

AMPLIMITE Cable Connectors and Shielding Hardware Kits

Quick Reference Guide

We offer one of the broadest, most versatile portfolios of D-subminiature connectors in the market with unrivaled engineering support to address our customer's needs. Our reliable AMPLIMITE cable connectors are available in a variety of plating types to satisfy different applications. These connectors are intermateable with any size 20 or 22 D-subminiature connector dimensionally complying with MIL-C-24308.

Features & Benefits

- Lower cost, commercial version of the military approved series
- Available with shielding hardware and shielding enclosure kits
- Tin or zinc plated shells, with or without grounding indents

Applications

- Industrial machinery
- Medical instrumentation
- Computers and peripherals
- RAID storage arrays
- File servers/routers
- Tape storage system
- Work stations
- On-machine industrial communications
- Personal and handheld devices

AMPLIMITE Cable Connectors and Shielding Hardware Kits

How to Select an AMPLIMITE Connector Part Number

The charts on the following pages highlight the AMPLIMITE part numbers with the key product attributes to help identify the correct part for your application. Each section also includes a list of materials to characterize the composition of each part.

HDP-20 Crimp Snap-In Contact Connectors

Shell Size	# of Contact Positions	Dim. A	Dim. B	Dim. C	Insert Material	Mounting Method	Plug Part Numbers: Zinc Plated Shell	Plug Part Numbers: Tin Plated Shell, Without Ground Indents	Plug Part Numbers: Tin Plated Shell, With Grounding Indents	Receptacle Part Numbers: Zinc Plated Shell	Receptacle Part Numbers: Tin Plated Shell
1	9	1.213	.984	.494	94V-0	Standard	205204-9	205204-8	205204-4	205203-8	205203-3
						Clinch Nut	-	1658642-2	1658642-1	-	1658643-1
2	15	1.541	1.312	.494	94V-0	Standard	205206-9	205206-8	205206-3	205205-7	205205-2
						Clinch Nut	-	-	5745908-2	-	1658644-1
3	25	2.088	1.852	.494	94V-0	Standard	5205208-1	207464-7	207464-2	5205207-1	207463-1
						Clinch Nut	-	-	5745036-2	207516-6	207516-5
4	37	2.729	2.500	.494	94V-0	Standard	205210-8	205210-7	205210-3	205209-7	205209-2
						Clinch Nut	-	-	745135-4	-	5207661-3
5	50	2.635	2.406	.605	94V-0	Standard	1658641-3	1658641-1	1658641-2	1658640-2	1658640-1
						Clinch Nut	-	-	5745883-2	-	5745884-1

Notes:
1. Plugs accept size 20 DF pin contacts and receptacles accept size 20 DF socket contacts.
2. All part numbers are RoHS compliant.



Material and Finish

Shell: Steel, zinc or tin plated
Insert: 94V-0 rated thermoplastic, black
Mounting Holes:
Standard: .120 Dia
Clinch nuts: 4-40 threads with self-locking feature

HDP-20 Basic Shielding Hardware Kits

Notes:

1. Plugs accept size 20 DF pin contacts and receptacles accept size 20 DF socket contacts.
2. Components of the kits are shipped unassembled and bulk-packaged in quantities of 100 pieces.
3. All part numbers are RoHS compliant.

*Maximum cable diameter after jacket and braid removed.

Shell Size	# of Contact Positions	Dim. D	Dim. E	Recommended Cable Outer Diameter Range	Max. Inner Cable Bundle diameter*	Mounting Method	Plug Kit Numbers	Receptacle Kit Numbers
1	9	.700	1.535	.165-.455	.350	Standard	1658645-1	1658646-1
						Clinch Nut	5748526-1	5748536-1
2	15	1.024	1.535	.165-.455	.350	Standard	1658647-1	5747539-1
						Clinch Nut	5750636-1	5787908-1
3	25	1.576	1.535	.165-.455	.350	Standard	1658648-1	1658649-1
						Clinch Nut	-	1658662-1
4	37	2.215	1.892	.338-.562	.450	Standard	1658650-1	1658651-1
						Clinch Nut	5786929-1	-
5	50	2.120	1.876	.338-.480	.450	Standard	1658652-1	1658653-1

