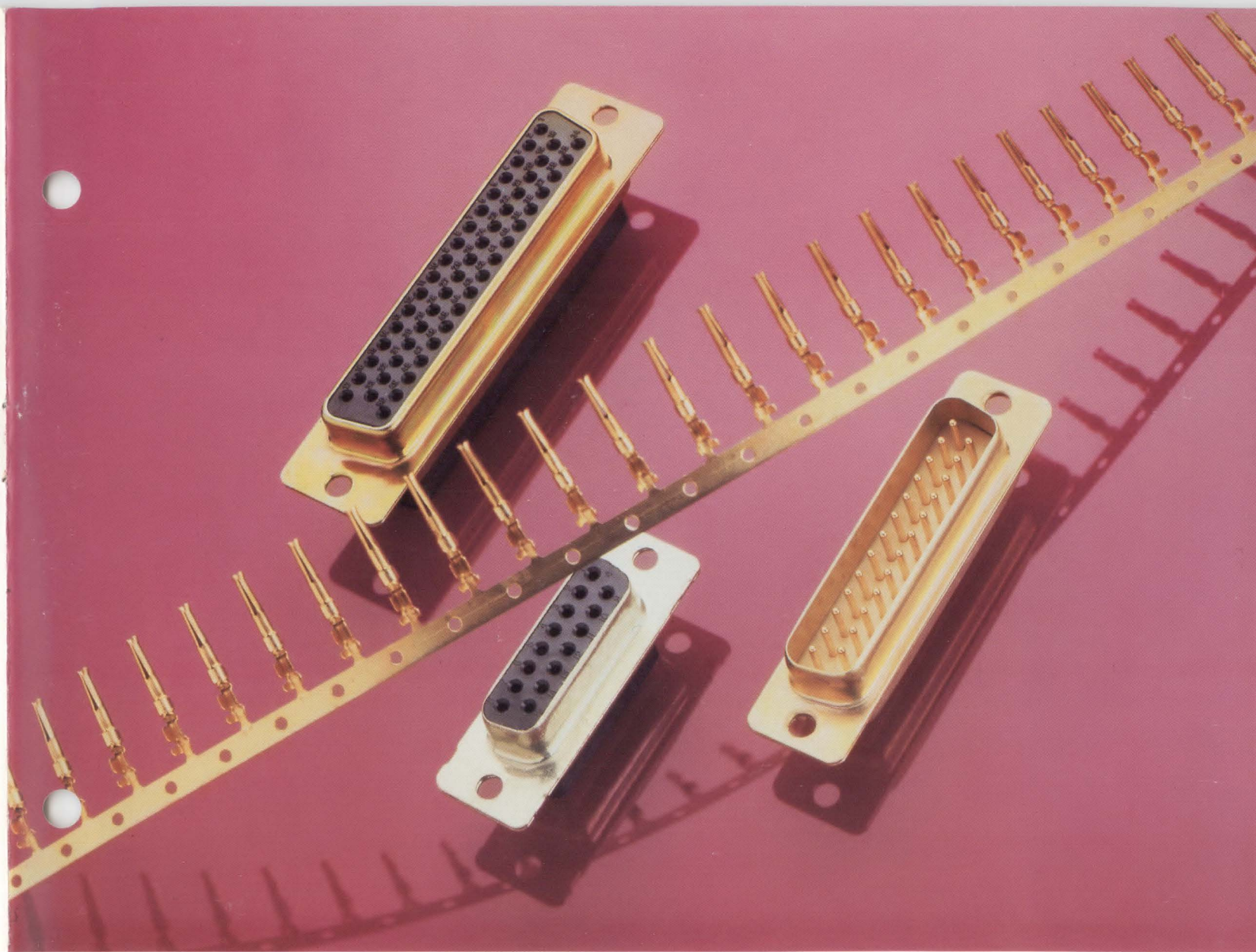




DS-2

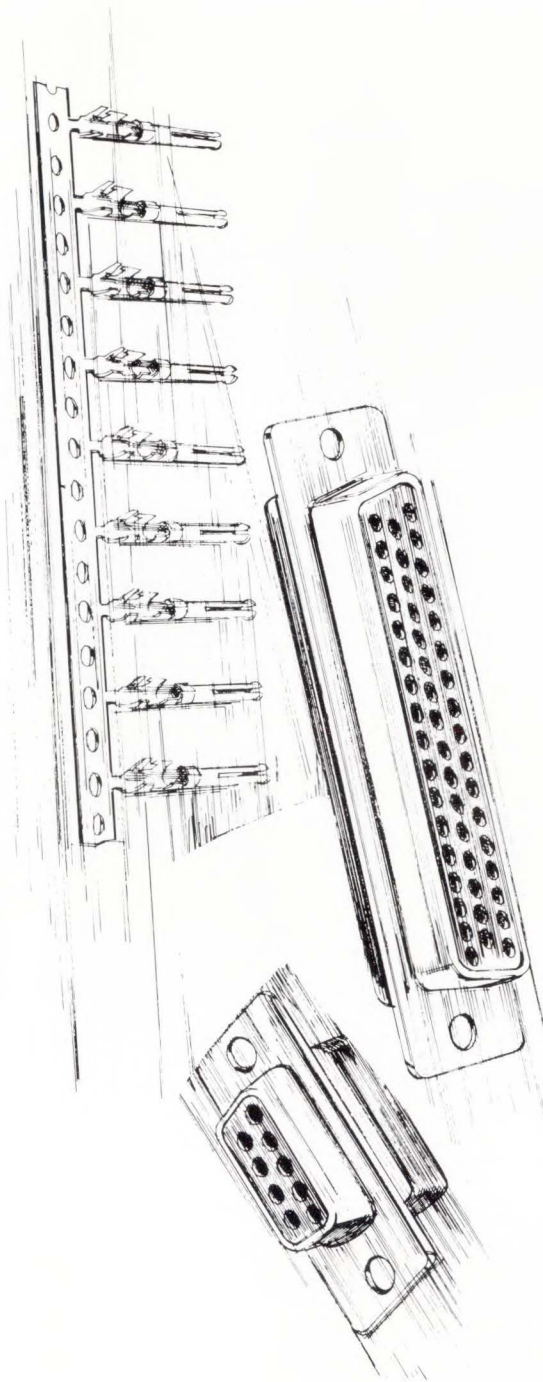
D-Subminiature Connectors

J. W. WILHOIT, INC.

4966 El Camino Real
Los Altos, CA 94022
(415) 961-3660

connect with **eby**TM

subsidiary of REDM Industries



**CRIMP INSERTABLE
CONNECTORS** pages 4 and 5

**ORIGINAL "D"
CONNECTORS** pages 6 and 7

**CONTACT STYLES
and LENGTHS** page 8

MOUNTING TYPES page 9

ACCESSORIES pages 10 and 11

**PANEL CUTOUT
PATTERNS** pages 12 and 13

**MOUNTING HOLE
PATTERNS** page 14

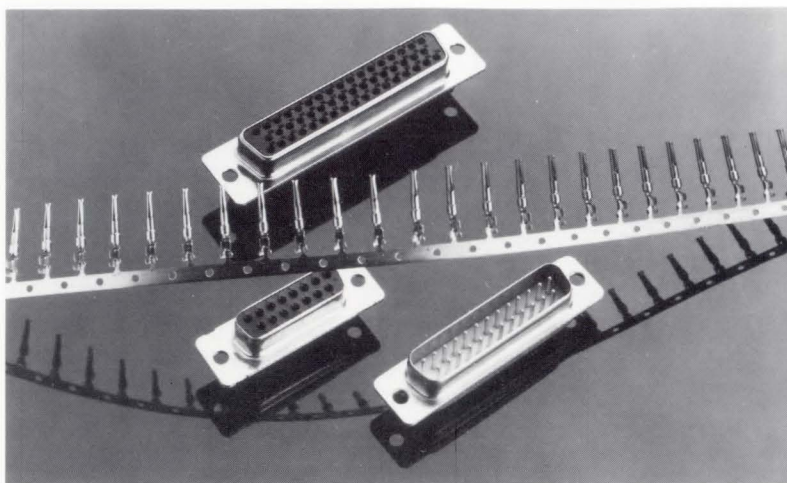
CRIMP TOOLS page 15

**CROSS REFERENCE
Crimp Insertable
Connectors** page 16

**CROSS REFERENCE
Original "D"
Connector** page 17



D-SUBMINIATURE CRIMP-INSERTABLE CONNECTORS



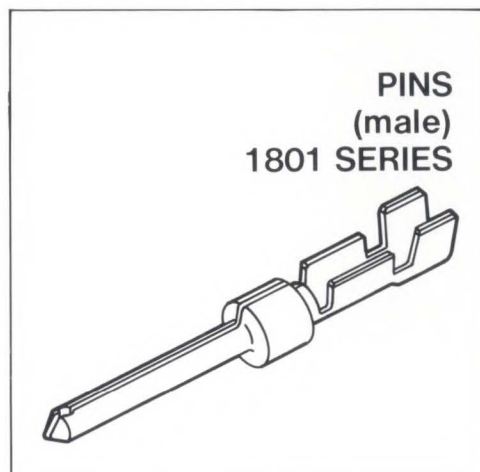
SPECIFICATIONS

Contact Rating:	7.5 Amperes Max.
Contact Resistance:	5 Milliohms Max. Initial 10 Milliohms Max. after Environmental Testing
Dielectric Withstanding Voltage:	1000 VAC RMS Min. (Sea Level)
Insulation Resistance:	5000 Megohms Min.
Operating Temperature:	-55°C to +105°C
Wire Sizes:	#20 to #24 A.W.G.
Contact Pin (male) Material:	Brass per QQ-B-613
Contact Socket (female) Material:	Phosphor Bronze per QQ-B-750
Contact Pin & Socket Finish:	See Contact Part No. Tabulation
Shell Material:	Steel per QQ-S-698
Shell Finish:	See Ordering Code
Contact Insertion and Withdrawal Forces:	10 Oz. Max. Insertion 1 Oz. Min. Withdrawal
Insulator Material:	Thermoplastic, UL Rated 94V-0

FEATURES

- Available in all standard contact configurations including: 9, 15, 25, 37 & 50.
