

.100" (2.54 MM) CONTACT SPACING FOR 1/16(1.6) PRINTED CIRCUIT BOARDS 12 THRU 100 CONTACTS

V6121-150

CARDEGE CONNECTORS DUAL READOUT

Series V6121-150 is described more comprehensively
in our "V6121-150" brochure

NO. OF CONTACTS	DIMENSIONS				
	A	B	C	D	E
6/6	.500 (12.70)	.707 (17.95)	.875 (22.22)	1.175 (29.84)	1.475 (37.46)
10/10	.900 (22.86)	1.107 (28.11)	1.275 (32.38)	1.575 (40.00)	1.875 (47.62)
12/12	1.100 (27.94)	1.307 (33.19)	1.475 (37.46)	1.775 (45.08)	2.075 (52.70)
15/15	1.400 (35.56)	1.607 (40.81)	1.775 (45.08)	2.075 (52.70)	2.375 (60.32)
18/18	1.700 (43.18)	1.907 (48.43)	2.075 (52.70)	2.375 (60.32)	2.675 (67.94)
19/19	1.800 (45.72)	2.007 (50.98)	2.175 (55.25)	2.475 (62.87)	2.775 (70.49)
20/20	1.900 (48.26)	2.107 (53.51)	2.275 (57.78)	2.575 (65.40)	2.875 (73.02)
22/22	2.100 (53.34)	2.307 (58.59)	2.475 (62.86)	2.775 (70.48)	3.075 (78.10)
25/25	2.400 (60.96)	2.607 (66.21)	2.775 (70.48)	3.075 (78.10)	3.375 (85.72)
26/26	2.500 (63.50)	2.707 (68.76)	2.875 (73.02)	3.175 (80.65)	3.475 (88.27)
28/28	2.700 (68.58)	2.907 (73.83)	3.075 (78.10)	3.375 (85.72)	3.675 (93.34)
30/30	2.900 (73.66)	3.107 (78.91)	3.275 (83.18)	3.575 (90.81)	3.875 (98.42)
31/31	3.000 (76.20)	3.207 (81.45)	3.375 (85.72)	3.675 (93.34)	3.975 (100.96)
35/35	3.400 (86.36)	3.607 (91.61)	3.775 (95.88)	4.075 (103.50)	4.375 (111.12)
36/36	3.500 (88.90)	3.707 (94.15)	3.875 (98.42)	4.175 (106.04)	4.475 (113.66)
40/40	3.900 (99.06)	4.107 (104.31)	4.275 (108.58)	4.575 (116.20)	4.875 (123.82)
43/43	4.200 (106.68)	4.407 (111.93)	4.575 (116.20)	4.875 (123.82)	5.175 (131.44)
44/44	4.300 (109.22)	4.507 (114.47)	4.675 (118.74)	4.975 (126.36)	5.275 (133.98)
50/50	4.900 (124.46)	5.107 (129.71)	5.275 (133.98)	5.575 (141.60)	5.875 (149.22)

MATERIALS AND FINISHES

Molded inserts: Phenolic molding compound, per MIL-M-14, type MFH.
Optional material: Diallyl phthalate, per MIL-M-14, type GDI-30F

Contacts: Beryllium copper, per QQ-C-533.

Contact finishes: Gold plate, per MIL-G-45204. Thicknesses:
0.000015" (0.4 micron).

30 - 0.000030" (0.8 micron) - Class 0.

50 - 0.000050" (1.3 microns) - Class 1. (MIL-SPEC approved)
Other finishes on request.

PERFORMANCE CHARACTERISTICS

Voltages, breakdown (volts rms, 60Hz):

At sea level: 2,000; At 70,000 feet: 500.

Voltages, test (volts rms, 60Hz):

At sea level: 1,500; At 70,000 feet: 375.

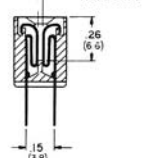
Current rating: 3 amperes max. per contact.

