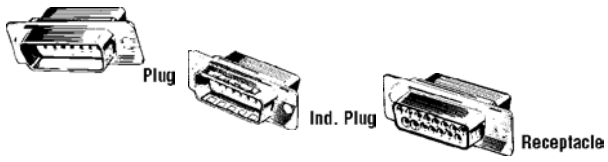
HDP Metal Shell Connectors



Listed

Certified

Choice of zinc-plated shell or tin-plated shell with grounding indents on the plugs. Insert is black thermoplastic, rated 94V-O. **Contact Rating (with 20 AWG Wire):** 7.5 amps. **Termination Resistance:** 5 K megohms. **Engagement Force:** 12 oz. **Separation Force:** .75 oz. **Mating Force:** 8 oz. per contact. CONTACTS NOT INCLUDED. Select contacts from those offered below. Recognized under the components program of Underwriters Laboratories, Inc., File No. E28476. Certified by Canadian Standards Association, File No. LR 16455.

Zinc Plated Shells

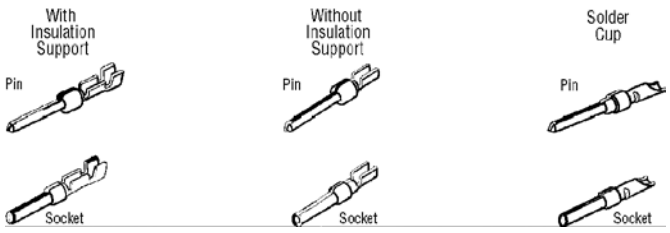
Stock No.	Mfr.'s Type	Style	Contacts (Not Included)	EACH 1-99	EACH 100-499	EACH 500-999
512-0005	205204-1	Plug	9	**.71**	**.64**	**.53**
512-0010	205203-1	Receptacle	9	**.82**	**.74**	**.62**
512-0015	205206-1	Plug	15	**1.03**	**.93**	**.77**
512-0020	205205-1	Receptacle	15	**.91**	**.82**	**.68**
512-0025	205208-1	Plug	25	**.91**	**.82**	**.68**
512-0030	205207-1	Receptacle	25	**.74**	**.66**	**.55**
512-0035	205210-1	Plug	37	**1.43**	**1.29**	**1.07**
512-0040	205209-1	Receptacle	37	**1.43**	**1.29**	**1.07**
512-0045	205212-1	Plug	50	**1.75**	**1.57**	**1.31**
512-0050	205211-1	Receptacle	50	**2.16**	**1.97**	**1.80**

Tin-Plated Shells, Plugs with Grounding Indents

512-0105	205204-4	Ind. plug	9	**.62**	**.56**	**.46**
512-0110	205203-3	Receptacle	9	**.59**	**.53**	**.44**
512-0115	205206-3	Ind. plug	15	**.74**	**.66**	**.55**
512-0120	205205-2	Receptacle	15	**.65**	**.58**	**.49**
512-0125	207464-2	Ind. plug	25	**.65**	**.58**	**.49**
512-0130	207463-1	Receptacle	25	**.74**	**.66**	**.55**
512-0135	205210-3	Ind. plug	37	**1.24**	**1.11**	**.93**
512-0140	205209-2	Receptacle	37	**.88**	**.80**	**.66**
512-0145	205212-3	Ind. plug	50	**1.33**	**1.19**	**.99**
512-0150	205211-2	Receptacle	50	**1.75**	**1.57**	**1.31**

8

Contact Size 20-DF Pin and Socket Contacts



Pin Diameter: .040". **Materials:** Pins — brass; Sockets — phosphor bronze.

Crimp Style (24-20 AWG Wire).060" Max. Insulation Diameter with Insulation Support

Stock No.	Mfr.'s Type	Description	PER PKG./100 1-4	PER PKG./100 5-9	PER PKG./100 10-24
512-9500	6-66506-1	Pin, select gold flash over nickel overall, Additional .000030" gold on mating end	**15.96**	**14.36**	**11.98**
512-9510	7-66504-0	Socket, select gold flash over nickel overall, Additional .000030" gold on mating end	**17.75**	**15.98**	**13.31**
512-9035	1-66506-0	Pin, gold flash over nickel	**12.52**	**11.26**	**9.39**
512-9040	1-66504-0	Socket, gold flash over nickel	**13.25**	**11.93**	**9.94**
512-9042	5-66506-9	Pin, nickel overall, gold flash on mating end, tin-lead term. end	**10.31**	**9.28**	**7.74**
512-9044	5-66504-7	Socket, nickel overall, gold flash on mating end, tin-lead term. end	**11.24**	**10.22**	**9.37**

Crimp Style (24-20 AWG Wire) .068" Max. Insulation Diameter without Insulation Support

512-9099	2-205201-8	Socket select gold flash over nickel overall, Additional .000030" gold on mating end	**51.45**	**46.31**	**38.59**
512-9091	205202-7	Pin, gold flash over nickel	**11.67**	**10.61**	**9.72**
512-9093	205201-7	Socket, gold flash over nickel	**13.73**	**12.48**	**11.44**

Crimp Style (28-24 AWG Wire) .040" Max. Insulation Diameter

512-9590	6-66505-9	Socket, select gold flash over nickel overall .000030" gold on mating end	**16.10**	**14.63**	**13.41**
512-9095	1-66507-0	Pin, gold flash over nickel	**11.26**	**10.24**	**9.38**
512-9100	1-66505-0	Socket, gold flash over nickel	**13.89**	**12.51**	**10.42**

