

**.085 in. (2.16mm)
Density
Miniature Ribbon**

Wire Wrap
Metal Shell and All-Plastic

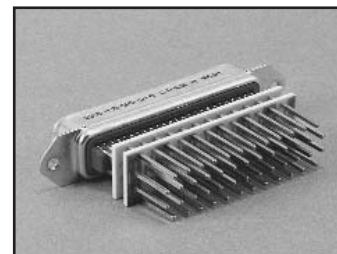
Cinch

FEATURES

- *Terminates Discrete Wire without soldering, on .025" sq. or .045" sq. tails.*
- *All-plastic design reduces cost. Metal Shell available where indicated for improved shielding.*
- *Available in plug and socket styles in 14, 24, 36, 50, and 64 position sizes.*
- *All plugs lock with InstaLatch passive latch feature for automatic latching. Sockets available with InstaLatches where indicated.*
- *Available with industry-standard bail latch feature for positive locking/unlocking without tools.*
- *UL Recognized - Files E170218 (UL1977), E130965 (UL1863).*
- *CSA Approved - File LR31996-7.*

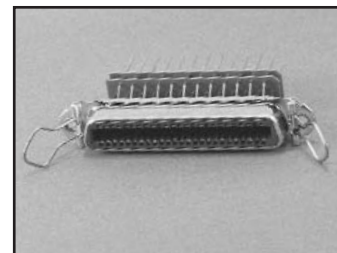
MATERIALS

Insulator (Metal Shell Product): Blue UL94V-0 rated diallyl phthalate type MDG per MIL-M14F
Insulator (All-Plastic Product): Gray UL94V-0 rated diallyl phthalate type MDG per MIL-M14F
Contact: Copper alloy
Contact Plating: Select gold over 50µin. select nickel standard;
 30µin. select gold over 50µin. select nickel available where indicated
Wire-Wrap Terminal: Cupro nickel
Shell (Metal Shell Product): Steel
Shell Plating (Metal Shell Product): Zinc with clear chromate coating



ENVIRONMENTAL

Operating Temperature: -40°C to +105°C
Shock: 50G Peak, per EIA Std. RS364, TP27, Condition A
Vibration: 3 cycles @ 10-55Hz in each of 3 axes per EIA Std. 364, TP28, condition A
Moisture Resistance: Per EIA Std. RS364, TP31, Condition B, with step 7B excluded



ELECTRICAL

Voltage Rating: 500 VAC @ sea level; 125 VAC @ 70,000 ft.
Withstanding Voltage: 1200 VAC RMS @ sea level, per EIA Std. RS364, TP20
Contact Rating: 5 Amps (4 Amps per CSA)
Contact Resistance: 6 milliohms maximum, per EIA Std. RS364, TP6
Insulation Resistance: 5000 Megohms minimum initial;
 1000 Megohms minimum after moisture

MECHANICAL

Durability: 200 mating/unmating cycles

Mating / Unmating Forces:

Size	Mating Force (max.) with InstaLatches		Unmating Force (min.) without InstaLatches	
	Lb.	Kg	Lb.	Kg
14	12	5.44	2	0.91
24	17	7.71	4	1.81
36	23	10.43	6	2.72
50	32	14.52	7	3.18
64	37	16.78	8	3.63

.085 in. (2.16mm) Density Miniature Ribbon

Wire Wrap
Metal Shell and All-Plastic

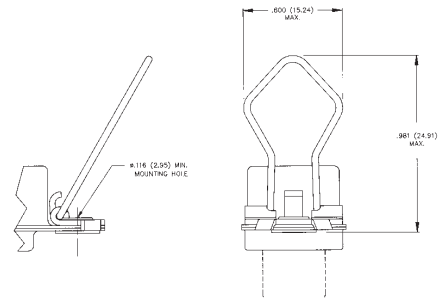
Cinch

Metal Shell

- Metal Shell Wire Wrap connectors are available with .025" sq. or .045" sq. x 1.35" (.56" wrap length) terminals. .045" sq. terminals are also available with .850" (.28" wrap length) terminals.
- Available with .103" mounting holes for #3 hardware. Sockets also available with bail latches and .116" holes.

See page 6-4 for recommended standard panel cutout dimensions.

See page 6-51 for accessories such as mounting screws, bent bail latches, and dust covers, which make the use of Cinch Miniature Ribbon connectors even more cost-effective.

