.085 in. (2.16mm) Density Miniature Ribbon



Features	 Low-pass (single EMI standard ca Saves space by Available as strat (nominal thicknes) All-plastic desig All plugs lock was Adapters available Available with the 	pacitance va incorporatin hight Solder ess through n reduces co ith InstaLato ple with Insta	alues of ng requir Tail plug .093") ai ost. ch passiv aLatches	50pF thro red filter f for solde nd as plug re latch fe s, with Ba	ough 1,200 unctions (er termina g/socket a ature for a il Latches	DpF. directly in tion to pr dapter, in automation , or with	nto foot _i rinted ci n 50-pos c latchii no latch	print of I/C ircuit boar sition size ng. nes on soc) connector. d ket side.
Materials	Insulator: Gray UL94V-0 r Contact: Copper alloy Contact Plating: 30µin.se standard Mounting Hardware Platin	elect gold over 5 I; tin-lead on sold	i0µin. selec	t nickel		1 a	4003		
ENVIRONMENTAL	 Operating Temperature: -50°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: 500VDC @ sea level Contact Rating: 3 Amps RF Current Rating: 0.3 Amps Leakage Current: 10mA maximum per contact when subjected to 1000 VAC test voltage, applied over 30 seconds and held for 60 seconds per FCC Part 68.5 Voltage Surge: Withstands 1,500V peak longitudinal voltage surge with 10µsec. risetime, 160µsec. decay Contact Resistance: 6 milliohms maximum, per EIA Std. RS364, TP6 5000 Megohms minimum Dissipation Factor: 5% maximum @ 25°C, 1kHz and 1 VAC RMS maximum					- A A A A			
	Insertion Loss: Capacitance			, ,	B, @ 25°C, @	,	/ I	,	
	@ 25°C, 1kHz, 1 VAC RMS m 50pF±15% 100pF±15% 220pF±15% 470pF±15% 820pF±15% 1,000pF±15%		- - - 3 3	DMHz 50M - - - 4 5 11 3 16 3 16 3 16	Hz 70MHz - - 7 14 20 20 20 20	100MHz 2 3 12 20 20 20 20 20	500MHz 14 14 14 14 14 14 14 14 14	1GHz 11 11 11 11 11 11 11 11	
MECHANICAL				g Force (mi					

Call Toll Free: 1 (800) 323-9612

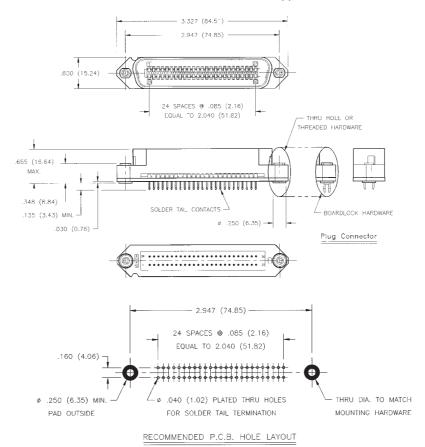


Filtered Vertical-Mount Solder Tail Plug

Vertical-mount Filtered Miniature Ribbon plugs provide filtered I/O directly from printed circuit boards, where the mating face of the connector is in a plane parallel to that of the board. Filtering keeps conducted EMI from passing between the system board and I/O cable.

The connector's filter must be grounded to the system at the mounting holes, via either top flange or through the lower standoff to a pad on the component side of the printed circuit board.

See page 6-51 for accessories such as dust covers and mounting screws that make the use of Cinch Filtered Miniature Ribbon connectors even more cost-effective in board-mount applications.



Ordering Information, Filtered Vertical-Mount Solder Tail Plug, 50 Position

	Capacitance	.144 Hole	#4-40 Hole	#6-32 Hole	M3 -0.5 Hole
Through or threader hole	50pF±15%	CF97-50PB-TH	CF97-50PB-4T	CF97-50PB-6T	CF97-50PB-3T
	100pF±15%	CF97-50PC-TH	CF97-50PC-4T	CF97-50PC-6T	CF97-50PC-3T
	220pF±15%	CF97-50PD-TH	CF97-50PD-4T	CF97-50PD-6T	CF97-50PD-3T
	470pF±15%	CF97-50PE-TH	CF97-50PE-4T	CF97-50PE-6T	CF97-50PE-3T
	820pF±15%	CF97-50PF-TH	CF97-50PF-4T	CF97-50PF-6T	CF97-50PF-3T
	1,000pF±15%	CF97-50PH-TH	CF97-50PH-4T	CF97-50PH-6T	CF97-50PH-3T
	1,200pF±15%	CF97-50PJ-TH	CF97-50PJ-4T	CF97-50PJ-6T	CF97-50PJ-3T
Threaded Boardlock	50pF±15%	-	CF97-50PB-4B	CF97-50PB-6B	CF97-50PB-3B
	100pF±15%	-	CF97-50PC-4B	CF97-50PC-6B	CF97-50PC-3B
	220pF±15%	-	CF97-50PD-4B	CF97-50PD-6B	CF97-50PD-3B
	470pF±15%	-	CF97-50PE-4B	CF97-50PE-6B	CF97-50PE-3B
	820pF±15%	-	CF97-50PF-4B	CF97-50PF-6B	CF97-50PF-3B
	1,000pF±15%	-	CF97-50PH-4B	CF97-50PH-6B	CF97-50PH-3B
	1,200pF±15%	-	CF97-50PJ-4B	CF97-50PJ-6B	CF97-50PJ-3B