Material and Finish

Connector Shells: Stell, tin plated

Connector Insert: 94V-0 rated thermoplastic, black

Shield: Steel, tin plated



HDP-20 Shielding Hardware Enclosure Kits

Shell Size	# of Contact Positions	Dim. D	Dim. E	Dim. F	Recommended Cable Outer Diameter Range	Max. Inner Cable Bundle diameter*	Insert Material	Kit Numbers: Plug	Kit Numbers: Receptacle	Shield Enclosure Expansion Tool: Cable O.D. (Max)	Shield Enclosure Expansion Tool: Part number
1	9	1.660	1.355	.630	.190-.330	.330	94V-0	1658655-1	1658654-1	.330	58241-4
2	15	1.660	1.685	.630	.190-.330	.330	94V-0	1658657-1	1658656-1		
3	25	1.660	2.210	.630	.217-.435	.350	94V-0	1658659-1	1658658-1	.450	58241-1
4	37	2.010	2.865	.730	.338-.562	.450	94V-0	5747958-1	1658660-1	.572	58241-2
5	50	2.010	2.775	.730	.338-.562	.450	94V-0	1658661-1	5747959-1		

Material and Finish

Connector Shells: Steel, tin plated
Connector Insert: 94V-0 rated thermoplastic, black
Shield: Steel, tin plated
Enclosure: PVC, black
Jackscrews: Zinc alloy



Notes:
1. Plugs accept size 20 DF pin contacts and receptacles accept size 20 DF socket contacts.
2. Components of the kits are shipped unassembled and bulk-packaged in quantities of 100 pieces.
3. All part numbers are RoHS compliant.
*Maximum cable diameter after jacket and braid removed.

HDP-20 Ferrules for Shielding Hardware Kits

Shell Size	Style	L Dimension	Cable Diameter	Ferrule	Die Sets*
1-3	Stepped	.440	.165-.190	3-747579-0	543424-3
1-3	Stepped	.440	.190-.217	3-747579-0	543424-2
1-3	Stepped	.440	.217-.246	3-747579-0	543424-8
1-3	Stepped	.440	.246-.284	3-747579-2	-
1-3	Stepped	.440	.284-.324	3-747579-2	543424-7
1-3	Stepped	.440	.324-.375	3-747579-4	543424-6
1-3	Straight	.440	.375-.437	2-747579-7	543424-5
1-3	Straight	.440	.400-.460	3-747579-6	543424-4
4-5	Stepped	.625	.230-.265	2-747580-4	543425-2
4-5	Stepped	.625	.338-.385	2-747580-3	543425-1
4-5	Stepped	.625	.375-.432	2-747580-1	58238-1
4-5	Stepped	.625	.422-.490	3-747580-1	58237-2
4-5	Straight	.625	.480-.562	2-747580-2	58237-1

Material and Finish

Steel (annealed), tin plated



Stepped



Straight

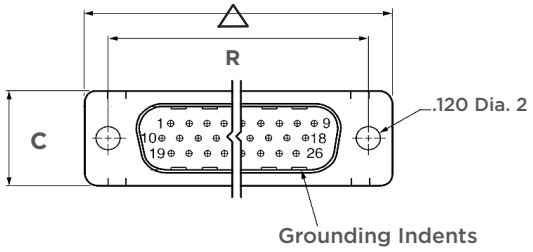
Notes:

1. All part numbers RoHS compliant.

*Die sets used with Hand Crimping Tool Part No. 543344-1 or Pneumatic Bench Tool Part No. 312522-3 equipped with Die Set Holder Part No. 58449-1.

HDP-22 Crimp Snap-In Contact Connectors

Shell Size	No. of Contact Positions	Dim. A	Dim. B	Dim. C	With Grounding Indents: Plug	With Clinch Nuts: Plug	With Clinch Nuts: Receptacle	Receptacle
1	15	1.213	.984	.494	748364-1	1658691-1	1658681-1	1658690-1
2	26	1.541	1.312	.494	1658671-1	5749717-1	1658682-1	5788816-1
3	44	2.088	1.852	.494	1658672-1	-	1658683-1	5786583-1
4	62	2.729	2.50	.494	1658673-1	6658293-1	1658684-1	-
5	78	2.635	2.406	.605	1658674-1	-	1658685-1	-