PART NUMBER NOMENCLATURE

1	2	3	4	5	6
V6121-150	-	72	DD13	A	- 30

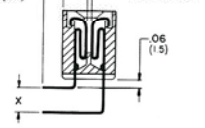
- Series: **V6121-150**.
- Number of contacts: **12 thru 100**.
- Termination: **X, DD13, DD20, DD38**.
- Mounting style: **A, B, C, M3, A9**.
(Without "ears" is otherwise supplied).
- Optional diallyl phthalate molding: **GDF**.
(Phenolic is otherwise supplied).
- Optional gold thickness: **30, 50**.
(0.000015", 0.4 micron, is otherwise supplied).

ACCEPTS
.054-.071 THK
(.137) - (.180)
P.C. BOARD



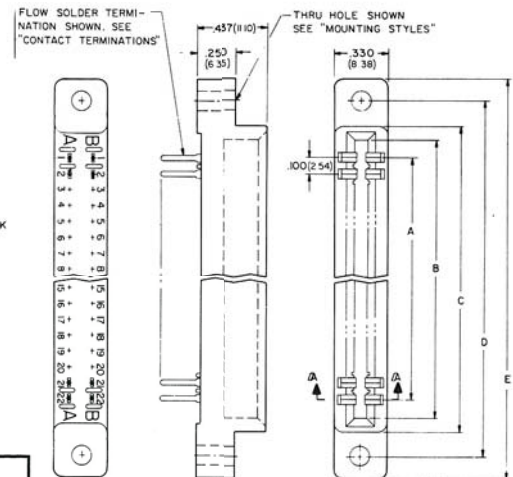
Section A-A

ACCEPTS
.054-.071 THK
(.137) - (.180)
P.C. BOARD

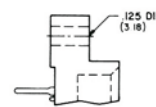


90° Terminals
Flow (Dip) Solder

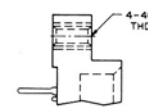
X	CODE
.156 (3.96)	DD9
.200 (5.08)	DD9K1



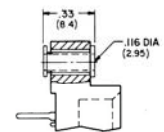
MOUNTING STYLES



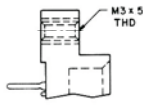
A
Thru-Hole



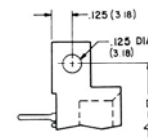
B
Threaded Insert



C
Floating Bushing



M3
Metric Thread

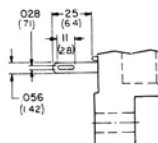


A9
90° Thru-Hole

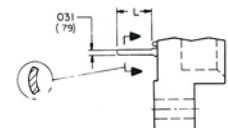


Without "Ears"

TERMINATIONS

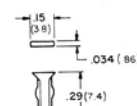


X
Solder Lug



DD13, DD20, DD38
Flow(Dip) Solder
Fits .037(.94) DIA hole

POLARIZING KEY (Nylon)



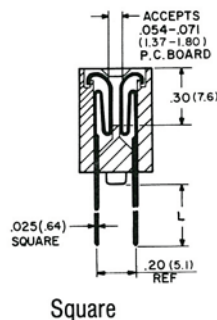
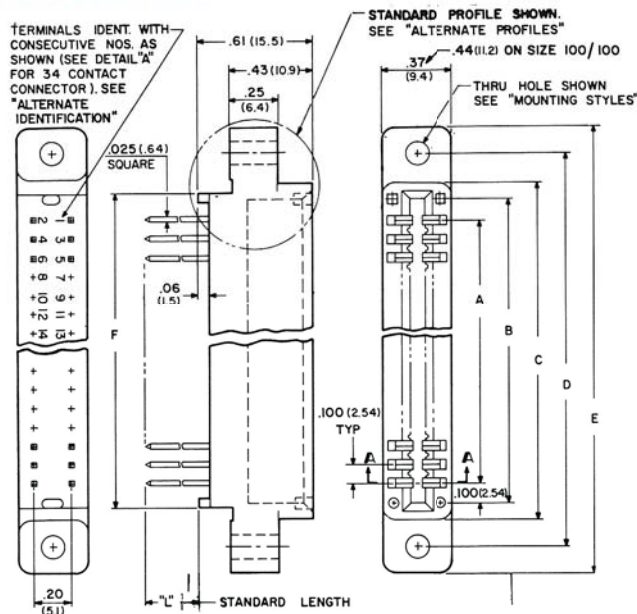
602-39

