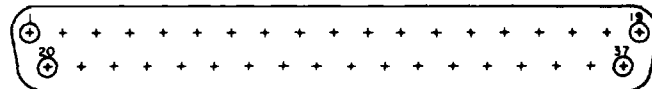


Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Part Numbers			Plug- Receptacle Adapters
		Termination Type			Receptacle Assemblies with Socket Contacts			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
CA	.122 [3.10] Dia. Mounting Hole	842948-1	842940-1	93770-1	842952-1	842944-1	93774-1	842956-1
	4-40 Clinch Nut	842948-2	842940-2	93770-6	842952-2	842944-2	93774-6	842956-2
CC	.122 [3.10] Dia. Mounting Hole	842676-3	842668-3	93770-2	842680-3	842672-3	93774-2	842743-3
	4-40 Clinch Nut	842676-4	842668-4	93770-7	842680-4	842672-4	93774-7	842743-4
CD	.122 [3.10] Dia. Mounting Hole	842648-3	842640-3	93770-3	842652-3	842644-3	93774-3	842699-3
	4-40 Clinch Nut	842648-4	842640-4	93770-8	842652-4	842644-4	93774-8	842699-4
CE	.122 [3.10] Dia. Mounting Hole	842620-3	842612-3	93770-4	842624-3	842616-3	93774-4	842745-3
	4-40 Clinch Nut	842620-4	842612-4	93770-9	842624-4	842616-4	93774-9	842745-4
CF	.122 [3.10] Dia. Mounting Hole	842592-3	842584-3	93770-5	842596-3	842588-3	93774-5	842744-3
	4-40 Clinch Nut	842592-4	842584-4	1-93770-0	842596-4	842588-4	1-93774-0	842744-4

Note: For accessories, see page 8023.

37 Position Sub. D Connectors with Capacitive Filters

Plug Insert Arrangement



Filter Type	Mounting Style	Plug Assemblies with Pin Contacts			Part Numbers			Plug- Receptacle Adapters
		Termination Type			Receptacle Assemblies with Socket Contacts			
		Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	Right-Angle Post .040 [1.02] Dia.	Straight Post .040 [1.02] Dia.	Solder Cup	
CA	.122 [3.10] Dia. Mounting Hole	842949-1	842941-1	93771-1	842953-1	842945-1	93775-1	842957-1
	4-40 Clinch Nut	842949-2	842941-2	93771-6	842953-2	842945-2	93775-6	842957-2
CC	.122 [3.10] Dia. Mounting Hole	842677-3	842669-3	93771-2	842681-3	842673-3	93775-2	842746-3
	4-40 Clinch Nut	842677-4	842669-4	93771-7	842681-4	842673-4	93775-7	842746-4
CD	.122 [3.10] Dia. Mounting Hole	842649-3	842641-3	93771-3	842653-3	842645-3	93775-3	842700-3
	4-40 Clinch Nut	842649-4	842641-4	93771-8	842653-4	842645-4	93775-8	842700-4
CE	.122 [3.10] Dia. Mounting Hole	842621-3	842613-3	93771-4	842625-3	842617-3	93775-4	842748-3
	4-40 Clinch Nut	842621-4	842613-4	93771-9	842625-4	842617-4	93775-9	842748-4
CF	.122 [3.10] Dia. Mounting Hole	842593-3	842585-3	93771-5	842597-3	842589-3	93775-5	842747-3
	4-40 Clinch Nut	842593-4	842585-4	1-93771-0	842597-4	842589-4	1-93775-0	842747-4

Note: For accessories, see page 8023.

SOURCE: Catalog 82061

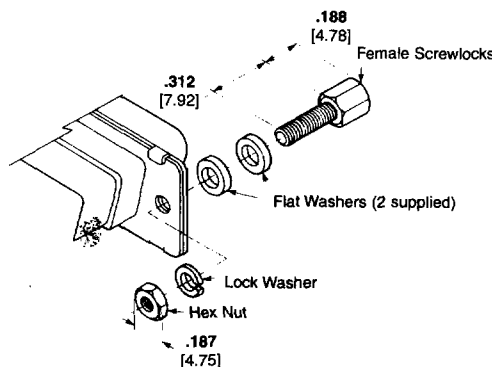
Subminiature D Connector Accessories

Female Screwlocks



Nut Driver, Part No. 811262-1 (Used for assembling female screwlocks to connector flange)

Note: Female Screwlocks mate with Male Screw Retainers used on mating connectors. For specifications and more information refer to Catalog 82068.



Thread Size	Finish	Kit Number	
		Standard	Female Screwlock
		Individual	Bulk Packed ¹
4-40	Yellow Chromate	205817-1	205817-2
	Clear Chromate	205817-3	205817-4
M3 (Metric)	Yellow Chromate	207872-1	207872-2
	Clear Chromate	207872-3	207872-4

¹Each part is individually bulk packed for multiple kit orders.

Locking Post Assembly for Filtered Half

Kit Part Numbers:

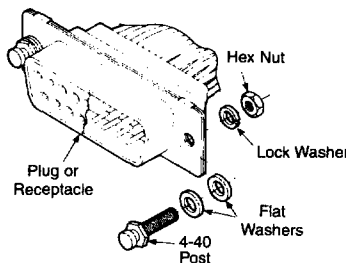
206514-1

(two assemblies per package)

206514-3 (bulk packed)*

*Each part is individually bulk packed for multiple kit orders.

Mate with—Clips below



Slide Latch Clip Assembly for Unfiltered Mating Half

Kit Part Numbers:

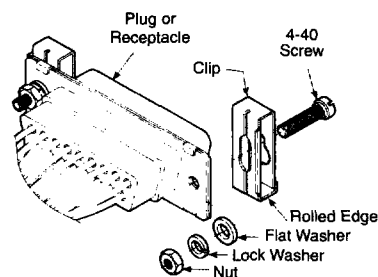
206942-1

(two assemblies per package)

206942-2 (bulk packed)*

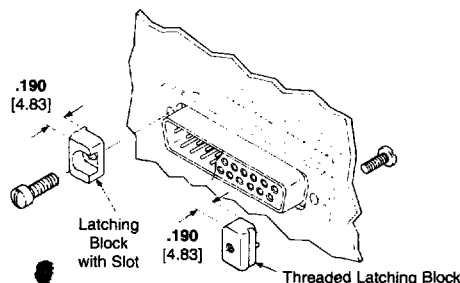
*Each part is individually bulk packed for multiple kit orders.

Mate with—Locking Posts above



Latching Blocks

Each kit includes two blocks per package. Threaded block kits include pan head screws. Slotted blocks require customer supplied screws and nuts. All parts are packaged unassembled.



Shell Size (No. of Contact Pos.)	Thread Size	Threaded Latching Blocks		Slotted Latching Blocks	
		Individual	Bulk Packed ¹	Individual	Bulk Packed ¹
1 thru 4 (9 thru 37)	M3 (Metric)	745403-1	745403-2	745245-2	745245-3
	4-40	745403-8	745403-9		
5 (50)	M3 (Metric)	745403-5	745403-6	745245-5	745245-6
	4-40	1-745403-1	1-745403-2		

¹ Each part is individually bulk packed for multiple kit orders.

SOURCE: Catalog 82061