Solder Cup Type (18 AWG Max. Wire Size)

512-9520	66570-8	Pin, gold flash over nickel, .000030" gold on mating end	**19.52**	**17.57**	**14.64**
512-9530	1-66569-0	Socket, gold flash over nickel, .000030" gold on mating end	**23.01**	**21.12**	**17.60**

HDP-20 Solder Cup Connectors

Listed Certified

Pre-loaded duplex plated solder cup contacts with shell finish of standard zinc chromate or tin. One-piece 94 V-O rated plastic insert. Anti-solderwicking contact design. Intermateable with other subminiature-D connectors. Available in 9, 15, 25, and 37 position plugs and receptacles. Recognized under the components program of Underwriters Laboratories, Inc., File No. E28476. Certified by Canadian Standards Association, File No. LR 16455.

Zinc-Plated Shells

Stock No.	Mfr.'s Type	Style	Contacts	EACH 1-99	EACH 100-499	EACH 500-999
512-0305	747904-4	Plug	9	**1.47**	**1.33**	**1.11**
512-0310	747905-4	Receptacle	9	**2.04**	**1.84**	**1.53**
512-0315	747908-4	Plug	15	**2.04**	**1.84**	**1.53**
512-0325	747912-4	Plug	25	**2.88**	**2.59**	**2.16**
512-0330	747913-4	Receptacle	25	**3.69**	**3.33**	**2.77**
512-0335	747916-4	Plug	37	**3.79**	**3.45**	**3.16**

Tin-Plated Shells, Plugs with Grounding Indents

512-0405	747904-2	Ind. plug	9	**1.24**	**1.11**	**.93**
512-0410	747905-2	Receptacle	9	**1.67**	**1.50**	**1.25**
512-0415	747908-2	Ind. plug	15	**2.01**	**1.81**	**1.51**
512-0420	747909-2	Receptacle	15	**2.77**	**2.49**	**2.07**
512-0425	747912-2	Ind. plug	25	**2.35**	**2.12**	**1.76**
512-0430	747913-2	Receptacle	25	**2.94**	**2.64**	**2.20**
512-0435	747916-2	Ind. plug	37	**4.31**	**3.88**	**3.23**
512-0440	747917-2	Receptacle	37	**5.30**	**4.77**	**3.98**

Insertion/Extraction Tool

For size 20 crimp and solder cup contacts.

512-0470. 91285-1 .....**EACH 21.42**

HDM-20 (MIL-C-24308) Connectors

Stainless steel retention springs. Insert material per MIL-C-24308.

Stock No.	Mfr.'s Type	M24308/	Style	Contacts (Not Included)	EACH 1-24	EACH 25-49	EACH 50-99
512-0205	205162-1	4-259	Plug	9	**2.97**	**2.67**	**2.23**
512-0210	205161-1	2-281	Receptacle	9	**2.83**	**2.55**	**2.13**
512-0215	205164-1	4-260	Plug	15	**3.45**	**3.10**	**2.58**
512-0220	205163-1	2-282	Receptacle	15	**3.45**	**3.10**	**2.58**
512-0225	205166-1	4-261	Plug	25	**3.72**	**3.35**	**2.79**
512-0230	205165-1	2-283	Receptacle	25	**3.72**	**3.35**	**2.79**
512-0235	205168-1	4-262	Plug	37	**5.42**	**4.88**	**4.06**
512-0240	205167-1	2-284	Receptacle	37	**5.42**	**4.88**	**4.06**

MIL-Spec. Pins, Sockets, and Tools

Shell constructed of steel, class G, cadmium plated per QQ-P-416.

Stock No.	Mfr.'s Type	Description	PER PKG./100 1-4	PER PKG./100 5-9	PER PKG./100 10-24
512-9015	205089-1	Pin, M39029/64-369	**19.96**	**18.15**	**16.63**
512-9017	205090-1	Socket, M39029/63-368	**28.70**	**25.83**	**21.52**

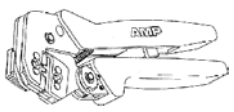
Insertion/Extraction Tools

Stock No.	Mfr.'s Type	Description	EACH
512-9045	91067-1	Insertion/extraction tool M81969/1-04	**5.87**
512-9110	91067-2	Insertion/extraction tool M81969/1-02	**5.87**

Crimp Tool and Positioner

512-6011	601966-1	Crimp tool (M22520/2-01)	**496.89**
512-6015	601966-5	Positioner (M22520/2-08)	**153.00**

Crimp Tools



PRO-CRIMPER™ II
Ratchet crimp tool for contacts on 28-24 AWG wire and on 24-20 AWG wire. Recommended for field repair use only.
512-9128. 58448-2 .....**EACH 150.09**

CERTI-CRIMP™ Tool
Considered by AMP to be the best crimp tool. Designed to exacting specifications. Long service life.

For AMPLIMITE® contacts for 28-24 and 24-20 AWG wire.
512-9132. 90302-1 .....**EACH 418.84**

For AMPLIMITE® contacts (without insulation support) for 24-20 AWG wire.
512-2651. 90265-1 .....**EACH 376.04**