- Designed to comply with most industry standards such as: EIA RS-232C, EIA RS-449, IEEE Project 802.
- Complete line of mounting and locking hardware types.
- Application tooling available for both low and high volume cable assembly production.
- Stamped and formed contacts available in both reeled and loose-piece form, along with several plating options.
- Rear release snap-in contact design provides maximum field service economy.
- Bright tin plated tabs on pin contact connector shell, provides an optional shielding interface.
- Connectors are mateable with those covered by MIL-C-24308.

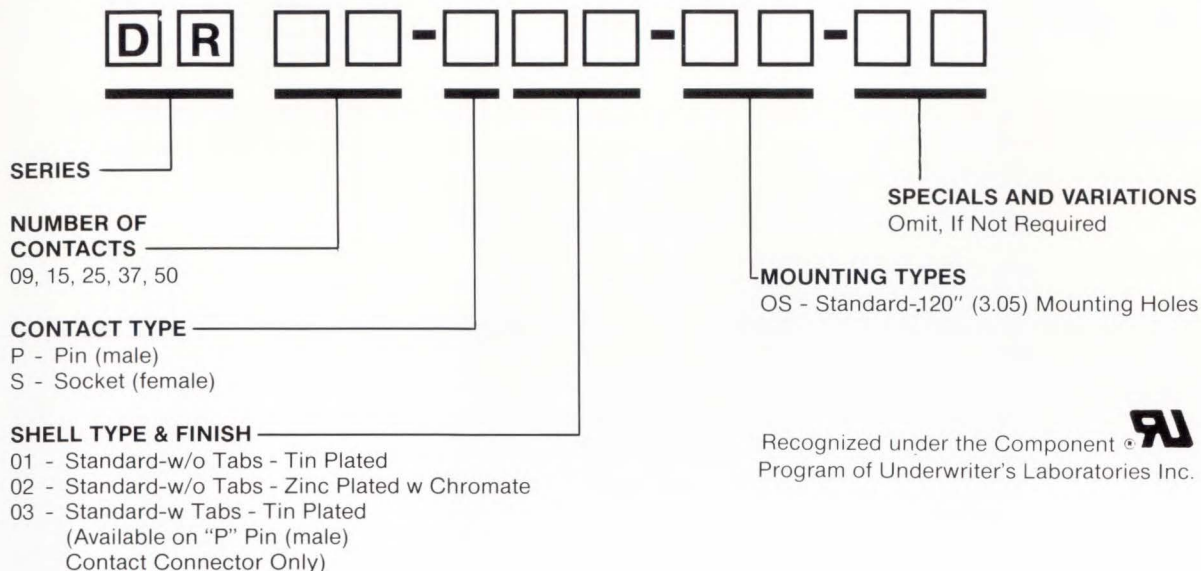
CONTACTS (with insulation support)



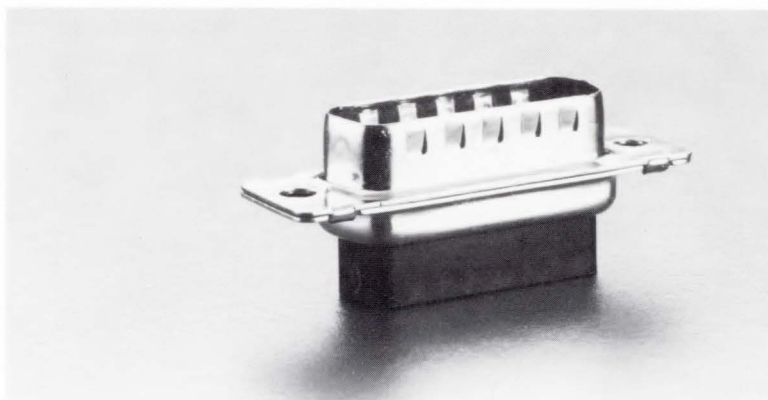
EBY Part Number		How Supplied	Finish
20-24 AWG	24-28 AWG		
1801-001	1801-019	10,000 per reel	0.000015" (0.381 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1801-002	1801-008	10,000 per reel	Gold Flashed all over-over Nickel
1801-003	1801-009	10,000 per reel	0.000030" (0.762 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1801-004	1801-020	loose	0.000015" (0.381 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1801-005	1801-021	loose	Gold Flashed all over-over Nickel
1801-006	1801-022	loose	0.000030" (0.762 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel

D-SUBMINIATURE CRIMP-INSERTABLE CONNECTORS

ORDERING CODE

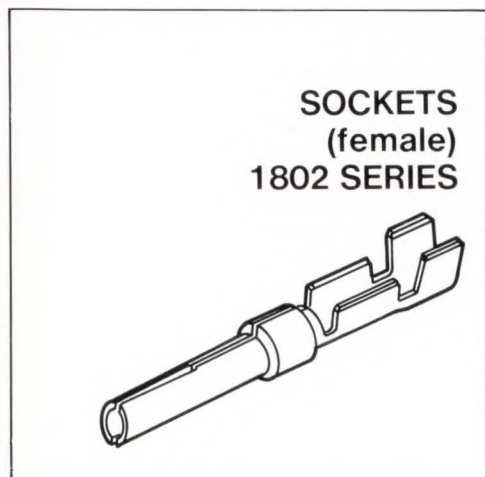


Recognized under the Component  Program of Underwriter's Laboratories Inc.



Connector dimensions are shown on page 12.