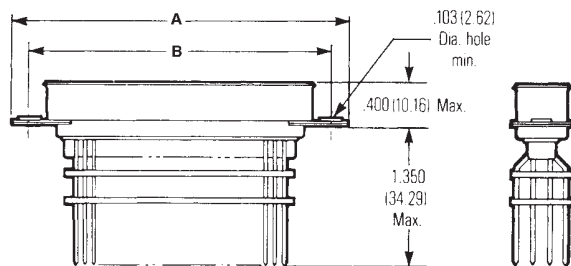


Bail Latches

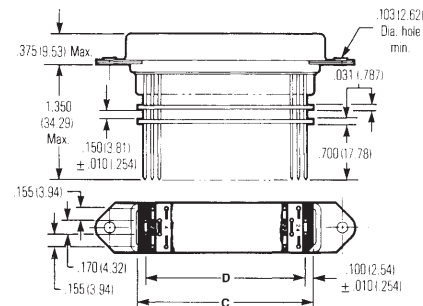
Dimensions

Sizes	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
14	1.750	44.45	1.417	35.99	0.710	18.03	0.510	12.95
24	2.175	55.25	1.842	46.79	1.135	28.83	0.935	23.75
36	2.665	67.69	2.352	59.74	1.645	41.78	1.445	36.70
50	3.260	82.80	2.947	74.85	2.240	56.90	2.040	51.82

Metal Plug



Metal Socket



Ordering Information, Metal Shell

Plug, InstaLatching

	Size	.025" sq. x 1.35" Terminals		.045" sq. x 1.35" Terminals		.045" sq. x .85" Terminals	
		Commercial	30Au/Ni	Commercial	30Au/Ni	Commercial	30Au/Ni
.103 Hole	14	57-10140-WW1	57-10140-WW1A	57-10140-WW2	57-10140-WW2A	57-10140-WW3	57-10140-WW3A
	24	57-10240-WW1	57-10240-WW1A	57-10240-WW2	57-10240-WW2A	57-10240-WW3	57-10240-WW3A
	36	57-10360-WW1	57-10360-WW1A	57-10360-WW2	57-10360-WW2A	57-10360-WW3	57-10360-WW3A
	50	57-10500-WW1	57-10500-WW1A	57-10500-WW2	57-10500-WW2A	57-10500-WW3	57-10500-WW3A

Socket

	Size	.025" sq. x 1.35" Terminals		.045" sq. x 1.35" Terminals		.045" sq. x .85" Terminals	
		Commercial	30Au/Ni	Commercial	30Au/Ni	Commercial	30Au/Ni
.103 Hole	14	57-20140-WW1	57-20140-WW1A	57-20140-WW2	57-20140-WW2A	57-20140-WW3	57-20140-WW3A
	24	57-20240-WW1	57-20240-WW1A	57-20240-WW2	57-20240-WW2A	57-20240-WW3	57-20240-WW3A
	36	57-20360-WW1	57-20360-WW1A	57-20360-WW2	57-20360-WW2A	57-20360-WW3	57-20360-WW3A
	50	57-20500-WW1	57-20500-WW1A	57-20500-WW2	57-20500-WW2A	57-20500-WW3	57-20500-WW3A
Bail Latches, .116 Hole	14	57-20140-WW4	57-20140-WW4A	-	-	-	-
	24	57-20240-WW4	57-20240-WW4A	-	-	-	-
	36	57-20360-WW4	57-20360-WW4A	-	-	-	-
	50	57-20500-WW4	57-20500-WW4A	-	-	-	-

.085 in. (2.16mm) Density Miniature Ribbon

Wire Wrap
Metal Shell and All-Plastic

Cinch

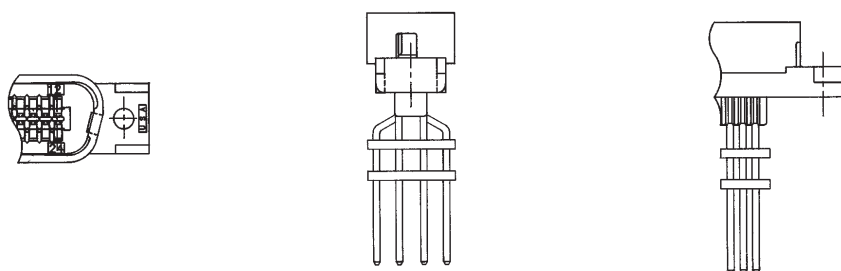
All-Plastic

- All-plastic Wire Wrap connectors are available with .025" sq. or .045" sq. x 1.35" (.56" wrap length) terminals.
- Available with .141" or .125" mounting holes as indicated, for #4 hardware.
- Includes InstaLatch passive latch feature for automatic latching.
Sockets also available without latches.

