

Technical Specifications

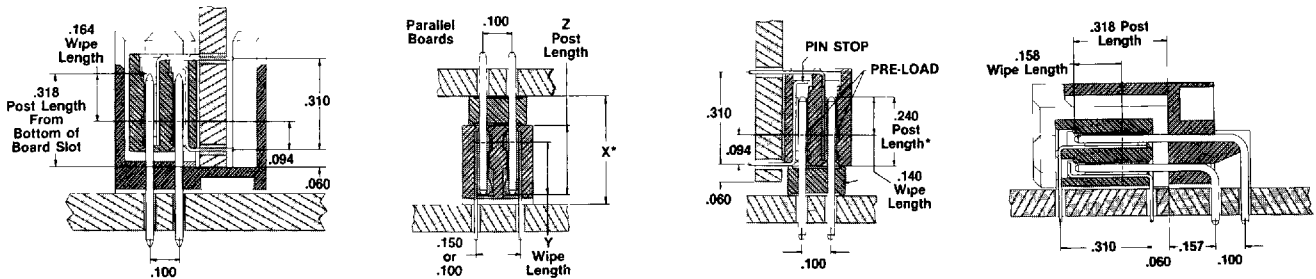
ELCO

Technical Data

Series
8251
8352
8275
8281
8381

Basic grid	100 (2.54) x 100 (2.54)
Insertion Force	1-6 oz per contact
Withdrawal force	75 oz min. per contact
Contact resistance	12 milliohms max. for gold plating
Current rating	3 amperes continuous current shall not cause a temperature rise greater than 30°C above ambient
Insulation resistance	5,000 megohms min. at 500 VDC
Dielectric withstanding voltage	1,000 VAC ms at sea level
Operating temperature	-55°C to +105°C
Insulator material	Thermoplastic polyester, 94 V-O, UL rated
Socket contact material	Phosphor bronze
Pin contact material	Phosphor bronze
Wrap post dimension	025 x 025
Push-out force of post in insulator	8251 - 3 lbs, 8352 - 2 lbs, Straight post headers - 3 lbs, Compliant post headers - 1 lb
Contact plating	Gold over nickel (see table this page) tin/lead

Design Aids



Max. Post Length .300
 Min. Recommended Post Length .170

STANDARD	X	Y	Z
265	.365	.178	.240
.335	.435	.168	.300

*This dimension can be accommodated to any size between 450 max. and 265 min. Tooling charges may apply. Consult factory for details.

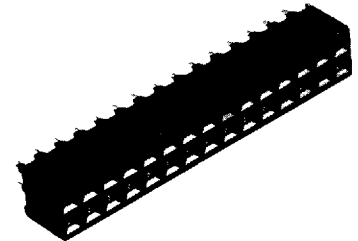
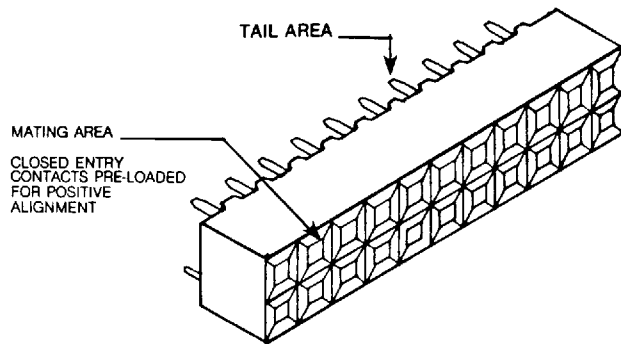
Features
Pin Stop.
Preload - to reduce insertion force & to insure interface alignment

PLATING DESCRIPTION					
MATING AREA	30 Gold	15 Gold	30 Gold	15 Gold	100/200 Tin Lead
TAIL AREA	Flash	Flash	100/200 Tin Lead	100/200 Tin Lead	100/200 Tin Lead

U.L. Recognized
 E27610 (M)

Consult factory for additional plating

Vertical Dual Row



Ordering Code

Typical Example **00 8352 086 751 820**

SERIES NUMBER _____

NUMBER OF CONTACTS _____

2 thru 86
increments of two

CONTACT CODE _____

CODE NO.	CONTACT TAIL CENTERS	Y = TAIL LENGTH
751	100 x .100	.120
752	100 x .100	.175
751	100 x .150	.120
752	100 x .150	.175
752	100 x .300	.125

VARIATION CODE

.265 PROFILE DIM. H					CONTACT TAIL CENTERS	Y = TAIL LENGTH
Mating Area	15 Gold	30 Gold	15 Gold	30 Gold		
Tail Area	Gold Flash	Gold Flash	100-200 Tin-Lead	100-200 Tin-Lead		
VARIATION CODE NUMBER						
801	810	820	830		.100 x .100	.120
802	811	821	831		.100 x .100	.175
803	812	822	832		.100 x .150	.120
804	813	823	833		.100 x .150	.175
805	814	824	834		.100 x .300	.125

.335 PROFILE DIM. H					CONTACT TAIL CENTERS	Y = TAIL LENGTH
Mating Area	15 Gold	30 Gold	15 Gold	30 Gold		
Tail Area	Gold Flash	Gold Flash	100-200 Tin-Lead	100-200 Tin-Lead		
VARIATION CODE NUMBER						
006	015	025	035		.100 x .100	.120
007	016	026	036		.100 x .100	.175
008	017	027	037		.100 x .150	.120
009	018	028	038		.100 x .150	.175

NUMBER OF POSITIONS	A	B
8	300	400
	6 35	10 16
10	400	500
	10 16	12 70
12	500	600
	12 70	15 24
20	900	1 000
	22 86	25 40
24	1 100	1 200
	27 94	30 48
28	1 300	1 400
	33 02	35 56
30	1 400	1 500
	35 56	38 10
34	1 600	1 700
	40 64	43 18
40	1 900	2 000
	48 26	50 80
42	2 000	2 100
	50 80	53 34
50	2 400	2 500
	60 96	63 50
60	2 900	3 000
	73 66	76 20
70	3 400	3 500
	86 36	88 90
80	3 900	4 000
	99 06	101 60
86	4 200	4 300
	106 68	109 22

Recommended for standard applications. Available through ELCO franchised distributors.

Additional plating and tail lengths available. Consult factory.

Vertical Dual Row