Material and Finish

Pin: Brass

Socket: Phosphor bronze

Plated:

A: duplex plated .000030 gold on mating end, with entire contact .000050 min. nickel underplated

B: duplex plated gold flash on mating end, with entire contact .000050 min. nickel underplated

HDP-22 Crimp Snap-In Contact Connectors

Shell Size	No. of Contact Positions	Dim. C	Dim. D	Recommended Cable Outer Dia. Range	Max. Inner Cable Bundle Dia.*	Kit Number: Plug	Kit Number: Receptacle
1	15	1.535	.700	.165-.455	.350	1658675-1	5748634-1
2	26	1.535	1.024	.165-.455	.350	1658676-1	1658687-1
3	44	1.535	1.576	.165-.455	.350	1658677-1	5748636-1
4	62	1.892	2.215	.338-.562	.450	5748471-1	-
5	78	1.876	2.120	.338-.490	.450	5748472-1	-

Notes:
1. Plugs accept size 22 DF pin contacts and receptacles accept size 22 DF socket contacts.
2. Components of the kits are shipped unassembled and bulk-packaged in quanities of 100 pieces.
3. All part numbers are RoHS compliant.
*Maximum cable diameter after jacket and braid removed.

Material and Finish

Connector Shells: Steel, tin plated

Connector Insert: 94V-0 rated thermoplastic, black

Shield: Steel, tin plated



Receptacle



Plug

HDP-22 Crimp Snap-In Contact Connectors

Shell Size	No. of Contact Positions	Dim. C	Dim. D	Dim. E	Recommended Cable Outer Dia. Range	Max. Inner Cable Bundle Dia.*	Kit Numbers: Plug	Kit Numbers: Receptacle	Shielding Enclosure Expansion Tool: Cable O.D. (Max)	Shielding Enclosure Expansion Tool: Part Number
1	15	1.640	1.355	.630	.190-.330	.330	1658678-1	1658688-1	.330	58241-4
2	26	1.640	1.685	.630	.190-.330	.330	1658679-1	1658689-1		
3	44	1.640	2.205	.630	.217-.435	.350	1658680-1	5748641-1	.450	58241-1
4	62	2.010	2.860	.730	.338-.562	.450	5748476-1	578642-1	.572	58241-2
5	78	2.010	2.770	.730	.338-.490	.450	5748477-1	-		

Material and Finish

Connector Shells: Steel, tin plated
Connector Insert: 94V-0 rated thermoplastic, black
Shield: Steel, tin plated
Enclosure: PVC, Black
Jackscrews: Zinc alloy



Plug



Receptacle

Shell Size	Style	L Dimension	Cable Diameter	Ferrule	Die Sets*
1-3	Stepped	.440	.165-.190	3-747579-0	543424-3
1-3	Stepped	.440	.190-.217	3-747579-0	543424-2
1-3	Stepped	.440	.217-.246	3-747579-0	543424-8
1-3	Stepped	.440	.246-.284	3-747579-2	543424-1
1-3	Stepped	.440	.284-.324	3-747579-2	543424-7
1-3	Stepped	.440	.324-.375	3-747579-4	543424-6
1-3	Straight	.440	.375-.437	-	543424-5
1-3	Straight	.440	.400-.460	3-747579-6	543424-4
4-5	Stepped	.625	.230-.265	2-747580-4	543425-2
4-5	Stepped	.625	.338-.385	2-747580-3	543425-1
4-5	Stepped	.625	.375-.432	2-747580-1	58238-1
4-5	Stepped	.625	.422-.490	2-747580-1	58237-2
4	Straight	.625	.480-.562	2-747580-2	58237-1

Material and Finish

Steel (annealed), tin plated



Straight



Stepped

Notes:

1. All part numbers are RoHS compliant.

*Die sets used with Hand Crimping Tool Part No. 543344-1 or Pneumatic Bench Tool Part No. 312522-3 equipped with Die Set Holder Part 58449-1.