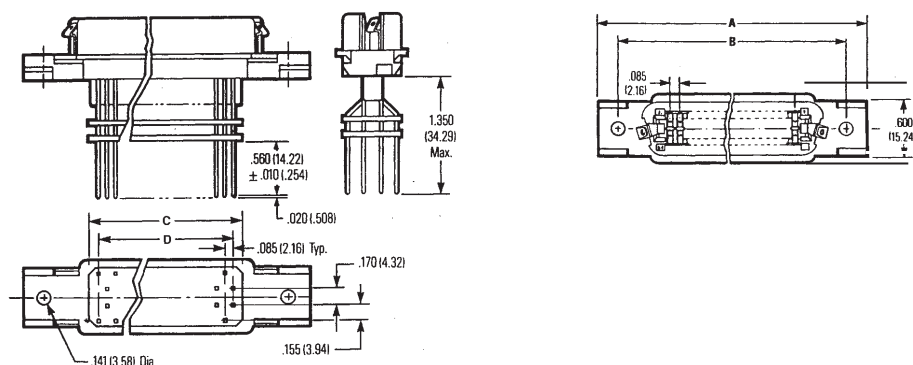
See pages 6-4 and 6-52 for recommended panel cutout dimensions.

See pages 6-51 thru 6-52 for accessories such as mounting screws and dust covers, which make the use of Cinch Miniature Ribbon connectors even more cost-effective in panel-mount applications.

Plug



All-Plastic Socket



Dimensions, All-Plastic

Size	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
14	1.745	44.32	1.417	35.99	0.710	18.03	0.510	12.95
24	2.170	55.12	1.842	46.79	1.135	28.83	0.935	23.75
36	2.680	68.07	2.352	59.74	1.645	41.78	1.445	36.70
50	3.275	83.19	2.947	74.85	2.240	56.90	2.040	51.82
64	3.875	98.43	3.542	89.97	2.835	72.01	2.635	66.93

**.085 in. (2.16mm)
Density
Miniature Ribbon**

Wire Wrap
Metal Shell and All-Plastic



Ordering Information, All-Plastic

Plug, InstaLatching

Mount	Size	.025" sq. x 1.35" Terminals		.045" sq. x 1.35" Terminals	
		Commercial	30Au/Ni	Commercial	30Au/Ni
.140 Hole	24	-	-	97-10240-WW2	97-10240-WW2A
	64	-	-	97-10640-WW2	97-10640-WW2A

Socket

	Mount	Size	.025" sq. x 1.35" Terminals		.045" sq. x 1.35" Terminals	
			Commercial	30Au/Ni	Commercial	30Au/Ni
No latches	.141 Hole	14	97-22140-WW5	97-22140-WW5A	97-22140-WW6	97-22140-WW6A
		24	97-22240-WW5	97-22240-WW5A	97-22240-WW6	97-22240-WW6A
		36	97-22360-WW5	97-22360-WW5A	97-22360-WW6	97-22360-WW6A
		50	97-22500-WW5	97-22500-WW5A	97-22500-WW6	97-22500-WW6A
	.159 Hole	64	97-22640-WW5	97-22640-WW5A	97-22640-WW6	97-22640-WW6A
InstaLatches	.141 Hole	14	97-22140-WW1	97-22140-WW1A	97-22140-WW2	97-22140-WW2A
		24	97-22240-WW1	97-22240-WW1A	97-22240-WW2	97-22240-WW2A
		36	97-22360-WW1	97-22360-WW1A	97-22360-WW2	97-22360-WW2A
		50	97-22500-WW1	97-22500-WW1A	97-22500-WW2	97-22500-WW2A
	.159 Hole	64	97-22640-WW1	97-22640-WW1A	97-22640-WW2	97-22640-WW2A