L	ORDERING CODE
.13 (3.3)	DD13
.20 (5.1)	DD20
.38 (9.7)	DD38

6100-200

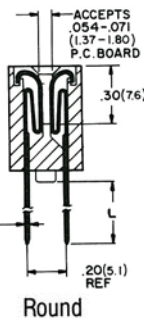
CARDEDGE CONNECTORS DUAL READOUT

Series 6100-200 is described more comprehensively in our "6100-200" brochure

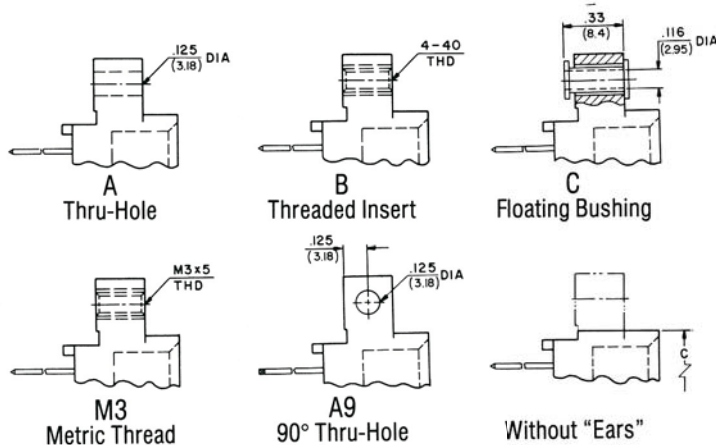


TERMINATIONS

"L"*	CODE SQUARE TERMINATIONS	CODE ROUND TERMINATIONS
.11 (2.8)	W11	D11
.16 (4.1)	W16	D16
.20 (5.1)	W20	D20
.30 (7.6)	W30	D30
.45 (11.4)	W45	D45
.60 (15.2)	W	D60



MOUNTING STYLES



OTHER OPTIONS

Alternate molding profiles (flush mounting; without standoffs), alternate contact identification, 90° terminations (square and round), alternate contact finishes, between contact polarizing keys.

.100" (2.54 MM) CONTACT SPACING FOR 1/16(1.6) PRINTED CIRCUIT BOARD .025 (.64) SQ. OR .026 (.66) RND. TERMN. 12 THRU 200 CONTACTS