HDE-20 All-Plastic IDC Connectors

Plugs

Shell Size	No. of Contact Positions	Dim. A	Dim. B	Contact Finish (Plating Code)	Contact Identification No. 2 for 30-26 AWG Wire: Plug	Contact Identification No. 2 for 26-22 AWG Wire: Plug
1	9	1.213	.984	A	-	745203-9
				B	-	1-745203-1
2	15	1.541	1.312	A	-	745207-7
3	25	2.090	1.852	A	745211-9	745211-7
				B	-	745211-8
4	37	2.732	2.500	A	-	745215-7

Material and Finish

Housing: 94V-0 rated thermoplastic, black

Contacts: Phosphor bronze

Contact Finish: duplex plated

A: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: gold flash on mating end, tin on termination end, with entire contact nickel underplated

Notes:

1. All connectors are preloaded with insulation displacement contacts. Pins in plug connectors and sockets in receptacle connectors. contacts accep a max. wire insulation thickness of .015 and a max. wire insulation diameter of .060.
2. HDE connectors are designed for terminating solid or stranded (7 strand max) wire.
3. Individual conductor strands should be larger than .005 inch diameter.
4. Extaction Tool Part No. 91232-1 (Instruction Sheet 408-6631) is ued to remove pin or socket contacts.
5. All part numbers are RoHS compliant.



Plug

HDE-20 All-Plastic IDC Connectors

Receptacles

Shell Size	No. of Contact Positions	Dim. A	Dim. B	Contact Finish (Plating Code)	Contact Identification No. 2 for 26-22 AWG Wire: Receptacle
1	9	1.213	.984	A	745201-7
				B	745201-9
2	15	1.541	1.312	A	745205-7
3	25	2.090	1.852	A	745209-7
				B	745209-8

Notes:

1. All connectors are preloaded with insulation displacement contacts. Pins in plug connectors and sockets in receptacle connectors. contacts accep a max. wire insulation thickness of .015 and a max. wire insulation diameter of .060.
2. HDE connectors are designed for terminating solid or stranded (7 strand max) wire.
3. Individual conductor strands should be larger than .005 inch diameter.
4. Extaction Tool Part No. 91232-1 (Instruction Sheet 408-6631) is ued to remove pin or socket contacts.
5. All part numbers are RoHS compliant.

Material and Finish

Housing: 94V-0 rated thermoplastic, black

Contacts: Phosphor bronze

Contact Finish: duplex plated

A: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: gold flash on mating end, tin on termination end, with entire contact nickel underplated



Receptacle

HDE-20 Metal-Shell IDC Connectors

Material and Finish

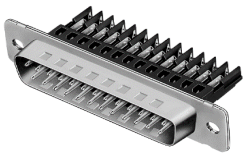
Shell: Steel, tin plated

Insert: 94V-0 rated thermoplastic, black

Contacts: duplex plated:

A: .000030 gold on mating end, tin on termination end, with entire contact nickel plated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated.



Plug

Plugs

Shell Size	No. of Contact Positions	Dim. A	Dim. B	Contact Finish (Plating Code)	Contact Identification No. 2 for 30-26 AWG Wire: Plug	Contact Identification No. 2 for 26-22 AWG Wire: Plug	Plug
1	9	1.213	.984	A	1-745492-7	1-745792-8	1-745492-9
				B	-	2-745492-0	-
2	15	1.541	1.312	A	1-745494-7	1-745494-5	-
				B	-	1-745494-6	-
3	25	2.088	1.852	A	1-745496-9	1-745496-7	2-745496-0
				B	-	1-745496-8	-
4	37	2.729	2.500	A	1-745498-6	1-745498-5	-
				B	-	1-745498-7	-

Notes:

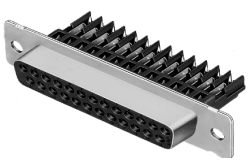
1. All connectors are preloaded with insulation displacement contacts. Pins in plug connectors and sockets in receptacle connectors. Contacts accept a max. wire insulation thickness of .015 and a max. wire insulation diameter of .060.
2. Connectors can be made avilable with clinch nuts, contact TE Connectivity.
3. HDE connectors are designed for terminating solid or stranded (7 strand max.) wire.
4. Individual conductor strands should be larger than .005 inch diameter.
5. Extraction Tool Part No. 91232-1 (Instruction Sheet 408-6631) is useed to remove pin or socket contacts.
6. All part numbers are RoHS compliant.

