

## Datasheet for 76650-0190

### General Information

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