1801 Morgan Street
Rockford, Illinois 61102
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www.molexkits.com

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the connector kit specialist

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

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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 perpen -dicular 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