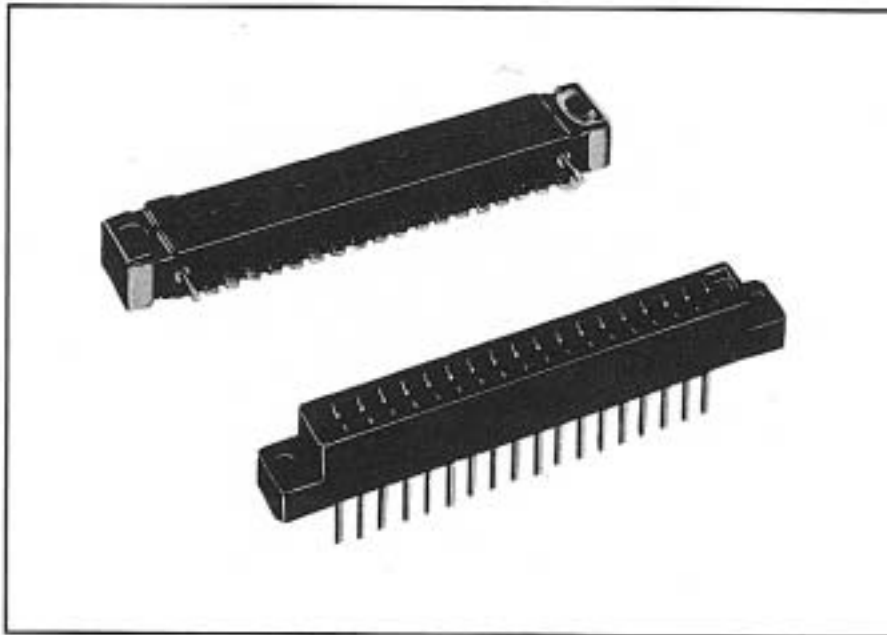


133/143 series commercial and industrial printed circuit connectors



specifications

operating voltage: 600 VAC (RMS) at sea level

current rating: 5 amps

dielectric material: industrial type blue-mineral-filled diallyl phthalate per MIL-M-14 Type MDG.

dielectric resistance: 5000 megohms min.

contact material: 133 series-brass, 143 series-phosphor bronze and copper alloy.

contact plating: standard .000020 (0.000508) min. gold over nickel

contact resistance: 25 millivolts at rated current

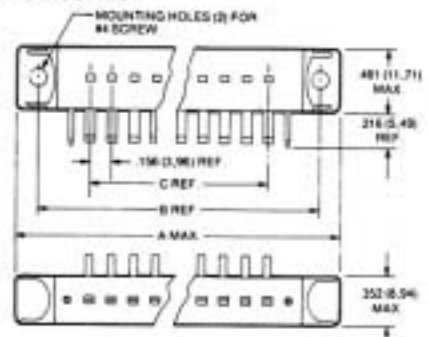
board thickness: 133 series - male plug adapters for pc boards, especially useful in situations involving other than normal 1/16 (1,57) thick boards 143 series - .054 (1,37 to .070 (1,78) pc board or 133 series plugs

guide pin material: zinc plated brass
end cap material: stainless steel (passivated)

133 series dimensions

No. of Contact Positions	A Max.	B Ref.	C Ref.
6	1.852 (47.04)	1.531 (38.89)	0.781 (19.84)
10	2.477 (62.92)	2.156 (54.76)	1.406 (35.91)
12	2.790 (70.87)	2.468 (62.69)	1.718 (43.64)
15	3.257 (82.73)	2.937 (74.60)	2.187 (55.55)
18	3.727 (94.67)	3.406 (86.51)	2.656 (67.46)
22	4.362 (110.54)	4.031 (102.38)	3.281 (83.38)

133 series



ALL DIMENSIONS REFERENCE ONLY



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 23 Front Street, Salem, NJ 08079 U.S.A.
 phone (609) 935-7601
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 country code 1

133/143 series commercial and industrial printed circuit connectors (cont.)

.156" (3.96) contact centers

order information

To order the 133/143 series connector required, put the part number together as per the following example:

1 3 3 - 0 1 5 - 2 1 - (1 0 1)

SERIES NUMBER
133 Plug
143 Receptacle

NUMBER OF CONTACT POSITIONS

Digit Group	No. of Contacts
006-	6
010-	10
012-	12
015-	15
018-	18
022-	22
026-	28
036-	36

The 28 and 36 position connectors are available only in the 143 Series.

USER INFORMATION

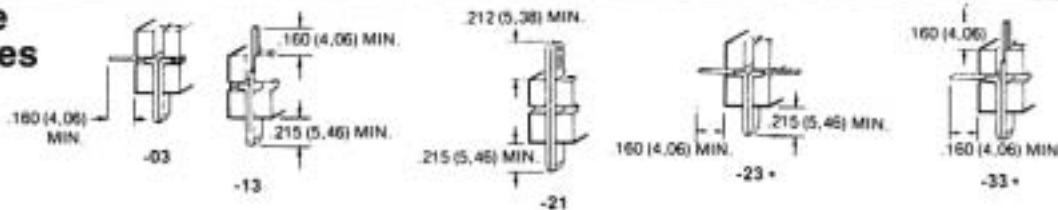
POLARIZING KEY LOCATION (on 143 Series)