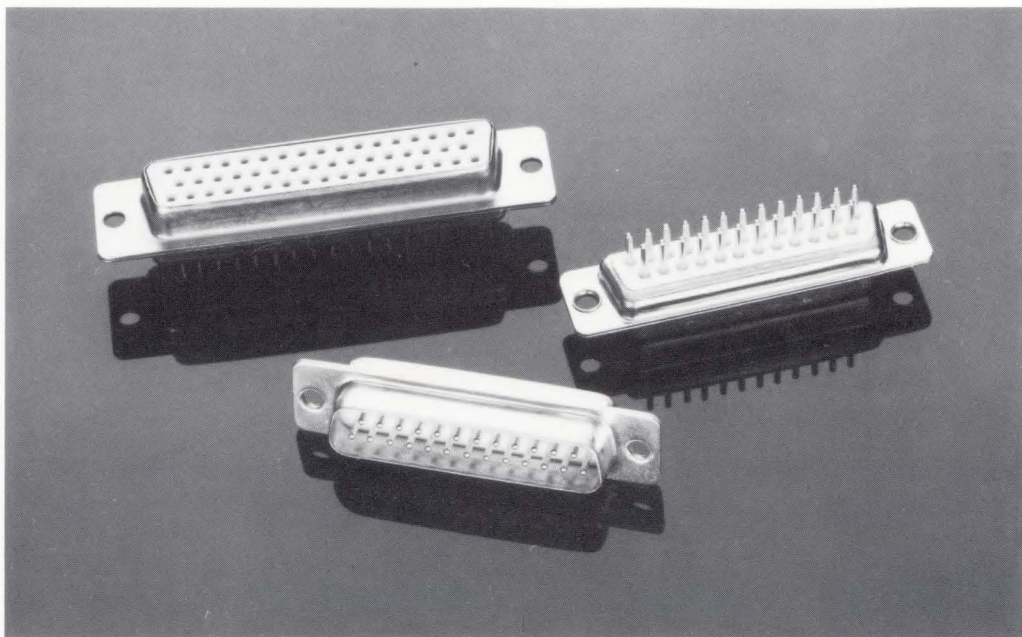
CONTACTS (with insulation support)



EBY Part Number 20-24 AWG	24-28 AWG	How Supplied	Finish
1802-001	1802-019	10,000 per reel	0.000015" (0.381 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1802-002	1802-008	10,000 per reel	Gold Flashed all over-over Nickel
1802-003	1802-009	10,000 per reel	0.000030" (0.762 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1802-004	1802-020	loose	0.000015" (0.381 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel
1802-005	1802-021	loose	Gold Flashed all over-over Nickel
1802-006	1802-022	loose	0.000030" (0.762 μ m) min. Selective Gold on the male/female engaging area only, remainder is Gold Flashed, all over Nickel



D-SUBMINIATURE "ORIGINAL D" CONNECTORS



SPECIFICATIONS

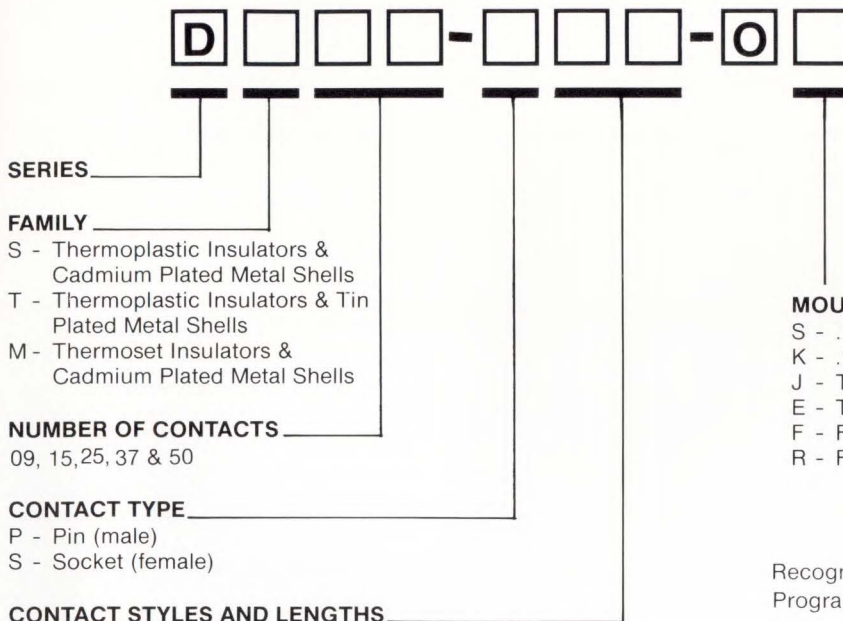
Contact Rating:	7.5 Amperes
Contact Resistance:	8 Milliohms Max.
Dielectric Withstanding Voltage:	1250 VAC RMS (Sea Level)
Insulation Resistance:	5000 Megohms Min.
Operating Temperature:	-55°C to +105°C (Thermoplastic) -55°C to +175°C (Thermoset)
Insulator Material:	UL 94V-0 Rated, See Ordering Code for Options
Contact Pin Material:	Copper Alloy
Contact Socket Material:	Phosphor Bronze
Contact Plating:	Gold over Nickel Plate
Shell Material:	Steel per QQ-S-698
Shell Plating:	See Ordering Code

FEATURES

- Available in straight and right angle configurations and with solder-to-board, solderless wrap, or solder-cup contacts.
- Available in all standard contact configurations including 9, 15, 25, 37 & 50.
- Designed to comply with most industry standards such as: EIA RS-232C, EIA RS-449 and IEEE Project 802.
- Right angle mounting brackets are available.
- Connectors are mateable with those covered by MIL-C-24308.
- UL Recognized under file # E83198.

D-SUBMINIATURE "ORIGINAL D" CONNECTORS

ORDERING CODE

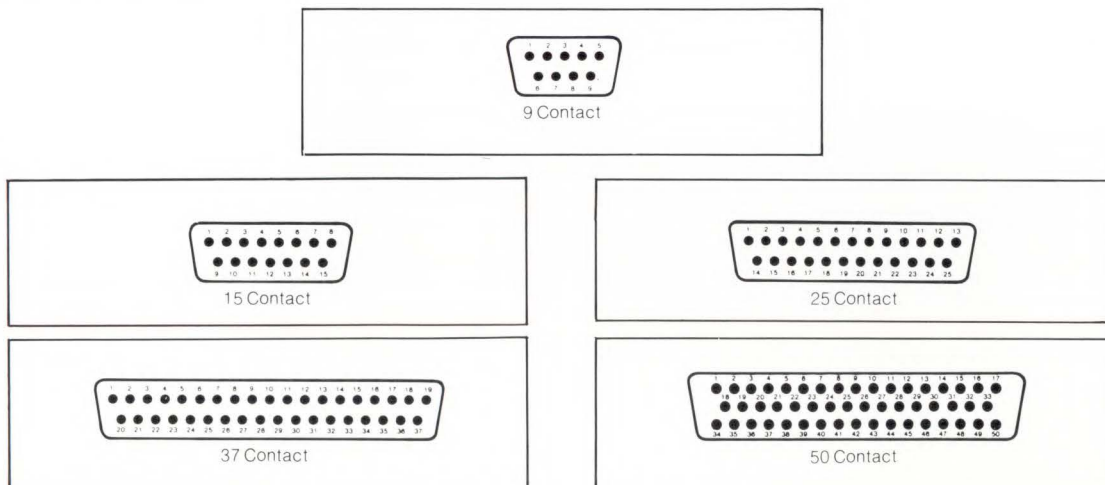


MOUNTING TYPES

- S - .120 Dia. Mounting Holes
- K - .154 Dia. Mounting Holes
- J - Threaded Spacer, Front Mounting
- E - Threaded Spacer, Rear Mounting
- F - Floating Bushing, Front Mounting
- R - Floating Bushing, Rear Mounting

Recognized under the Component  Program of Underwriter's Laboratories Inc.

CONTACT ARRANGEMENTS FACE VIEW PIN INSERT

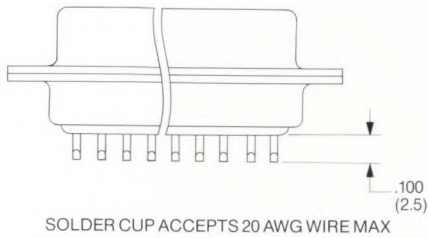


Connector dimensions, PCB mounting hole patterns and panel cutout patterns are shown on pages 8 through 13.