NO. OF CONTACTS	DIMENSIONS					
	A	B	C	D	E	F
6/6	.500 (12.70)	.700 (17.78)	.860 (21.84)	1.175 (29.85)	1.435 (36.45)	.750 (19.05)
10/10	.900 (22.86)	1.100 (27.94)	1.260 (32.00)	1.575 (40.01)	1.835 (46.61)	1.150 (29.21)
15/15	1.400 (35.56)	1.600 (40.64)	1.760 (44.70)	2.075 (52.71)	2.335 (59.31)	1.650 (41.91)
17/17	1.600 (40.64)	1.820 (46.23)	1.970 (50.04)	2.240 (56.90)	2.500 (63.50)	1.840 (46.74)
18/18	1.700 (43.18)	1.900 (48.26)	2.060 (52.32)	2.375 (60.33)	2.635 (66.93)	1.950 (49.53)
20/20	1.900 (48.26)	2.100 (53.34)	2.260 (57.40)	2.575 (65.41)	2.835 (72.01)	2.150 (54.61)
*22/22	2.100 (53.34)	2.300 (58.42)	2.460 (62.48)	2.775 (70.49)	3.035 (77.09)	2.350 (59.69)
24/24	2.300 (58.42)	2.500 (63.50)	2.660 (67.56)	2.975 (75.57)	3.235 (82.17)	2.550 (64.77)
25/25	2.400 (60.96)	2.600 (66.04)	2.760 (70.10)	3.075 (78.11)	3.335 (84.71)	2.650 (67.31)
26/26	2.500 (63.50)	2.700 (68.58)	2.900 (73.66)	3.200 (81.28)	3.500 (88.90)	2.775 (70.49)
28/28	2.700 (68.58)	2.900 (73.66)	3.060 (77.72)	3.375 (85.73)	3.635 (92.33)	2.950 (74.93)
30/30	2.900 (73.66)	3.100 (78.74)	3.260 (82.80)	3.575 (90.81)	3.835 (97.41)	3.150 (80.01)
35/35	3.400 (86.36)	3.600 (91.44)	3.760 (95.50)	4.075 (103.51)	4.335 (110.11)	3.650 (92.71)
*36/36	3.500 (88.90)	3.700 (93.98)	3.860 (98.04)	4.175 (106.05)	4.435 (112.65)	3.750 (95.25)
40/40	3.900 (99.06)	4.100 (104.14)	4.260 (108.20)	4.575 (116.21)	4.835 (122.81)	4.150 (105.41)
*43/43	4.200 (106.68)	4.400 (111.76)	4.560 (115.82)	4.875 (123.83)	5.135 (130.43)	4.450 (113.03)
44/44	4.300 (109.22)	4.500 (114.30)	4.660 (118.36)	4.975 (126.37)	5.235 (132.97)	4.550 (115.57)
48/48	4.700 (119.38)	4.900 (124.46)	5.150 (130.81)	5.450 (138.43)	5.710 (145.03)	5.130 (130.30)
*50/50	4.900 (124.46)	5.100 (129.54)	5.260 (133.60)	5.575 (141.61)	5.835 (148.21)	5.150 (130.81)
60/60	5.900 (149.86)	6.100 (154.94)	6.260 (159.00)	6.575 (167.01)	6.835 (173.61)	6.150 (156.21)
61/61	6.000 (152.40)	6.200 (157.48)	6.360 (161.54)	6.675 (169.55)	6.940 (176.28)	6.250 (158.75)
65/65	6.400 (162.56)	6.600 (167.64)	6.760 (171.70)	7.075 (179.71)	7.335 (186.31)	6.650 (168.91)
70/70	6.900 (175.26)	7.100 (180.34)	7.260 (184.40)	7.575 (192.41)	7.835 (199.01)	7.150 (181.61)
75/75	7.400 (187.96)	7.600 (193.04)	7.760 (197.10)	8.075 (205.11)	8.335 (211.71)	7.650 (194.31)
100/100	9.900 (251.46)	10.100 (256.54)	10.260 (260.60)	10.575 (268.61)	10.835 (275.21)	10.150 (257.81)

*THESE CONNECTORS ARE AVAILABLE IN THE FOLLOWING ALTERNATE LENGTHS. ORDER BY ADDING PREFIX "R" TO P/N. EXAMPLE: R6100-200-72WA.

22/22	2.100 (53.34)	2.300 (58.42)	2.550 (64.77)	2.850 (72.39)	3.110 (78.99)	2.350 (59.69)
36/36	3.500 (88.90)	3.700 (93.98)	3.950 (100.33)	4.250 (107.95)	4.550 (115.57)	3.930 (99.82)
43/43	4.200 (106.68)	4.400 (111.76)	4.650 (118.11)	4.950 (125.73)	5.250 (133.35)	4.630 (117.60)
50/50	4.900 (124.46)	5.100 (129.54)	5.350 (135.89)	5.650 (143.51)	5.950 (151.13)	5.330 (135.38)

MATERIALS AND FINISHES

Molded inserts: Phenolic molding compound, per MIL-M-14, type MFH.

Optional material: Diallyl phthalate, per MIL-M-14, type GDI-30F.

Contacts: Phosphor bronze, per QQ-B-750.

Contact finishes: Gold plate, per MIL-G-45204. Thicknesses:

0.000015" (0.4 micron).

30 - 0.000030" (0.8 micron) - Class 0.

50 - 0.000050" (1.3 microns) - Class 1. (MIL-SPEC approved)

Other finishes on request.