Receptacles

Shell Size	No. of Contact Positions	Dim. A	Dim. B	Contact Finish (Plating Code)	Contact Identification No. 2 for 30-26 AWG Wire: Receptacle	Contact Identification No. 2 for 26-22 AWG Wire: Receptacle	Receptacle
1	9	1.213	.984	A	1-745491-6	1-745491-7	1-745491-9
				B	-	1-745491-8	-
2	15	1.541	1.312	A	1-745493-6	1-745493-4	-
				B	-	1-745493-5	-
3	25	2.088	1.852	A	1-745495-7	1-745495-8	1-745495-9
				B	-	2-745495-0	-
4	37	2.729	2.500	A	1-745497-6	1-745497-5	-
				B	-	1-745497-7	-

Notes:

1. All connectors are preloaded with insulation displacement contacts. Pins in plug connectors and sockets in receptacle connectors. Contacts accept a max. wire insulation thickness of .015 and a max. wire insulation diameter of .060.
2. Connectors can be made avilable with clinch nuts, contact TE Connectivity.
3. HDE connectors are designed for terminating solid or stranded (7 strand max.) wire.
4. Individual conductor strands should be larger than .005 inch diameter.
5. Extraction Tool Part No. 91232-1 (Instruction Sheet 408-6631) is used to remove pin or socket contacts.
6. All part numbers are RoHS compliant.



Receptacle

*** RS-232 size 3 connector, for 26-22 AWG wire select loaded circuits 1-8, 15, 17, 20 and 22, Plug Part No. 747740-1, Receptacle Part No. 747741-1, gold flash contacts**

Material and Finish

Shell: Steel, tin plated

Insert: 94V-0 rated thermoplastic, black

Contacts: Phospher bronze

Contact Finish:

A: .000030 gold on mating end, tin on termination end, with entire contact nickel plated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated

HDE-20 Basic Shielding Hardware Kits

Plugs

Shell Size	No. of Contact Positions	Dim. C	Dim. D	Recommended Cable Outer Dia. Range	Max Inner Cable Bundle Diameter*	Contact Finish (Plating Code)	Contact I.D. No. 1 for 30-26 AWG Wire: Plug	Contact I.D. No. 2 for 26-22 AWG Wire: Plug
1	9	1.520	.678	.165-.455	.350	A	-	7457515-7
2	15	1.520	1.002	.165-.455	.350	A	747531-7	747531-8
3	25	1.520	1.550	.165-.455	.350	A	747547-8	747531-9
						B	-	1-747547-0
4	37	1.520	2.205	.338-.562	.450	A	-	-
						B	-	1-747563-0



Plug

Receptacles

Shell Size	No. of Contact Positions	Dim. C	Dim. D	Recommended Cable Outer Dia. Range	Max Inner Cable Bundle Diameter*	Contact Finish (Plating Code)	Contact I.D. No. 2 for 26-22 AWG Wire: Receptacle
1	9	1.520	.678	.165-.455	.350	A	747516-7
						B	747516-9
2	15	1.520	1.002	.165-.455	.350	A	747532-7
						B	747532-8
3	25	1.520	1.550	.165-.455	.350	A	747548-8
						B	747548-9
4	37	1.867	1.867	.338-.562	.450	B	747564-9



Receptacle

Material and Finish

Connector Shell: Steel, tin plated

Connector Insert: 94V-0 rated thermoplastic, black

Shield: Steel, tin plated

Contacts: Phosphor bronze

Contact Finish: Duplex plated

A: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Notes:

1. Components of the kits are shipped unassembled and bulk packaged in quantities of 100 pieces.
2. All part numbers are RoHS compliant.

*Maximum cable diameter after jacket and braid removed.