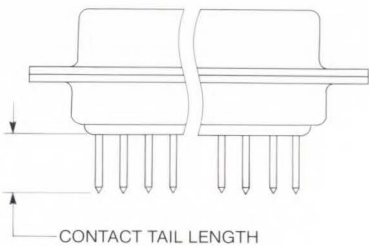
D-SUBMINIATURE / CONTACT STYLES AND LENGTHS

STRAIGHT, SOLDER CUP



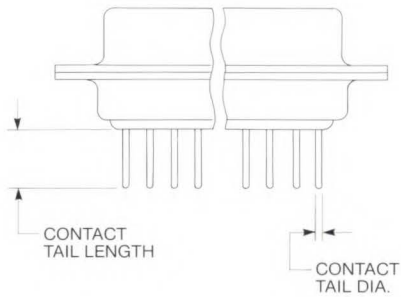
Contact Style #
01

STRAIGHT, SOLDERLESS WRAP



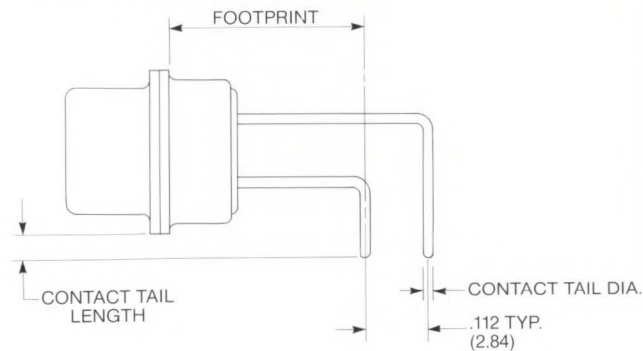
Contact Style #	No. of Solderless Wraps	Contact Tail Length
02	2	.375 (9.5)
03	3	.500 (12.7)

STRAIGHT, P.C. MOUNT



Contact Style #	Contact Tail Diameter	Contact Tail Length
07	.024 (.61)	.208 (5.3)
13	.040 (1.02)	.208 (5.3)

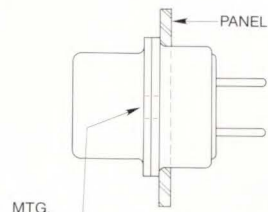
RIGHT ANGLE, P.C. MOUNT



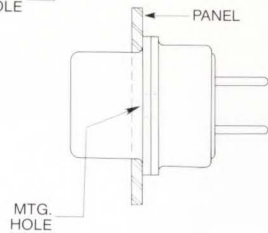
Contact Style #	Footprint	Contact Tail Diameter	Contact Tail Length
20	.283 (7.2)	.040 (1.02)	.093 (2.4)
21	.283 (7.2)	.030 (.76)	.093 (2.4)
22	.545 (13.8)	.030 (.76)	.125 (3.2)

D-SUBMINIATURE/MOUNTING TYPES

STANDARD HOLES



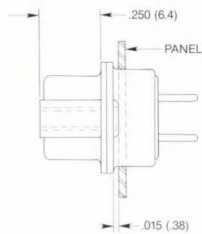
TYPE S OR K



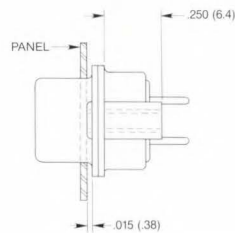
TYPE S OR K

Type	Mounting Hole Dia.
S	.120 (3.05)
K	.154 (3.91)

#4-40 THREADED SPACERS



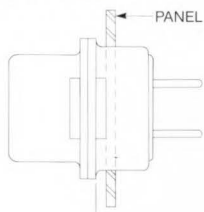
TYPE J



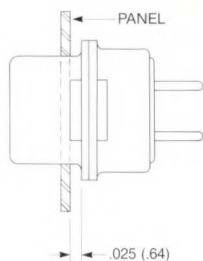
TYPE E

Type	Mounting
J	Front
E	Rear

.086" I.D. FLOATING BUSHINGS



TYPE F



TYPE R

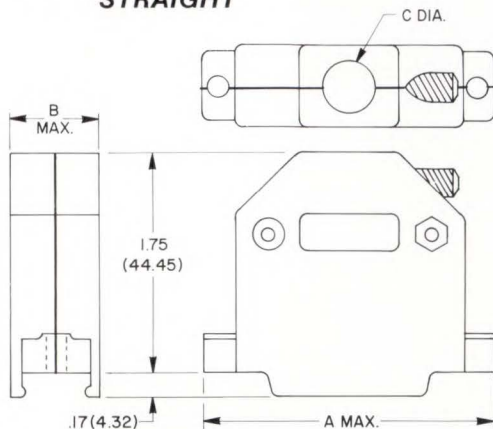
Type	Mounting
F	Front
R	Rear

See pages 12 and 13 for P.C. mounting hole and panel cutout patterns.

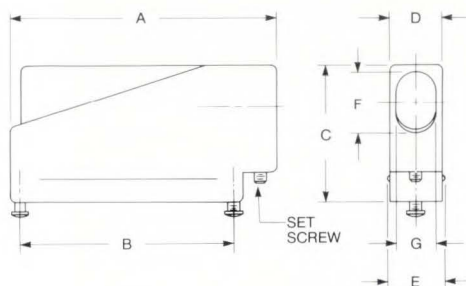


D-SUBMINIATURE CONNECTORS/ACCESSORIES

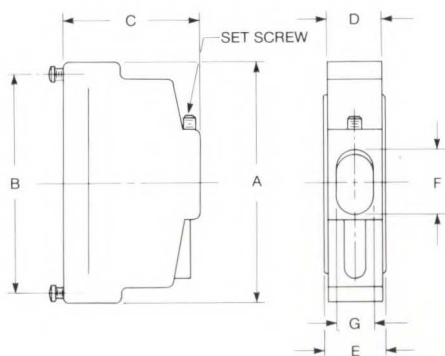
CABLE STRAIN RELIEF STRAIGHT



RIGHT ANGLE



STRAIGHT



Connector Size	Part Number	A Max	B Max	C Max Cable Dia
9	1800-109-01	1.27 (32.26)	.63 (16.00)	.25 (6.35)
15	1800-115-01	1.61 (40.89)	.63 (16.00)	.34 (8.64)
25	1800-125-01	2.15 (54.61)	.63 (16.00)	.38 (9.65)
37	1800-137-01	2.80 (71.12)	.63 (16.00)	.38 (9.65)
50	1800-150-01	2.70 (68.58)	.74 (18.80)	.45 (11.43)

Kit consists of the following (packaged)
1—Split hoods Thermoplastic, Gray
2—Threaded cable plug UL rated 94V-0
3—Mounting hardware—Zinc plate, chrome

Kit Part Number	Connector Size	A	B	C	D	E	F	G
1800-026-09	9	1.12 (30.9)	.984 (25.0)	1.00 (25.4)	.500 (12.7)	.562 (14.3)	.27 (7.1)	.27 (7.1)
1800-026-15	15	1.54 (39.3)	1.311 (33.3)	1.00 (25.4)	.500 (12.7)	.562 (14.3)	.35 (9.1)	.35 (9.1)
1800-026-25	25	2.09 (53.2)	1.850 (47.0)	1.24 (31.7)	.500 (12.7)	.562 (14.3)	.49 (12.5)	.35 (9.1)
1800-026-37	37	2.73 (69.4)	2.500 (63.5)	1.50 (38.1)	.500 (12.7)	.562 (14.3)	.69 (17.6)	.35 (9.1)
1800-026-50	50	2.64 (67.1)	2.405 (61.1)	1.50 (38.1)	.610 (15.5)	.669 (17.0)	.73 (18.6)	.46 (11.9)

Material: Nylon
Color: Dark Gray

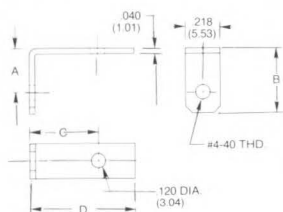
The kit consists of the cable strain relief, (2) self tapping screws, set screw, and (2) cable gates.

Kit Part Number	Connector Size	A	B	C	D	E	F	G
1800-025-09	9	1.12 (30.9)	.984 (25.0)	1.00 (25.4)	.500 (12.7)	.562 (14.3)	.27 (7.1)	.27 (7.1)
1800-025-15	15	1.54 (39.3)	1.311 (33.3)	1.00 (25.4)	.500 (12.7)	.562 (14.3)	.35 (9.1)	.35 (9.1)
1800-025-25	25	2.09 (53.2)	1.850 (47.0)	1.24 (31.7)	.500 (12.7)	.562 (14.3)	.49 (12.5)	.35 (9.1)
1800-025-37	37	2.73 (69.4)	2.500 (63.5)	1.50 (38.1)	.500 (12.7)	.562 (14.3)	.69 (17.6)	.35 (9.1)
1800-025-50	50	2.64 (67.1)	2.405 (61.1)	1.50 (38.1)	.610 (15.5)	.669 (17.0)	.73 (18.6)	.46 (11.9)

Material: Nylon
Color: Dark Gray

The kit consists of the cable strain relief, (2) self tapping screws, set screw, and (2) cable gates.

