

rear-release d-sub

17RR series

economical crimp connector • high volume production

conforms EIA standard RS 232 C - RS 449

rear-release d-sub connectors

Reliable, high density rear-release connectors offer superior features and low installation cost over other popular crimp and solder "D" types. Contacts are stamped and formed, and provide an insulation crimp feature which provides strain relief and insures the integrity of the crimp. The contacts are loaded with fingertip pressure and removed with a simple tool from the wired side (the rear of the connector). The contact and crimp are surrounded by the dielectric which eliminates the need for potting or sleeving to protect against shorting.

- Economical crimp contact (High speed stripper crimp tool and manual hand crimp tool available).
- Crimp contacts with insulation support feature.
- Shrouded contact and crimp protect against shorting or arcing.
- Removable contact.
- 2 pieces black thermoplastic UL 94 VO rated insulator.
- 5 shell sizes E, A, B, C, D.
- 5 configurations 9, 15, 25, 37, 50.
- Polarization by "D" shape.
- Hoods and locking accessories are available (see section 1 page 6-7)
- UL recognized (file #E115487)

specifications

Shell: EMI/ESD configuration.
Bright tin plating and
grounding indents on plug
front shells.

Dielectric: Two piece black
thermoplastic UL 94 VO rated

Contacts: stamped and formed
Plating: .000020 inches gold
over nickel

Crimp tensile strength:

- 20 AWG = 18 lb
- 22 AWG = 15 lb
- 24 AWG = 10 lb
- 26 AWG = 7 lb
- 30 AWG = 3 lb

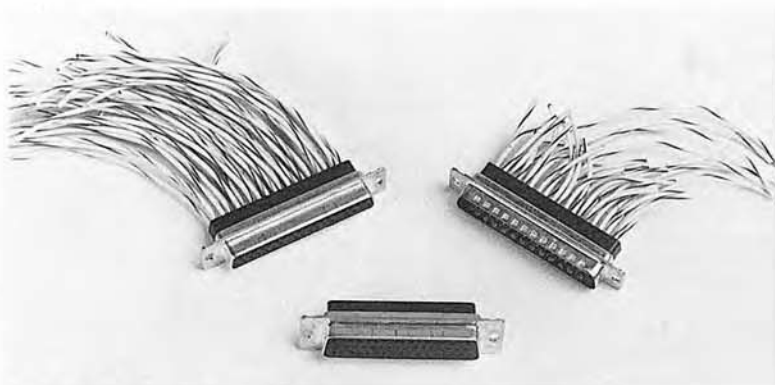
Wire types: 20 to 30 AWG
max. insulator over
diameter .050(1.27)

Temperature: -67°F (-55°C) to
+257°F (+125°C)

Voltage rating: 500 VAC
(sea level)

Current rating: 5A

Section 1 Page 2



order information

Connector housings and contacts
to be ordered separately

tin plated housings, plugs with grounding indents

Contacts	WPI Receptacle	AMP Equivalent	WPI Plug	AMP Equivalent
9	177-RRE-9S	205203-3	777-RRE-9P	205204-4
15	177-RRA-15S	205205-2	777-RRA-15P	205206-3
25	177-RRB-25S	207463-1	777-RRB-25P	207464-2
37	177-RRC-37S	205209-2	777-RRC-37P	205210-3
50	177-RRD-50S	205211-2	777-RRD-50P	205212-3

zinc plated housings with gold iridite

Contacts	WPI Receptacle	AMP Equivalent	WPI Plug	AMP Equivalent
9	117-RRE-9S	205203-1	117-RRE-9P	205204-1
15	117-RRA-15S	205205-1	117-RRA-15P	205206-1
25	117-RRB-25S	205207-1	117-RRB-25P	205208-1
37	117-RRC-37S	205209-1	117-RRC-37P	205210-1
50	117-RRD-50S	205211-1	117-RRD-50P	205212-1

contacts

Wire Size	Description	WPI Part Number Bag of 100	WPI Part Number Reel of 10,000
20-24	Female	17-RRD1-F02-100	17-RRD1-F02-10K
20-24	Male	17-RRD1-M02-100	17-RRD1-M02-10K
24-30	Female	17-RRD2-F02-100	17-RRD2-F02-10K
24-30	Male	17-RRD2-M02-100	17-RRD2-M02-10K

NOTES:

1. FOR LEFT FEED REEL — 17 - RRDx - X02 - 10KG
2. CONSULT FACTORY FOR ALTERNATE PLATING REQUIREMENTS

rear-release d-sub

tin plated housings, plugs with
grounding indents

Contacts	WPI Receptable	WPI Plug
9	177-RRE-9S-CTF	777-RRE-9P-CTF
15	177-RRA-15S-CTF	777-RRA-15P-CTF
25	177-RRB-25S-CTF	777-RRB-25P-CTF
37	177-RRC-37S-CTF	777-RRC-37P-CTF
50	177-RRD-50S-CTF	777-RRD-50P-CTF

order information

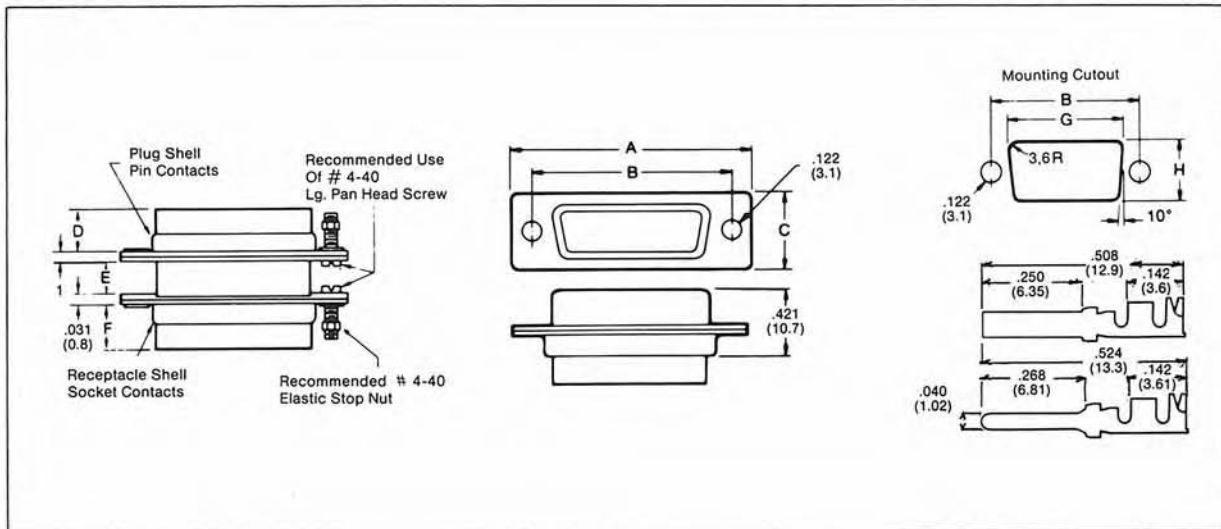
*Contacts packaged with
connector housings

zinc plated housings with gold iridite

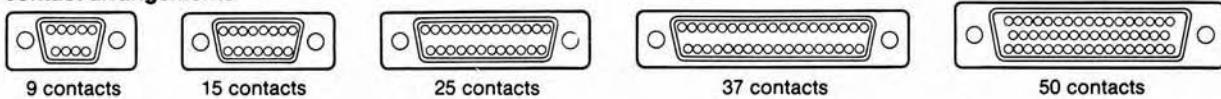
Contacts	WPI Receptable	WPI Plug
9	117-RRE-9S-CTF	117-RRE-9P-CTF
15	117-RRA-15S-CTF	117-RRA-15P-CTF
25	117-RRB-25S-CTF	117-RRB-25P-CTF
37	117-RRC-37S-CTF	117-RRC-37P-CTF
50	117-RRD-50S-CTF	117-RRD-50P-CTF

*Gold flashed contacts included with housings
Consult factory for alternate plating requirements

dimensions



contact arrangements



	A max.	B	C max.	D	E	F	G (Min)		H (Min)	
							Back Mtg	Front Mtg	Back Mtg	Front Mtg
E	1.240 (31.5)	.984 (25)	.516 (13.1)	.358 (9.1)	.232 (5.9)	.358 (9.1)	.799 (20.3)	.831 (21.1)	.449 (11.4)	.504 (12.8)
A	1.567 (39.8)	1.312 (33.3)	.516 (13.1)	.358 (9.1)	.232 (5.9)	.358 (9.1)	1.118 (28.4)	1.161 (29.5)	.449 (11.4)	.504 (12.8)
B	2.110 (53.6)	1.852 (47.05)	.516 (13.1)	.358 (9.1)	.232 (5.9)	.358 (9.1)	1.654 (42)	1.701 (43.2)	.449 (11.4)	.504 (12.8)
C	2.756 (70)	2.500 (63.5)	.516 (13.1)	.358 (9.1)	.232 (5.9)	.358 (9.1)	2.303 (58.5)	2.346 (59.6)	.449 (11.4)	.504 (12.8)
D	2.661 (67.6)	2.406 (61.1)	.626 (15.9)	.358 (9.1)	.232 (5.9)	.358 (9.1)	2.209 (56.1)	2.283 (58)	.559 (14.2)	.618 (15.7)

All dimensions: inches (millimeters)