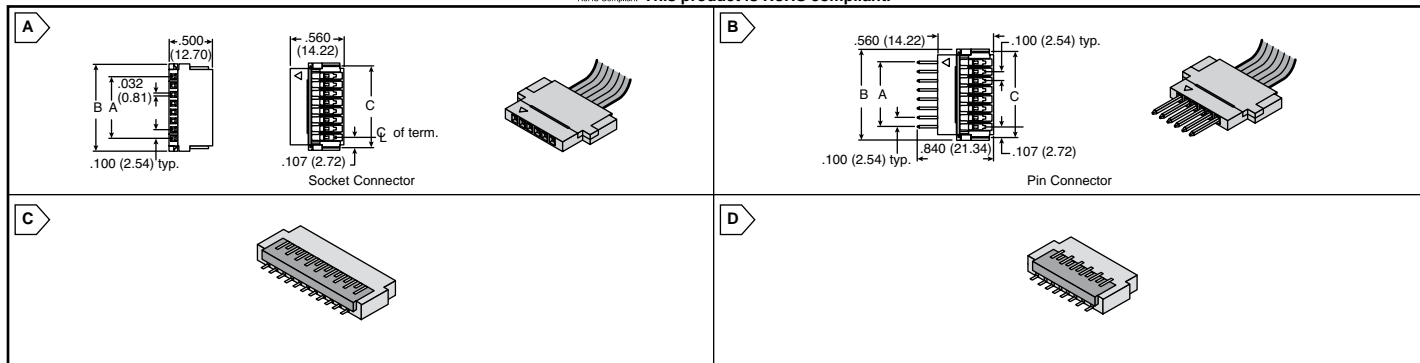


# FCI Clincher™ and FFC Connectors

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: in. (mm)

## CLINCHER™ FLAT CABLE CONNECTORS

Single row, high performance .100" (2.54mm) connector system

### Features

- Clinching portion of contact forms gas tight crimp to prevent contamination
- Cable connectors are mass terminated without cable stripping
- Terminates flat flexible cable or flexible etched circuitry for wire-to-board or board to board applications
- .30" standoffs aid in PCB cleaning
- Mates with .025" (.635mm) square or round pins on .100" (2.54mm) centers
- Dual metal PV receptacle contacts provide excellent electrical and mechanical performance
- RoHS Compliant per FCI Documentation

### Specifications:

- Receptacle housing: polypropylene (UL94V-0)
- Header housing: LCP (UL94V-0)
- Color: Receptacle: blue; Header: black
- Temperature range: Receptacle: -65°C to +105°C; Header: -55°C to +130°C
- Header pins: phosphor-bronze
- Insulation resistance: 5MΩ
- Contact resistance (receptacle): 15MΩ max
- Receptacle contact: copper alloy with BeCu Spring
- Current rating (receptacle): 2.0 amps
- Withstanding voltage: 1,000VAC rms
- Pitch: .060"



RoHS Compliant

### Receptacles

\*Applied to Thin Film Conductive Ink Circuits

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	100
649-65801-002LF	65801-002LF	A	2	100 μ" Tin	0.100 (2.54)	0.390 (9.91)	0.315 (8.00)				
649-65801-003LF	65801-003LF	A	3	100 μ" Tin	0.200 (5.08)	0.490 (12.45)	0.415 (10.54)				
649-65801-004LF	65801-004LF	A	4	100 μ" Tin	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)				
649-65801-005LF	65801-005LF	A	5	100 μ" Tin	0.400 (10.16)	0.690 (17.53)	0.515 (15.62)				
649-65801-006LF	65801-006LF	A	6	100 μ" Tin	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)				
649-65801-007LF	65801-007LF	A	7	100 μ" Tin	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)				
*649-65801-107LF	65801-107LF	A	7	100 μ" Tin	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)				
649-65801-008LF	65801-008LF	A	8	100 μ" Tin	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)				
649-65801-037LF	65801-037LF	A	8	30 μ" Tin	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)				
649-65801-009LF	65801-009LF	A	9	100 μ" Tin	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)				
649-65801-010LF	65801-010LF	A	10	100 μ" Tin	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)				
649-65801-011LF	65801-011LF	A	11	100 μ" Tin	1.000 (25.40)	1.290 (32.77)	1.215 (30.86)				
649-65801-012LF	65801-012LF	A	12	100 μ" Tin	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)				
649-65801-014LF	65801-014LF	A	14	100 μ" Tin	1.300 (33.02)	1.590 (40.39)	1.515 (38.48)				
649-65801-015LF	65801-015LF	A	15	100 μ" Tin	1.400 (35.56)	1.690 (42.93)	1.615 (41.02)				
649-65801-016LF	65801-016LF	A	16	100 μ" Tin	1.500 (38.10)	1.790 (45.47)	1.715 (43.56)				
649-65801-020LF	65801-020LF	A	20	100 μ" Tin	1.900 (48.26)	2.190 (55.63)	2.115 (53.72)				

### Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	100
649-66226-004LF	66226-004LF	B	4	100 μ" Tin	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)				
649-66226-005LF	66226-005LF	B	5	100 μ" Tin	0.400 (10.16)	0.690 (17.53)	0.615 (15.62)				
649-66226-006LF	66226-006LF	B	6	100 μ" Tin	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)				
649-66226-008LF	66226-008LF	B	8	100 μ" Tin	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)				
649-66226-010LF	66226-010LF	B	10	100 μ" Tin	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)				
649-66226-012LF	66226-012LF	B	12	100 μ" Tin	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)				
649-66226-013LF	66226-013LF	B	13	100 μ" Tin	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)				

## FFC CONNECTORS - .30MM

By offering options for ZIF or LIF actuation, SMT or through-hole PCB termination, and vertical or right-angle flex insertion, FCI has a solution to fit almost any application. FCI is a technology leader with its gas tight high pressure and patented Clincher contact technology and has also pioneered the development of the fine pitch and low profile connectors for applications where space is premium.



RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Height (mm)	Contact Location	Type	Orientation	Price Each			
								1	25	50	100
649-13057-251200ELF	10013057-251200ELF	C	25	1.2	Lower	Non-ZIF	Right Angle				
649-17251-112240ELF	10017251-112240ELF	D	11	1.2	Upper	Non-ZIF	Right Angle				
649-17251-232240ELF	10017251-232240ELF	D	23	1.2	Upper	Non-ZIF	Right Angle				
649-17251-252240ELF	10017251-252240ELF	D	25	1.2	Upper	Non-ZIF	Right Angle				
649-17251-312240ELF	10017251-312240ELF	D	31	1.2	Upper	Non-ZIF	Right Angle				
649-17251-392240ELF	10017251-392240ELF	D	39	1.2	Upper	Non-ZIF	Right Angle				
649-17251-452240ELF	10017251-452240ELF	D	45	1.2	Upper	Non-ZIF	Right Angle				