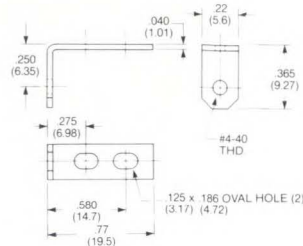
MOUNTING BRACKETS FOR RIGHT ANGLE "ORIGINAL D" CONNECTORS



Part No.	A	B	C	D
1800-032-01 (9-37 POS)	.247 (6.27)	.360 (9.14)	.340 (8.63)	.484 (12.29)
1800-032-02 (50 POS)	.302 (7.67)	.418 (10.6)	.395 (10.03)	.594 (15.08)

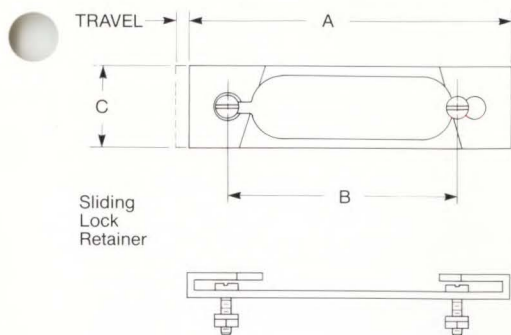
Kit consists of (2) brackets and (2) screws.
Material: Steel
Finish: Cadmium Plate

Part no. 1800-033-01
Kit consists of (2) brackets and (2) screws.
Material: Steel
Finish: Cadmium Plate
Size: 9-37 Position



D-SUBMINIATURE CONNECTORS/ACCESSORIES

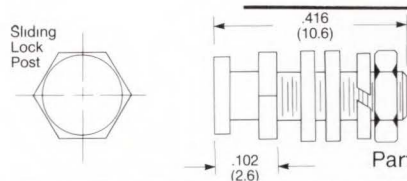
SLIDING LOCK ASSEMBLIES



RETAINER KIT

Retainer Kit Part Number	Connector Size	Dimensions		
		A	B	C
1800-023-09	9	1.397 (35.5)	.984 (25)	.503 (12.8)
1800-023-15	15	1.728 (43.9)	1.315 (33.4)	.503 (12.8)
1800-023-25	25	2.264 (57.5)	1.850 (47)	.503 (12.8)
1800-023-37	37	2.913 (74)	2.500 (63.5)	.503 (12.8)
1800-023-50	50	2.819 (71.6)	2.401 (61)	.610 (15.5)

The kit is made up of the slide, 2 screws, 2 split washers, and 2 nuts.
Material: Steel, Electroplated

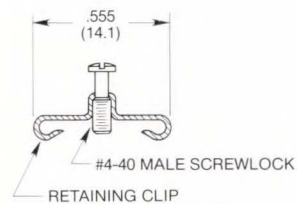


LOCKING POST KIT

Part No. 1800-036-01

The kit is made up of 2 screws, 4 washers, 2 split washers and 2 nuts. One kit should be ordered per connector or slide.
Material: Steel, Electroplated

SCREW LOCK ASSEMBLIES

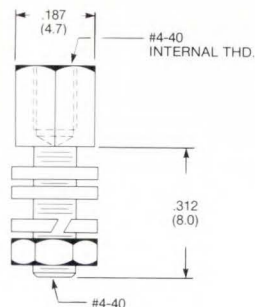


MALE SCREWLOCK

1800-024-01

Kit Part Number	Fits Connector Sizes	Each Kit Contains
1800-024-01	9, 15, 25, 37	(2) Male Screws (2) Retaining Clips
1800-034-01	9, 15, 25, 37, 50	(2) Female Screwlocks (4) Flat Washers (2) Lock Washers (2) Nuts

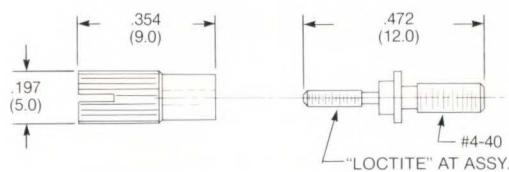
Material: Steel, Electroplated



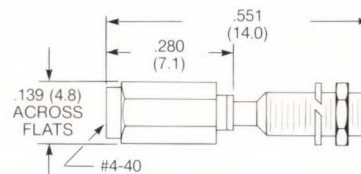
FEMALE SCREWLOCK

1800-034-01

JACK SCREW ASSEMBLIES



Male, Part Number 1800-027-01
Material: Steel, Electroplated



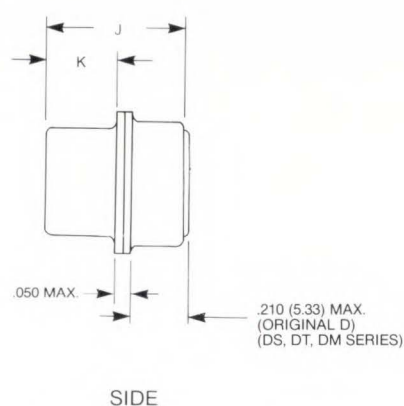
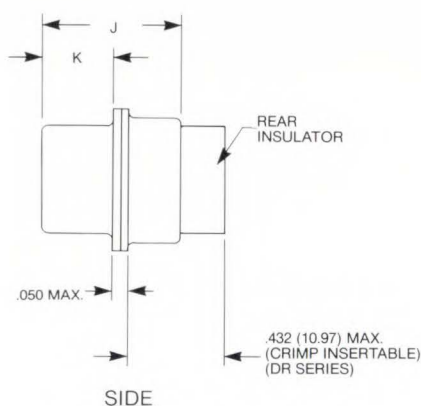
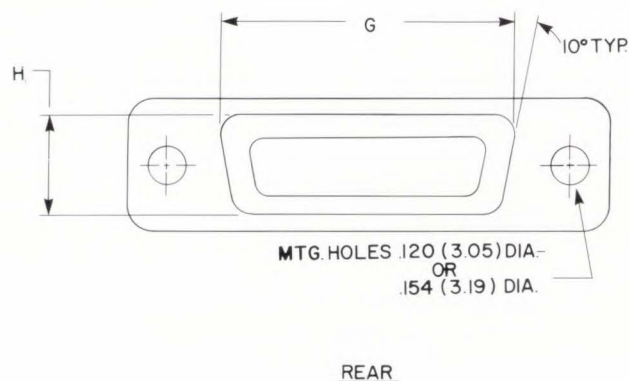
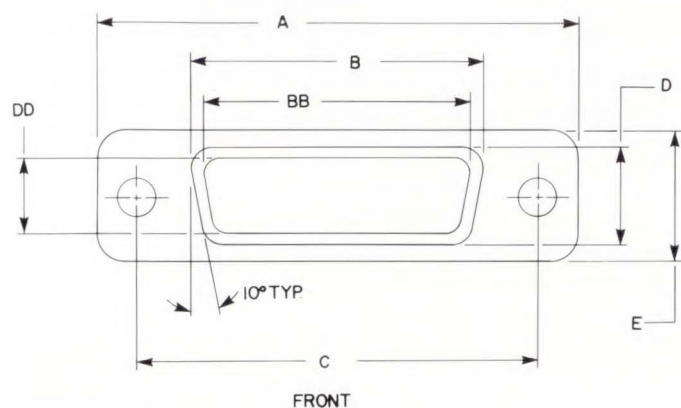
Female, Part Number 1800-035-01
Material: Steel, Electroplated

All kits supplied unassembled.



