

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.

Features and Benefits

Applications

[For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com](http://www.molexkits.com)

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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

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