



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Datasheet for 76650-0190

General Information

Part Number:	76650-0190
Manufacturer:	Molex / Waldom
Title:	HandyLink Connector Kit
Description:	Craddle Connector, SMT Right Angle Receptacle, Wire and PCB Termination Plug, IP-54 Rating
Product Family:	HandyLink™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL, CSA and TUV
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration: (Wire-to-Board) and (Board-to-Board)

Pitch: 0.80mm (.031")

Connector Type: Receptacle and Plug

Mounting

Orientation: Vertical (plugs) / Right Angle (receptacle)

Circuit Sizes: 16

Current Rating: 1.5 Amps

Voltage: 30 Volts

Product Highlights

The new USB 2.0 compatible, 0.8mm (.031") pitch HandyLink™ product family of connectors, cable assemblies and accessories from Molex offers a perfect solution to any handheld device design or application. Whether you are looking for a wire-to-board solution or a board-to-board docking solution for your hand held device the HandyLink connector interface is the perfect choice. The innovative compression-style contact design provides long-term performance and reliability. The patented integrated-latch design provides ESD protection and mechanical integrity.

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- 20,000 Mating Cycles Durability
 - Polarization feature and passive latching mechanism ensure proper mating
 - Insert Molded Design, supports IP-54
 - Data rates compatible with USB 2.0 and IEEE 1394-1995 speeds, rated 622 Mbs
 - First-mate/last-break 1 and 16 provide grounding protection during hot plugging
 - Robust design offered in both perpendicular and parallel mounting to the PCB for design flexibility in docking applications
 - Lead-Free
- All Mobile or Hand Held Devices: Hand Held Consumer Devices, Hand Held Retail Scanners and Bar Code Readers, Portable Music Equipment, Mobile Computing, Navigation and GPS Equipment, Hand Held Printers, Hand Held Medical Equipment and Self-Diagnostic Equipment, Consumer Payment and transaction Terminals, Automotive Diagnostic Equipment, Rugged Hand Held Computers, PDA's and Accessories, Cellular Telephones, Security/Law Enforcement Equipment

Bill of Materials for Part No. 76650-0190

Molex Part No.	Country of Origin	Description	Quantity in Kit
44828-1162	USA	0.80mm (.031") Pitch HandyLink™ Right Angle SMT Receptacle	3
45339-1600	USA	0.80mm (.031") Pitch HandyLink™ Plug for Wire Termination, 16 Circuit	1
45593-1600	USA	0.80mm (.031") Pitch HandyLink™ Plug for PCB Termination, 16 Circuit	2
45560-0160	Mexico	0.80mm (.031") Pitch HandyLink™ Cradle Connector Perpendicular SMT Plug	1
45560-0161	USA	0.80mm (.031") Pitch HandyLink™ Cradle Connector Parallel SMT Plug	1

No Recommended Molex Tool for Part No. 76650-0190