D-SUBMINIATURE CONNECTORS/PANEL CUTOUT PATTERNS

STANDARD SHELL ORIGINAL & CRIMP INSERTABLE D



Connector Size	Connector Type	A ±.015 (±0.38)	B ±.010 (±0.25)	BB ±.010 (±0.25)	C ±.005 (±0.13)	D ±.010 (±0.25)	DD ±.010 (±0.25)	E ±.015 (±0.38)	G ±.010 (±0.25)	H ±.010 (±0.25)	J ±.015 (±0.38)	K ±.010 (±0.25)
9	Pin	1.213 (30.81)	—	.666 (16.92)	.984 (24.99)	—	.329 (8.36)	.494 (12.55)	.759 (19.28)	.422 (10.72)	.422 (10.72)	.235 (5.97)
9	Socket	1.213 (30.81)	.640 (16.26)	—	.984 (24.99)	.311 (7.90)	—	.494 (12.55)	.759 (19.28)	.422 (10.72)	.429 (10.90)	.243 (6.17)
15	Pin	1.541 (39.14)	—	.994 (25.25)	1.312 (33.32)	—	.329 (8.36)	.494 (12.55)	1.083 (27.52)	.422 (10.72)	.422 (10.72)	.235 (5.97)
15	Socket	1.541 (39.14)	.968 (24.59)	—	1.312 (33.32)	.311 (7.90)	—	.494 (12.55)	1.083 (27.52)	.422 (10.72)	.429 (10.90)	.243 (6.17)
25	Pin	2.088 (53.04)	—	1.534 (38.96)	1.852 (47.04)	—	.329 (8.36)	.494 (12.55)	1.625 (41.28)	.422 (10.72)	.426 (10.82)	.230 (5.84)
25	Socket	2.088 (53.04)	1.508 (38.30)	—	1.852 (47.04)	.311 (7.90)	—	.494 (12.55)	1.625 (41.28)	.422 (10.72)	.429 (10.90)	.243 (6.17)
37	Pin	2.729 (69.32)	—	2.182 (55.42)	2.500 (63.50)	—	.329 (8.36)	.494 (12.55)	2.272 (57.71)	.422 (10.72)	.426 (10.82)	.230 (5.84)
37	Socket	2.729 (69.32)	2.156 (54.76)	—	2.500 (63.50)	.311 (7.90)	—	.494 (12.55)	2.272 (57.71)	.422 (10.72)	.429 (10.90)	.243 (6.17)
50	Pin	2.635 (66.93)	—	2.079 (52.81)	2.406 (61.11)	—	.436 (11.07)	.605 (15.37)	2.178 (55.32)	.534 (13.56)	.426 (10.82)	.230 (5.84)
50	Socket	2.635 (66.93)	2.062 (52.37)	—	2.406 (61.11)	.423 (10.74)	—	.605 (15.37)	2.178 (55.32)	.534 (13.56)	.429 (10.90)	.243 (6.17)

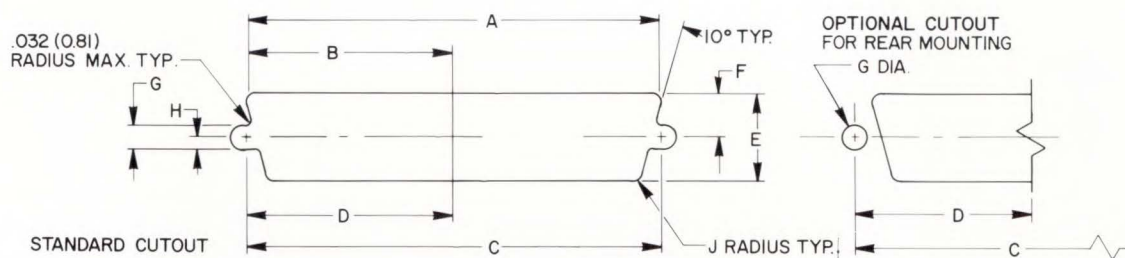
Note: B and D are outside dimensions for the socket connector. BB and DD are inside dimensions for the pin connector.

Specifications are subject to change without notice.

For special requirements consult factory.

D-SUBMINIATURE CONNECTORS/PANEL CUTOUT PATTERNS

PANEL CUTOUT PATTERNS



Connector Size	Mounting Type	Mounting Method	A	B	C	D	E	F	G	H	J
			±.005 (±0.13)	±.005 (±0.13)	±.005 (±0.13)	±.005 (±0.13)	±.005 (±0.13)	±.005 (±0.13)	±.002 (±0.05)	±.002 (±0.05)	±.002 (±0.05)
9	Standard	Front Mounting	.874 (22.20)	.437 (11.10)	.984 (24.99)	.492 (12.50)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
		Rear Mounting	.806 (20.47)	.403 (10.24)	.984 (24.99)	.492 (12.50)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
9	Floating Bushings	Front Mounting	.906 (23.01)	.453 (11.51)	.984 (24.99)	.492 (12.50)	.545 (13.84)	.273 (6.93)	.088 (2.24)	.044 (1.12)	.083 (2.11)
		Rear Mounting	.838 (21.29)	.419 (10.64)	.984 (24.99)	.492 (12.50)	.481 (12.22)	.241 (6.12)	.088 (2.24)	.044 (1.12)	.132 (3.35)
15	Standard	Front Mounting	1.202 (30.53)	.601 (15.27)	1.312 (33.32)	.656 (16.66)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
		Rear Mounting	1.134 (28.80)	.567 (14.40)	1.312 (33.32)	.656 (16.66)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
15	Floating Bushings	Front Mounting	1.234 (31.34)	.617 (15.67)	1.312 (33.32)	.656 (16.66)	.545 (13.84)	.273 (6.93)	.088 (2.24)	.044 (1.12)	.083 (2.11)
		Rear Mounting	1.166 (29.62)	.583 (14.81)	1.312 (33.32)	.656 (16.66)	.481 (12.22)	.241 (6.12)	.088 (2.24)	.044 (1.12)	.132 (3.35)
25	Standard	Front Mounting	1.743 (44.27)	.872 (22.15)	1.852 (47.04)	.926 (23.52)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
		Rear Mounting	1.674 (42.51)	.837 (21.26)	1.852 (47.04)	.926 (23.52)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
25	Floating Bushings	Front Mounting	1.775 (45.09)	.888 (22.56)	1.852 (47.04)	.926 (23.52)	.545 (13.84)	.273 (6.93)	.088 (2.24)	.044 (1.12)	.083 (2.11)
		Rear Mounting	1.706 (43.33)	.853 (21.67)	1.852 (47.04)	.926 (23.52)	.481 (12.22)	.241 (6.12)	.088 (2.24)	.044 (1.12)	.132 (3.35)
37	Standard	Front Mounting	2.391 (60.71)	1.196 (30.38)	2.500 (63.50)	1.250 (31.75)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
		Rear Mounting	2.326 (59.08)	1.163 (29.54)	2.500 (63.50)	1.250 (31.75)	.449 (11.40)	.255 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
37	Floating Bushings	Front Mounting	2.423 (61.54)	1.212 (30.78)	2.500 (63.50)	1.250 (31.75)	.545 (13.84)	.273 (6.93)	.088 (2.24)	.044 (1.12)	.083 (2.11)
		Rear Mounting	2.354 (59.79)	1.177 (29.90)	2.500 (63.50)	1.250 (31.75)	.481 (12.22)	.241 (6.12)	.088 (2.24)	.044 (1.12)	.132 (3.35)
50	Standard	Front Mounting	2.297 (58.34)	1.149 (29.18)	2.406 (61.11)	1.203 (30.56)	.623 (15.82)	.312 (7.92)	.120 (3.05)	.060 (1.52)	.083 (2.11)
		Rear Mounting	2.218 (56.34)	1.109 (28.17)	2.406 (61.11)	1.203 (30.56)	.555 (14.10)	.278 (7.06)	.120 (3.05)	.060 (1.52)	.132 (3.35)
50	Floating Bushings	Front Mounting	2.329 (59.16)	1.165 (29.59)	2.406 (61.11)	1.203 (30.56)	.655 (16.64)	.328 (8.33)	.088 (2.24)	.044 (1.12)	.083 (2.11)
		Rear Mounting	2.250 (57.15)	1.125 (28.57)	2.406 (61.11)	1.203 (30.56)	.587 (14.91)	.294 (7.47)	.088 (2.24)	.044 (1.12)	.132 (3.35)

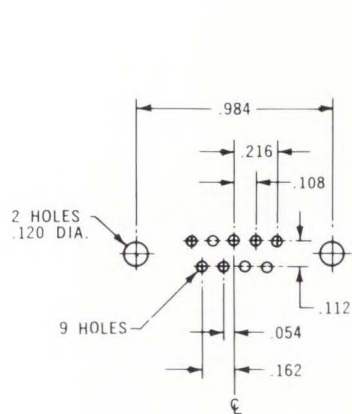


D-SUBMINIATURE CONNECTORS/MOUNTING HOLE PATTERNS

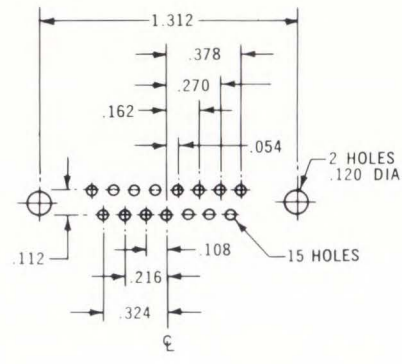
CONTACT TAIL DIAMETER

RECOMMENDED P.C. BOARD HOLE DIAMETER

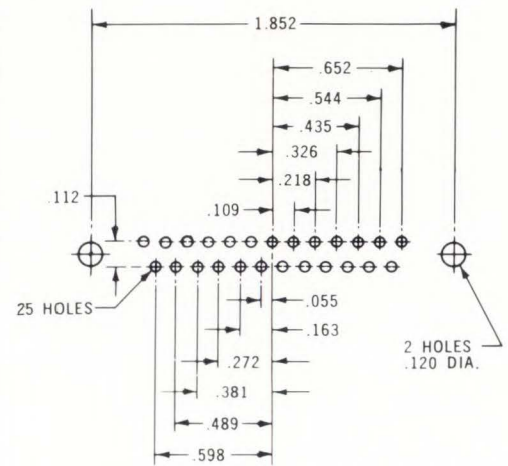
.024 (0.61)		.040 (1.02)
.030 (0.76)		.045 (1.14)
.040 (1.02)		.055 (1.40)