PERFORMANCE CHARACTERISTICS

Voltages, breakdown (volts rms, 60Hz):

At sea level: 2,000; At 70,000 feet: 500.

Voltages, test (volts rms, 60Hz):

At sea level: 1,500; At 70,000 feet: 375.

Current rating: 3 amperes max. per contact.

PART NUMBER NOMENCLATURE

1	2	3	4	5	6
6100-200	-	100	W20	A	GDF - 50

1. Series: 6100-200.

2. Number of contacts: 12 thru 200.

3. Termination: W11, W16, W20, W30, W45, W, D11, D16, D20, D30, D45, D60.

4. Mounting style: A, B, C, M3, A9.

(Without "ears" is otherwise supplied).

5. Optional diallyl phthalate molding: GDF.

(Phenolic is otherwise supplied).

6. Optional gold thickness: 30, 50.

(0.000015", 0.4 micron, is otherwise supplied).

.125" (3.18 MM) CONTACT SPACING FOR 1/16(1.6) PRINTED CIRCUIT BOARD .025 (.64) SQ. OR .026 (.66) RND. TERMN. 12 THRU 200 CONTACTS

6125-250

CARDEDGE CONNECTORS DUAL READOUT

NO. OF CONTACTS	DIMENSIONS					
	A	B	C	D	E	F
6/6	.625 (15.90)	.875 (22.23)	1.035 (26.29)	1.295 (32.89)	1.555 (39.50)	.875 (22.23)
10/10	1.125 (28.58)	1.375 (34.93)	1.535 (38.99)	1.795 (45.59)	2.055 (52.20)	1.375 (34.93)
15/15	1.750 (44.45)	2.000 (50.80)	2.160 (54.86)	2.420 (61.47)	2.580 (66.07)	2.000 (50.80)
18/18	2.125 (53.98)	2.375 (60.33)	2.535 (64.39)	2.795 (70.99)	3.055 (77.60)	2.375 (60.33)
20/20	2.375 (60.33)	2.625 (66.68)	2.785 (70.74)	3.045 (77.34)	3.305 (83.95)	2.625 (66.68)
22/22	2.625 (66.68)	2.875 (73.03)	3.035 (77.09)	3.295 (83.69)	3.555 (90.30)	2.875 (73.03)
25/25	3.000 (76.20)	3.250 (82.55)	3.410 (86.61)	3.670 (93.22)	3.930 (99.82)	3.250 (82.55)
28/28	3.375 (85.73)	3.625 (92.08)	3.785 (96.14)	4.045 (102.74)	4.305 (109.35)	3.625 (92.08)
30/30	3.625 (92.08)	3.875 (98.43)	4.035 (102.49)	4.295 (109.09)	4.555 (115.70)	3.875 (98.43)
31/31	3.750 (95.25)	4.000 (101.60)	4.160 (105.66)	4.420 (112.27)	4.580 (118.87)	4.000 (101.60)
35/35	4.250 (107.95)	4.500 (114.30)	4.660 (118.36)	4.920 (124.97)	5.180 (131.57)	4.500 (114.30)
36/36	4.375 (111.13)	4.625 (117.48)	4.785 (121.54)	5.045 (128.14)	5.305 (134.75)	4.625 (117.48)
40/40	4.875 (123.83)	5.125 (130.18)	5.285 (134.24)	5.545 (140.84)	5.805 (147.45)	5.125 (130.18)
43/43	5.250 (133.35)	5.500 (139.70)	5.660 (143.76)	5.920 (150.37)	6.180 (156.97)	5.500 (139.70)
44/44	5.375 (136.53)	5.625 (142.88)	5.785 (146.94)	6.045 (153.54)	6.305 (160.15)	5.625 (142.88)
49/49	6.000 (152.40)	6.250 (158.75)	6.410 (162.81)	6.670 (169.42)	6.930 (176.02)	6.250 (158.75)
50/50	6.125 (155.58)	6.375 (161.93)	6.535 (165.99)	6.795 (172.59)	7.055 (179.20)	6.375 (161.93)
57/57	7.000 (177.80)	7.250 (184.15)	7.410 (188.21)	7.670 (194.82)	7.930 (201.42)	7.250 (184.15)
60/60	7.375 (187.33)	7.625 (193.68)	7.785 (197.74)	8.045 (204.34)	8.305 (210.95)	7.625 (193.68)
65/65	8.000 (203.20)	8.250 (209.55)	8.410 (213.61)	8.670 (220.22)	8.930 (226.82)	8.250 (209.55)
75/75	9.250 (234.95)	9.500 (241.30)	9.660 (245.36)	9.920 (251.97)	10.180 (258.57)	9.500 (241.30)
80/80	9.875 (250.83)	10.125 (257.18)	10.285 (261.24)	10.545 (267.84)	10.805 (274.45)	10.125 (257.18)
100/100	12.375 (314.33)	12.625 (320.68)	12.785 (324.74)	13.045 (331.34)	13.305 (337.95)	12.625 (320.68)