A 1001-	P 1013-	c 1025-
B 1002-	R 1014-	d 1026-
C 1003-	S 1015-	e 1027-
D 1004-	T 1016-	f 1028-
E 1005-	U 1017-	g 1029-
F 1006-	V 1018-	h 1030-
H 1007-	W 1019-	j 1031-
J 1008-	X 1020-	k 1032-
K 1009-	Y 1021-	m 1033-
L 1010-	Z 1022-	n 1034-
M 1011-	a 1023-	p 1035-
N 1012-	b 1024-	r 1036-

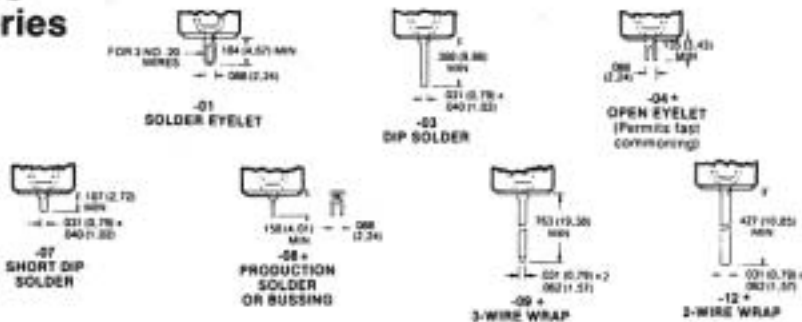
COMMON DEVIATIONS

- (101) .0001 (0.00254) min. gold-over nickel contact plating
- (102) .00003 (0.00086) gold-over-nickel contact plating
- (107) (for receptacle) stainless-steel float bushings
- + (110) (for receptacle) card guide, 15, 18 & 22 size only

tail style 133 series



143 series



polarization



*Non-stocking item — Consult factory for delivery.

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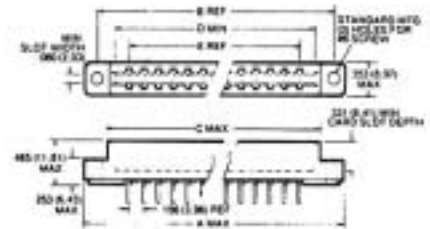
133/143 series commercial and industrial printed circuit connectors (cont.)

143 series dimensions

No. of Contacts Positions	A Max.	B Ref.	C Max.	D Min.	E Ref.
6	1.784 (45.31)	1.534 (38.96)	1.242 (31.55)	1.093 (27.76)	.781 (19.84)
10	2.411 (61.24)	2.156 (54.76)	1.870 (47.49)	1.719 (43.66)	1.406 (35.71)
12	2.724 (69.19)	2.468 (62.69)	2.181 (55.40)	2.031 (51.59)	1.718 (43.64)
15	3.194 (81.13)	2.937 (74.60)	2.650 (67.31)	2.504 (63.60)	2.187 (55.55)
18	3.664 (93.07)	3.406 (86.51)	3.120 (79.25)	2.968 (75.36)	2.656 (67.46)
22	4.291 (108.99)	4.031 (102.39)	3.747 (95.17)	3.593 (91.26)	3.281 (83.34)
28	5.227 (132.77)	4.968 (126.19)	4.683 (118.95)	4.529 (115.04)	4.219 (107.16)
**36	6.477 (164.51)	6.210 (157.73)	5.928 (150.57)	5.772 (146.60)	5.460 (138.68)

**36 card slot contains two .056 (1.42) barriers: one between contacts N & P, and one between contacts b & c.

143 series

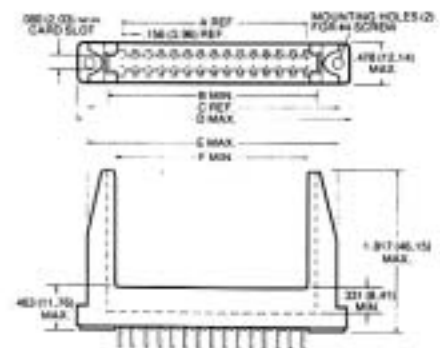


143 series commercial and industrial connectors – card guide connectors (110) deviation (special order)

Card guides extend 1 3/8" (34.92 mm) above main body of connector. These integral card guides provide positive alignment in blind installations and prevent board rocking. Has .100 (2.45 mm) more block width than standard 143 line. Available in 15, 18 and 22 position sizes with slots between contacts for plastic keys (P/N 143-754) to permit polarization without loss of contacts.

order information

For blue mineral-filled diallyl phthalate insulator, order 143-OXX-XX (110).



dimensions

POSITIONS	A REF.	B MIN.	C REF.	D MAX.	E MAX.	F MIN.
15	2.184 (55.47)	2.500 (63.50)	2.934 (74.52)	3.201 (81.31)	2.941 (74.70)	2.250 (57.15)
18	2.652 (67.36)	2.968 (75.39)	3.406 (87.51)	3.664 (93.07)	3.404 (86.46)	2.728 (69.29)
22	3.276 (83.21)	3.593 (91.26)	4.031 (102.39)	4.291 (108.99)	4.031 (102.38)	3.350 (85.09)

*Non-stocking item — Consult factory for delivery.



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