9 CONTACTS



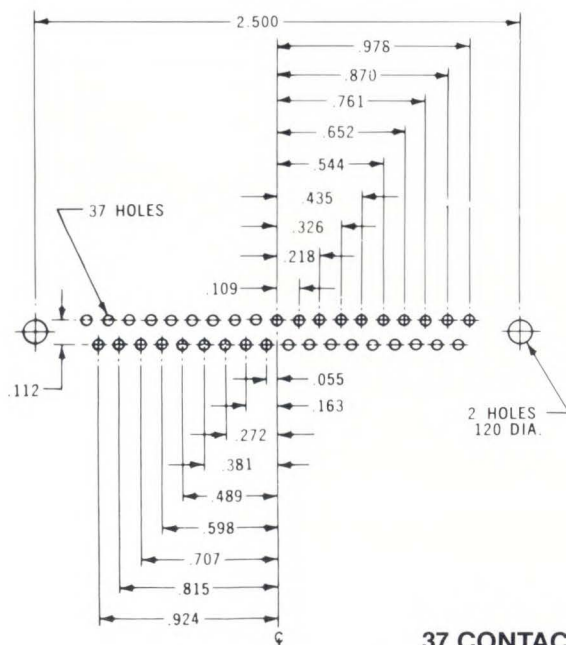
15 CONTACTS



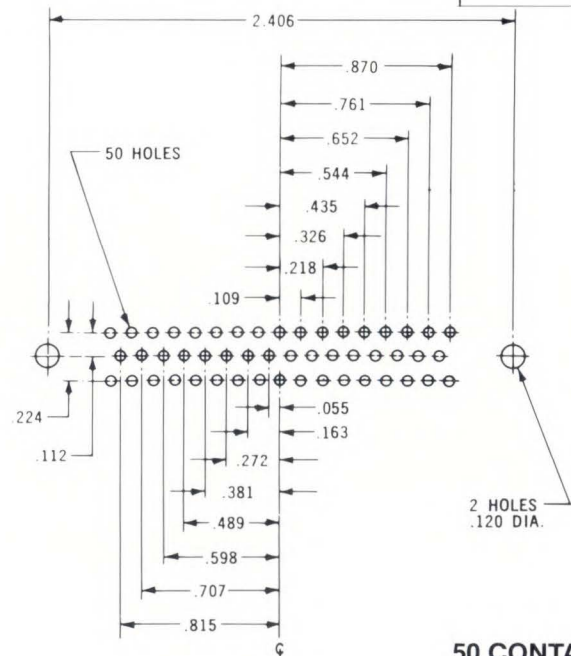
25 CONTACTS

CONVERSION CHART—INCHES TO (MILLIMETERS)

.054 (1.37)	.112 (2.84)	.216 (5.49)	.272 (6.91)	.381 (9.68)	.598 (15.19)	.816 (20.73)	.984 (24.99)
.055 (1.40)	.120 (3.05)	.218 (5.54)	.324 (8.23)	.435 (11.05)	.652 (16.56)	.870 (22.10)	1.312 (33.32)
.108 (2.74)	.162 (4.11)	.224 (5.69)	.326 (8.28)	.489 (12.42)	.707 (17.96)	.924 (23.47)	1.852 (47.04)
.109 (2.77)	.163 (4.14)	.270 (6.86)	.378 (9.60)	.544 (13.82)	.761 (19.33)	.978 (24.84)	2.406 (61.11)
							2.500 (63.50)



37 CONTACTS



50 CONTACTS

Specifications are subject to change without notice.

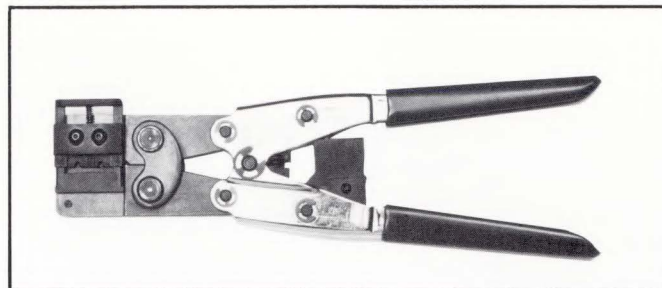
For special requirements consult factory.

D-SUBMINIATURE CONNECTORS/CRIMP TOOLS

FOR USE WITH DR SERIES CRIMP-INSERTABLE CONTACTS

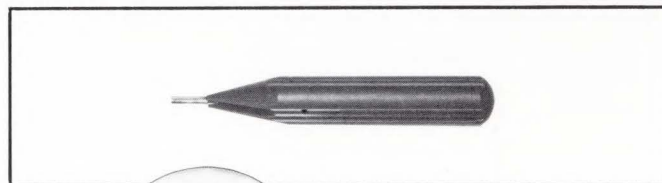
P/N 1800-021 CRIMP HAND TOOL

For low volume production on loose-piece pin or socket contacts.



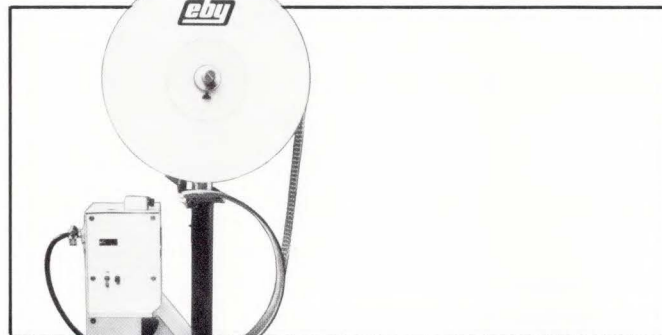
P/N 1800-022 EXTRACTION TOOL

For replacing or repairing individual pin or socket contacts. (May also be used to aid in inserting contacts).



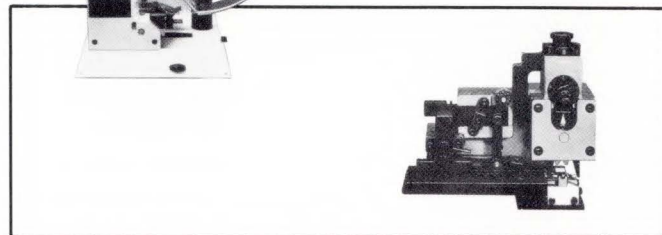
P/N 1800-056 SEMI-AUTOMATIC STRIPPER/CRIMPER

For high volume production using reeled pin or socket contacts.



P/N 1800-057-01 CONTACT CRIMPING UNIT

For 20-24 AWG and 24-28 AWG.
(To be used w/bench top crimping press).