Filtered Panel Mount Feedthrough Adapter

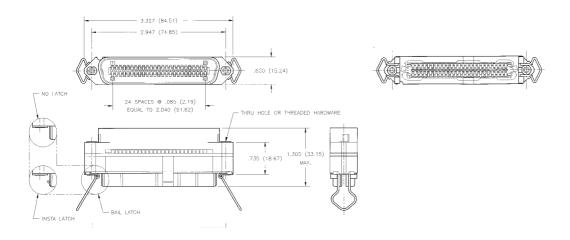
Filtered Ribbon Panel Mount Adapters provide filtered I/O in systems where internal cabling carries signals to the system panel.

By filtering right at the panel, EMI that could otherwise be generated over the length of the internal cable is prevented. The use of a plug/socket adapter also yields a benefit in serviceability. Should it ever be necessary to replace the filter, an adapter can be readily replaced without replacing a bulky, more expensive cable assembly.

The adapter must be grounded to the system panel through the mounting hardware, which extends to both plug and socket flanges; thus, the adapter may be mounted with either side to the panel.

Adapters are also available without filter capacitors. Often referred to as "connector savers", these devices are most useful as "throw away" intermediate interconnects in applications where numerous mating/unmating cycles are required.

See page 6-51 for accessories such as bent bail latches, dust covers, and mounting screws that make the use of Cinch Miniature Ribbon Filtered Adapters even more cost-effective in panel mount-applications.



Ordering Information, Filtered Adapter, 50 position

	Capacitance	#4-40 Hole	#6-32 Hole	M3 -0.5 Hole
	None (Connector Saver)	CF97-50AA-4T	CF97-50AA-6T	CF97-50AA-3T
Socket without latches	50pF±15%	CF97-50AB-4T	CF97-50AB-6T	CF97-50AB-3T
	100pF±15%	CF97-50AC-4T	CF97-50AC-6T	CF97-50AC-3T
	220pF±15%	CF97-50AD-4T	CF97-50AD-6T	CF97-50AD-3T
	470pF±15%	CF97-50AE-4T	CF97-50AE-6T	CF97-50AE-3T
	820pF±15%	CF97-50AF-4T	CF97-50AF-6T	CF97-50AF-3T
	1,000pF±15%	CF97-50AH-4T	CF97-50AH-6T	CF97-50AH-3T
	1,200pF±15%	CF97-50AJ-4T	CF97-50AJ-6T	CF97-50AJ-3T
Socket with InstaLatches	None (Connector Saver)	CF97-50AA-4TI	CF97-50AA-6TI	CF97-50AA-3TI
	50pF±15%	CF97-50AB-4TI	CF97-50AB-6TI	CF97-50AB-3TI
	100pF±15%	CF97-50AC-4TI	CF97-50AC-6TI	CF97-50AC-3TI
	220pF±15%	CF97-50AD-4TI	CF97-50AD-6TI	CF97-50AD-3TI
et w atch	470pF±15%	CF97-50AE-4TI	CF97-50AE-6TI	CF97-50AE-3TI
ta L	820pF±15%	CF97-50AF-4TI	CF97-50AF-6TI	CF97-50AF-3TI
Sc Ins	1,000pF±15%	CF97-50AH-4TI	CF97-50AH-6TI	CF97-50AH-3TI
	1,200pF±15%	CF97-50AJ-4TI	CF97-50AJ-6TI	CF97-50AJ-3TI
Socket with Bail latches	None (Connector Saver)	CF97-50AA-4TB	CF97-50AA-6TB	CF97-50AA-3TB
	50pF±15%	CF97-50AB-4TB	CF97-50AB-6TB	CF97-50AB-3TB
	100pF±15%	CF97-50AC-4TB	CF97-50AC-6TB	CF97-50AC-3TB
	220pF±15%	CF97-50AD-4TB	CF97-50AD-6TB	CF97-50AD-3TB
	470pF±15%	CF97-50AE-4TB	CF97-50AE-6TB	CF97-50AE-3TB
	820pF±15%	CF97-50AF-4TB	CF97-50AF-6TB	CF97-50AF-3TB
	1,000pF±15%	CF97-50AH-4TB	CF97-50AH-6TB	CF97-50AH-3TB
	1,200pF±15%	CF97-50AJ-4TB	CF97-50AJ-6TB	CF97-50AJ-3TB