HDE-20 Shielding Hardware Enclosure Kits

Plugs

Shell Size	No. of Contact Positions	Dim. C	Dim. D	E	Recommended Cable Outer Dia. Range	Max Inner Cable Bundle Diameter*	Contact Finish (Plating Code)	Contact I.D. No. 1 for 30-26 AWG Wire: Plug	Contact I.D. No. 2 for 26-22 AWG Wire: Plug	Shielding Enclosure Expansion Tool: Cable O.D. (Max.)	Shielding Enclosure Expansion Tool: Part No.
1	9	1.640	1.355	.630	.190-.330	.330	A	-	1-747944-5	.330	58241-4
							B	-	1-747944-6		
2	15	1.640	1.685	.630	.190-.330	.330	A	-	1-747946-5		
							B	-	1-747946-6		
3	25	1.640	2.210	.630	.217-.435	.350	A	1-747948-5	1-747948-	.450	58241-1
							B	-	1-747948-8		
4	37	2.010	2.865	.730	.338-.562	.450	A	1-747950-4	1-747950-5	.572	58241-2
							B	-	1-747950-6		

Material and Finish

Connector Shell: Steel, tin plated

Connector Insert: 94V-0 rated thermoplastic, black

Shield: Steel, tin plated

Enclosure: PVC, black

Jackscrews: Zinc alloy

Contacts: Phosphor bronze

Contact Finish: Duplex plated

A: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Notes:

1. All part numbers are RoHS compliant.

*Maximum cable diameter after jacket and braid removed

HDE-20 Shielding Hardware Enclosure Kits

Receptacles

Shell Size	No. of Contact Positions	Dim. C	Dim. D	Dim. E	Recommended Cable Outer Dia. Range	Max Inner Cable Bundle Diameter*	Contact Finish (Plating Code)	Contact I.D. No. 1 for 30-26 AWG Wire: Receptacle	Contact I.D. No. 2 for 26-22 AWG Wire: Receptacle	Shielding Enclosure Expansion Tool: Cable O.D. (Max.)	Shielding Enclosure Expansion Tool: Part No.
1	9	1.640	1.355	.630	.190-.330	.330	A	1-747943-5	1-747943-6	.330	58241-4
							B	-	1-747943-7		
2	15	1.640	1.685	.630	.190-.330	.330	A	1-747945-5	-		
							B	-	-		
3	25	1.640	2.210	.630	.217-.435	.350	A	1-747947-5	1-747947-6	.450	58241-1
							B	-	1-747947-7		

Material and Finish

Connector Shell: Steel, tin plated
Connector Insert: 94V-0 rated thermoplastic, black
Shield: Steel, tin plated
Enclosure: PVC, black
Jackscrews: Zinc alloy
Contacts: Phosphor bronze
Contact Finish: Duplex plated

A: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Notes:

1. All part numbers are RoHS compliant.

*Maximum cable diameter after jacket and braid removed

Subminiature D Connectors HDF-20 for Flat Ribbon Cable

No. of Pos. & Shell Size	Cable Stabilizer Part No.	Plug: With Standard Mounting Holes	Plug: With 4-40 Threaded Inserts	Receptacle: With Standard Mounting Holes	Receptacle: With 4-40 Threaded Inserts
9(1)	747275-4	1658613-4	1658608-4	1658612-4	1658610-4
15(2)	747275-3	1658613-3	1658608-3	1658612-3	1658610-3
25(3)	747275-2	1658613-2	1658608-2	1658612-2	1658610-2
37(4)	747275-1	1658613-1	1658608-1	1658612-1	1658610-1
50(5)	-	-	1658607-1	-	1658606-1

Notes:

1. All assemblies are supplied with housing and cover pre-assembled. Optional cable stabilizer must be ordered separately.
2. All part numbers are RoHS compliant.



Plug- Low Profile Metal Shell



Receptacle- Low Profile Metal Shell

Material and Finish

Front Shell: Steel, tin or tin plated
Housing, Cover & Cable Stabilizer: Thermoplastic, 94V-0, black
Threaded Inserts: Brass, unplated
Contacts: Phosphor bronze, duplex platted .000030 min. gold on mating end, .000100-.000200 bright tin on termination end with entire contact underplated .000050 min. nickel

HDF-20 Low Profile All-Plastic Connectors (for Round Conductor Flat Ribbon Cable)

No. of Pos. & Shell Size	Cable Stabilizer Part No.	Plug Assembly: With Standard Mounting Holes	Plug Assembly: With 4-40 Threaded Inserts	Receptacle Assembly: With Standard Mounting Holes	Receptacle Assembly: With 4-40 Threaded Inserts
9(1)	747275-4	1658615-4	1658611-4	1658614-4	1658609-4
15(2)	747275-3	1658615-3	1658611-3	1658614-3	1658609-3
25(3)	747275-2	1658615-2	1658611-2	1658614-2	1658609-2
37(4)	747275-1	1658615-1	-	1658614-1	1658609-1