MATERIALS AND FINISHES

Molded inserts: Phenolic molding compound, per MIL-M-14, type MFH.
Optional material: Diallyl phthalate, per MIL-M-14, type GDI-30F.

Contacts: Phosphor bronze, per QQ-B-750.

Contact finishes: Gold plate, per MIL-G-45204. Thicknesses:

- 0.000015" (0.4 micron).
 - 30 - 0.000030" (0.8 micron) - Class 0.
 - 50 - 0.000050" (1.3 microns) - Class 1. (MIL-SPEC approved)
- Other finishes on request.

PERFORMANCE CHARACTERISTICS

Voltages, breakdown (volts rms, 60Hz):

At sea level: 2,400; At 70,000 feet: 600.

Voltages, test (volts rms, 60Hz):

At sea level: 1,800; At 70,000 feet: 450.

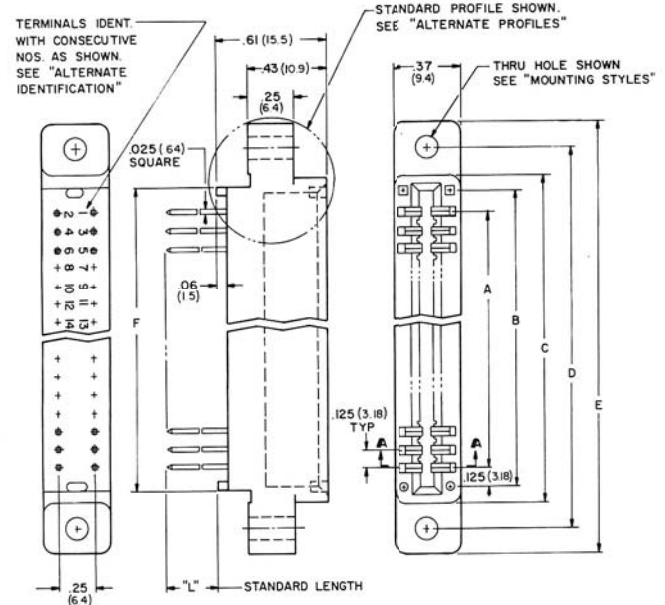
Current rating: 3 amperes max. per contact.

PART NUMBER NOMENCLATURE

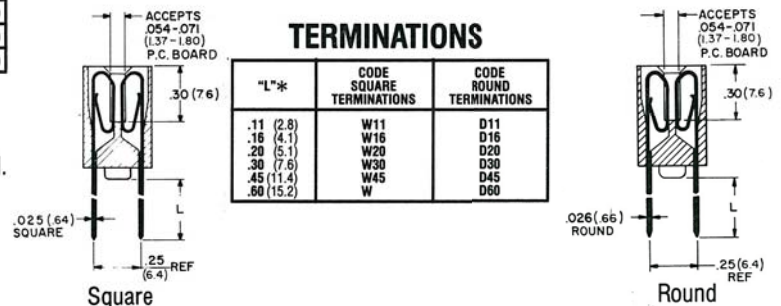
1	2	3	4	5	6
6125-250	-	100	W20	A	-

- Series: **6125-250**.
- Number of contacts: **12 thru 200**.
- Termination: **W11, W16, W20, W30, W45, W, D11, D16, D20, D30, D45, D60**.
- Mounting style: **A, B, C, M3, A9**.
(Without "ears" is otherwise supplied).
- Optional diallyl phthalate molding: **GDF**.
(Phenolic is otherwise supplied).
- Optional gold thickness: **30, 50**.
(0.000015", 0.4 micron, is otherwise supplied).

