

LFH™ Matrix 50 and 75 **Shielded I/O Connector Systems**

The Low Force Helix (LFH) contact was designed for high-pin-count signal applications where there is a need for reliability and performance. Designed for both cable-to-board and board-to-board applications, the system's low insertion forces make it ideal for situations where multiple signal lines need to be terminated or packaged in a limited space.

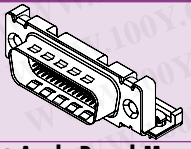
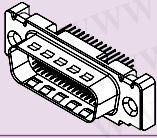
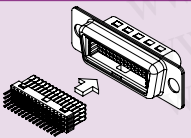
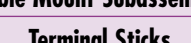
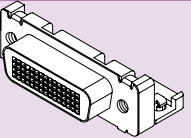
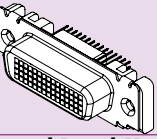
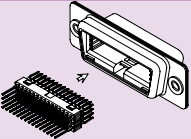
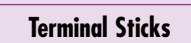
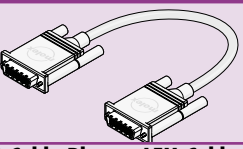
The patented "helix" plug pin interfaces with a split-beam receptacle contact giving a low insertion force with two-point contact reliability.

Circuit sizes range from 60 to 200 circuits in the Matrix 50 system and 96 and 130 circuits in the Matrix 75 system. Both systems feature I/O shielding and support vertical and right angle board mounting.

- Matrix 50 contact layout is four rows on 1.27 by 1.27mm (.050 by .050") spacing
- Matrix 75 layout is five contact rows on 1.90 by 1.90mm (.075 by .075") spacing

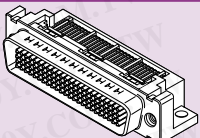
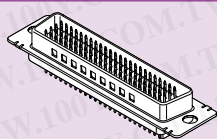

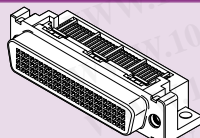
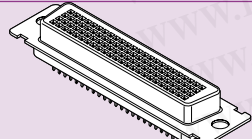

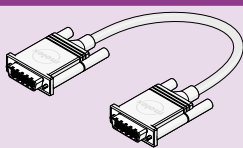
- Redundant contact points for long-term reliability
- High cycle life via controlled plating and contact surfaces
- Good electrical performance for high-speed applications
- Cable assemblies available directly through Molex approved assemblers
- Application tooling available for terminating and assembling cable mount components

LFH Matrix 50, 1.27mm (.050") Pitch

		Series No.			
Circuits		60	80	160	200
Plug					
	Right Angle Board Mount	70929	—	71624	—
	Vertical Board Mount	70929	71475	71624	—
	Cable Mount Subassembly	70929	71720	71624	71719
	Terminal Sticks	70984	71477	70984	71715
Receptacle					
	Right Angle Board Mount	70928	—	71626	71718
	Vertical Board Mount	70928	71478	71626	—
	Cable Mount Subassembly	71691	—	—	—
	Terminal Sticks	70985	—	—	—
Cable Assembly					
	LFH Cable Plug to LFH Cable Plug	79980			

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 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

LFH Matrix 75, 1.90mm (.075") Pitch

		Series No.	
Circuits		96	130
Plug			
		70665	71995
Right Angle Board Mount			
		70665	71995
Vertical Board Mount			
		70665	71995
Cable Mount Subassembly			
Terminal Sticks		71989	71989
Receptacle			
		70660	71990
Right Angle Board Mount			
		70660	71990
Vertical			
		70660	71990
Cable Mount Subassembly			
Terminal Sticks		71988	71988
Cable Assembly			
		79981	
LFH Cable Plug to LFH Cable Plug			