Notes:

1. All part numbers are RoHS compliant.

HDF-20 Low Profile All-Plastic Connectors (for Round Conductor Flat Ribbon Cable)

Ribbon Cable Parameters

No. of Conductors	28 AWG Part No. 100 ft.	28 AWG Part No. 500 ft.	26 AWG Part No. 500 ft.
9	1-57040-2	1-971111-2	57034-2
15	1-57040-5	1-971111-5	57034-5
25	57040-2	971111-2	57034-9
37	1-57040-8	1-971111-8	1-57034-3
50	57040-6	971111-6	1-57034-5

Material and Finish

Housing, Cover & Cable Stabilizer: Thermoplastic, 94V-0, black

Threaded Inserts: Brass, unplated

Pin Contacts: Phosphor bronze, duplex plated .000030 min. gold on mating end, .000100-.000200 bright tin on termination end with entire contact underplated .000050 min. nickel



Plug Assemblies

Housing and covers are Preassembled; Cable Stablizer is Separate



Receptacle Assemblies

Housing and covers are Preassembled; Cable Stablizer is Separate

HD-20 Solder Cup Connectors

Shell Size	No. of Contact Positons	Dim. A	Dim. B	Plug: Tin Plated Shell	Plug: Zinc Plated Shell	Receptacle: Tin Plated Shell	Receptacle: Zinc Plated Shell
1	9	1.210	.984	5-747904-2	5-747904-2	5-747905-2	5-747905-2
2	15	1.544	1.313	5-747908-2	5-747908-2	5-747909-2	5-747909-2
3	25	2.089	1.853	5-747912-2	5-747912-2	5-747913-2	5-747913-2
4	37	2.734	2.502	5-747916-2	5-747916-2	5-747917-2	-

Notes:

1. All part numbers are RoHS compliant.

Material and Finish

Shell: Steel, tin or zinc plated

Insert: 94V-0 rated thermoplastic, black

Contacts: Phosphor bronze; duplex plated with gold flash on mating end, tin on solder cup, with entire contact nickel underplated

HD-20 Solder Cup Shielding Hardware Enclosure Kits

Shell Size	No. of Contact Positons	Dim. C	Dim. D	Dim. E	Shielding Enclosure Expansion Tool: Cable Insulation Diameter	Shielding Enclosure Expansion Tool: Receptacle	Cable O.D. (Max.)	Part Number
3	25	1.640	2.200	.659	.270-.324	1574656-5	.465	58241-1
						1571656-6		
					.324-.385	1571656-6		

Notes:

1. Components of the kits are shipped unassembled and bulk-packaged in quantities of 100 pieces.
2. All part numbers are RoHS compliant.

Material and Finish

Connector Shell: Steel, tin plated

Connector Insert: 94V-0 rated thermoplastic, black

Shield: Steel, tin plated

Enclosure: PVC, black

Jackscrews: Brass, zinc coated

Contacts: Phospher bronze; duplex plated with gold flash on mating end, tin on solder cup, with entire contact underplated.

Resources:

Product Specification s

108-40005 108-40011
108-40030 108-40012
108-1268

Application Specifications

114-10000
114-40030
114-10001
114-1001
114-40002
114-40003
114-40006
114-4008
108-40031

Instruction Sheets

408-9381 408-9172 408-9243
408-9010 408-91913 408-9242
408-6621 408-9507
408-6645 408-9508

TE Technical Support Center

USA:	1.800.522.6752
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Latin/S. America:	54.0.11.4733.2200
Germany:	49.0.6251.133.1999
UK:	44.0.800.267666
France:	33.0.1.3420.8686
Netherlands:	31.0.73.6246.999
China:	86.0.400.820.6015

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3-1393225-0 CPF0402B37K4E1 U5254-000005-030PA 2005330-1 3631B101LL 2377783-2 650075-000
936348-1 MPT100C18RF SBCHE64R7K TE50BR39J 141991-2 1743455-2 ROX05SJ18R SMW73R0JT
1-962915-1 917696-1 RH73H2A40MKTN 175977-2 1903112-2 1969656-1 SBCHE154R7K