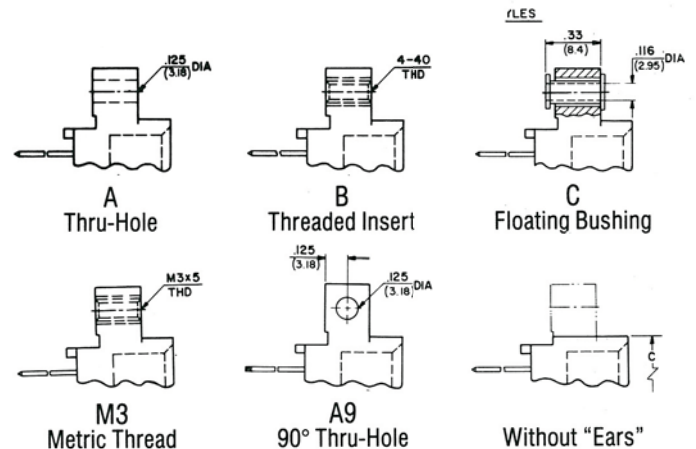
Series 6125-250 is described more comprehensively in our "6125" brochure



TERMINATIONS



MOUNTING STYLES



OTHER OPTIONS

Alternate molding profiles (flush mounting; without standoffs), alternate contact identification, 90° terminations (square and round), open-ended card slot (Series M6125-250), alternate contact finishes, between contact polarizing keys.

.156" (3.96 MM) CONTACT SPACING FOR 1/16(1.6) PRINTED CIRCUIT BOARD 12, 20, 30, 36, 44, 56, 86 CONTACTS

Q6156-140

CARDEDGE CONNECTORS
DUAL READOUT

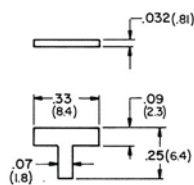
Series Q6156-140 is described more comprehensively
in our "Q6156-140" brochure

NO. OF CONTACTS	DIMENSIONS						
	A	B	C REF	D	E REF	F REF	G REF
6/6	.780 (19.81)	1.078 (27.38)	1.218 (30.94)	1.531 (38.89)	1.860 (47.24)	.328 (8.33)	.219 (5.56)
10/10	1.404 (35.66)	1.703 (43.26)	1.843 (46.81)	2.156 (54.76)	2.485 (63.12)	.328 (8.33)	.219 (5.56)
15/15	2.184 (55.47)	2.484 (63.09)	2.624 (66.65)	2.937 (74.60)	3.266 (82.96)	.328 (8.33)	.219 (5.56)
18/18	2.652 (67.36)	2.953 (75.01)	3.093 (78.56)	3.406 (86.51)	3.735 (94.87)	.328 (8.33)	.250 (6.35)
22/22	3.276 (83.21)	3.578 (90.88)	3.717 (94.41)	4.031 (102.39)	4.360 (110.74)	.328 (8.33)	.219 (5.56)
36/36	5.460 (138.68)	5.766 (146.46)	5.906 (150.01)	6.219 (157.96)	6.469 (164.31)	.438 (11.13)	.219 (5.56)
43/43	6.552 (166.42)	6.802 (172.77)	7.000 (177.80)	7.302 (185.47)	7.600 (193.04)	.438 (11.13)	.219 (5.56)

POLARIZING KEYS

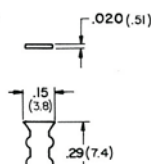
Between-Contact Position

In-Contact Position



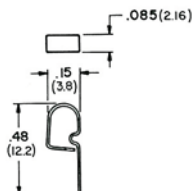
602-18

For sizes 6/6, 10/10,
15/15, 18/18, 22/22



602-41

For sizes 36/36, 43/43



602-14

For all sizes

MATERIALS AND FINISHES

Molded inserts: Phenolic molding compound, per MIL-M-14, type MFH.
Optional material: Diallyl phthalate, per MIL-M-14, type GDI-30F.