D-SUBMINIATURE CRIMP-INSERTABLE CONNECTORS

PART NUMBER CROSS REFERENCE

No. of Positions	Male—Tin Plated Shell without Grounding Tabs		Female—Tin Plated Shell	
	AMP	EBY	AMP	EBY
9	205204-3	DR09-P01-OS	205203-3	DR09-S01-OS
15	205206-2	DR15-P01-OS	205205-2	DR15-S01-OS
25	207464-1	DR25-P01-OS	207463-1	DR25-S01-OS
37	205210-2	DR37-P01-OS	205209-2	DR37-S01-OS
50	205212-2	DR50-P01-OS	205211-2	DR50-S01-OS

No. of Positions	Male—Tin Plated Shell with Grounding Tabs		(Female—Not Available with Grounding Tabs)	
	AMP	EBY		
9	205204-4	DR09-P03-OS		
15	205206-3	DR15-P03-OS		
25	207464-2	DR25-P03-OS		
37	205210-3	DR37-P03-OS		
50	205212-3	DR50-P03-OS		

No. of Positions	Male—Yellow Chromate over Zinc Plated Shell			Female—Yellow Chromate over Zinc Plated Shell		
	AMP	EBY	Positronic	AMP	EBY	Positronic
9	205204-1	DR09-P02-OS	CD- 9M	205203-1	DR09-S02-OS	CD- 9F
15	205206-1	DR15-P02-OS	CD-15M	205205-1	DR15-S02-OS	CD-15F
25	205208-1	DR25-P02-OS	CD-25M	205207-1	DR25-S02-OS	CD-25F
37	205210-1	DR37-P02-OS	CD-37M	205209-1	DR37-S02-OS	CD-37F
50	205212-1	DR50-P02-OS	CD-50M	205211-1	DR50-S02-OS	CD-50F

CONTACTS

Male			Female		
AMP	EBY	How Supplied	AMP	EBY	How Supplied
20-24 AWG			24-28 AWG		
—	1801-001	10,000 per reel	—	1801-019	10,000 per reel
66506-4	1801-002	10,000 per reel	66507-4	1801-008	10,000 per reel
66506-3	1801-003	10,000 per reel	66507-3	1801-009	10,000 per reel
—	1801-004	loose	—	1801-020	loose
1-66506-0	1801-005	loose	1-66507-0	1801-021	loose
66506-9	1801-006	loose	66507-9	1801-022	loose

D-SUBMINIATURE "ORIGINAL D" CONNECTORS

PART NUMBER CROSS REFERENCE

Original D-Soldercup

No. of Positions	EBY	ITT CANNON TRW CINCH	SOURIAU
9	DS09-P01-0S	DE 9P	DE 9P
	DS09-S01-0S	DE 9S	DE 9S
15	DS15-P01-0S	DA 15P	DA 15P
	DS15-S01-0S	DA 15S	DA 15S
25	DS25-P01-0S	DB 25P	DB 25P
	DS25-S01-0S	DB 25S	DB 25S
37	DS37-P01-0S	DC 37P	DC 37P
	DS37-S01-0S	DC 37S	DC 37S
50	DS50-P01-0S	DD 50P	DD 50P
	DS50-S01-0S	DD 50S	DD 50S

Original D-Wire Wrap Tails—3 Turns

No. of Positions	EBY	ITT CANNON	TRW CINCH	SOURIAU
9	DS09-P03-0S	DE9PF 179A	DE9PF 179C	DE9P-431
	DS09-S03-0S	DE9SF 179A	DE9SF 179C	DE9S-431
15	DS15-P03-0S	DA15PF 179A	DA15PF 179C	DA15P-431
	DS15-S03-0S	DA15SF 179A	DA15SF 179C	DA15S-431
25	DS25-P03-0S	DB25PF 179A	DB25PF 179C	DB25P-431
	DS25-S03-0S	DB25SF 179A	DB25SF 179C	DB25S-431
37	DS37-P03-0S	DC37PF 179A	DC37PF 179C	DC37P-431
	DS37-S03-0S	DC37SF 179A	DC37SF 179C	DC37S-431
50	DS50-P03-0S	DD50PF 179A	DD50PF 179C	DD50P-431
	DS50-S03-0S	DD50SF 179A	DD50SF 179C	DD50S-431

Original D-Wirewrap Tails—2 Turns

No. of Positions	EBY	ITT CANNON TRW CINCH	SOURIAU
9	DS09-P02-0S	DE9PF 179	DE9P-631
	DS09-S02-0S	DE9SF 179	DE9S-631
15	DS15-P02-0S	DA15PF 179	DA15P-631
	DS15-S02-0S	DA15SF 179	DA15S-631
25	DS25-P02-0S	DB25PF 179	DB25P-631
	DS25-S02-0S	DB25SF 179	DB25S-631
37	DS37-P02-0S	DC37PF 179	DC37P-631
	DS37-S02-0S	DC37SF 179	DC37S-631
50	DS50-P02-0S	DD50PF 179	DD50P-631
	DS50-S02-0S	DD50SF 179	DD50S-631

Original D-Straight PC Terminal

No. of Positions	EBY	ITT CANNON	TRW CINCH	SOURIAU
9	DS09-P07-0S	DE9P-U	DE9PV	DE9P-331
	DS09-S07-0S	DE9S-U	DE9SV	DE9S-331
15	DS15-P07-0S	DA15P-U	DA15PV	DA15P-331
	DS15-S07-0S	DA15S-U	DA15SV	DA15S-331
25	DS25-P07-0S	DB25P-U	DB25PV	DB25P-331
	DS25-S07-0S	DB25S-U	DB25SV	DB25S-331
37	DS37-P07-0S	DC37P-U	DC37PV	DC37P-331
	DS37-S07-0S	DC37S-U	DC37SV	DC37S-331
50	DS50-P07-0S	DD50P-U	DD50PV	DD50P-331
	DS50-S07-0S	DD50S-U	DD50SV	DD50S-331

Original D-Subminiature Right Angle PC Terminals Cross Reference

No. of Positions	EBY	ITT CANNON TRW CINCH	SOURIAU
9	DS09-P20-0S	DE9P-C	DE9P-731C
	DS09-S20-0S	DE9S-C	DE9S-731C
15	DS15-P20-0S	DA15P-C	DA15P-731C
	DS15-S20-0S	DA15S-C	DA15S-731C
25	DS25-P20-0S	DB25P-C	DB25P-731C
	DS25-S20-0S	DB25S-C	DB25S-731C
37	DS37-P20-0S	DC37P-C	DC37P-731C
	DS37-S20-0S	DC37S-C	DC37S-731C
50	DS50-P20-0S	DD50P-C	DD50P-731C
	DS50-S20-0S	DD50S-C	DD50S-731C

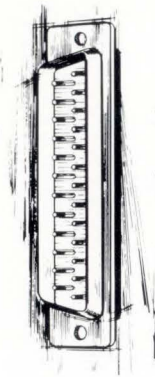
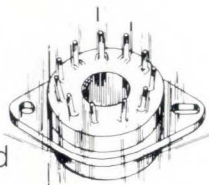
NOTE: This cross-reference listing is intended to serve as an aid. The configurations shown are for physical dimensions only—gold plating thickness may vary by manufacturer. Consult factory for differences. Amp, Cannon, Cinch, Souriau are all registered trade marks of their respective companies.

**there are very few
"full-line" connector companies
in the country...**



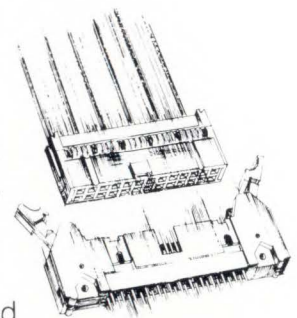
Maybe five or six. If you've been searching for a reliable source to fill your broad-based requirements, it's time you discovered the advantages of connecting with Eby.

Eby has come a long way since it pioneered the binding post way back in the "Twenties." Since then, we've evolved from a speciality house with heavy emphasis on custom engineering into a commodity-type manufacturer offering a full line of connectors.

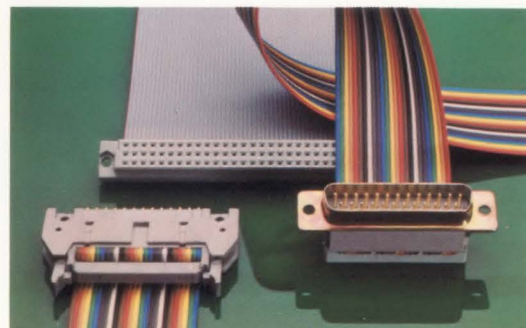
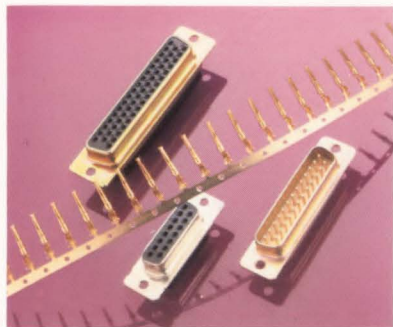


Our "full-line" includes everything from IDC's, D-Subminiatures, Card Edge and Box Connectors to Headers and Transistor Sockets. Our latest additions are the plastic and crimp snap-in D-Subminiature and we're adding new products all the time.

Yes, Eby has changed. We've broadened our line, our distribution and our technology. What hasn't changed is our quality engineering, low rejection rate and personalized customer service. It's a difference you'll like between us and the other "full-line" connector companies.



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