Contacts: Phosphor bronze, per QQ-B-750.

Contact finishes: Gold plate, per MIL-G-45204. Thicknesses:
0.000015" (0.4 micron).

30 - 0.000030" (0.8 micron) - Class 0.

50 - 0.000050" (1.3 microns) - Class 1. (MIL-SPEC approved)
Other finishes on request.

PERFORMANCE CHARACTERISTICS

Voltages, breakdown (volts rms, 60Hz):

At sea level: 2,300; At 70,000 feet: 550.

Voltages, test (volts rms, 60Hz):

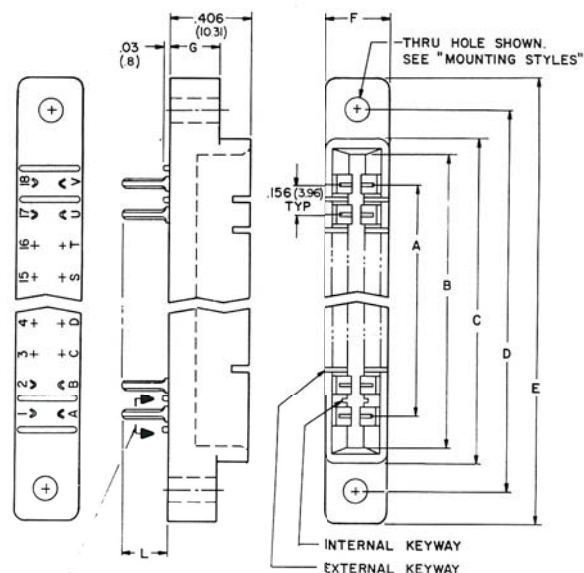
At sea level: 1,700; At 70,000 feet: 400.

Current rating: 5 amperes max. per contact.

PART NUMBER NOMENCLATURE

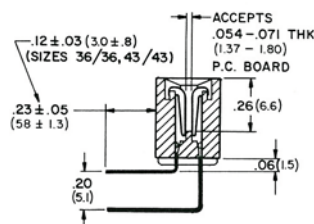
1	2	3	4	5	6
Q6156-140	-	44	Y25	A	- 30

- Series: **Q6156-140**.
- Number of contacts: **12 thru 86**.
- Termination: **X, Y14, Y19, Y25, Y41**.
- Mounting style: **A, B, C, A9**.
(Without "ears" is otherwise supplied).
- Optional diallyl phthalate molding: **GDF**.
(Phenolic is otherwise supplied).
- Optional gold thickness: **30, 50**.
(0.000015", 0.4 micron, is otherwise supplied).

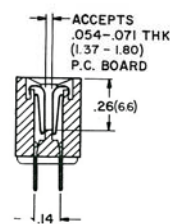


SECTION THRU TERMINAL
FITS INTO .051(1.30) DIA EYELET

L	ORDERING CODE
.14 (3.6)	Y14
.19 (4.8)	Y19
.25 (6.4)	Y25
.41 (10.4)	Y41

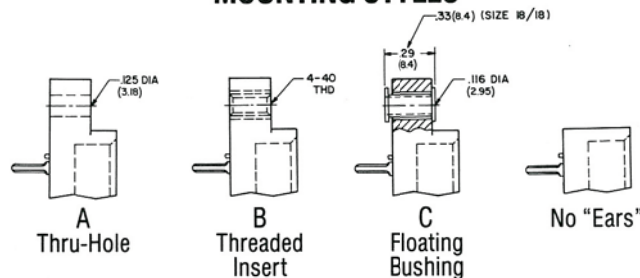


90° Terminations



Section A-A

MOUNTING STYLES



ALTERNATE TERMINAL

