

Datasheet for 76650-0190

General Information

Kit Part Number:	76650-0190
Connector Type:	I/O
Solution:	I/O Connectors
Molex Family:	HandyLink®
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	16
Current Rating:	1.5A
Mounting Style:	Cable Mount, PCB Through Hole, SMT (Surface Mount Technology)
Orientation:	Right Angle Receptacles, Vertical Plugs
Pitch:	0.80mm (.031")
Speed:	622 Mbps
Voltage Rating:	30V

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

- 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

Applications

- 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, PDAs and Accessories, Cellular Telephones, Security/Law Enforcement Equipment • Military

<http://www.molexkits.com>

Bill of Materials

Molex Part No.	Description	Quantity
44828-1162	0.80mm (.031") Pitch HandyLink® Right Angle SMT Receptacle	3
45339-1600	0.80mm (.031") Pitch HandyLink® Plug for Wire Termination, 16 Circuits	1
45593-1600	0.80mm (.031") Pitch HandyLink® Plug for PCB Termination, 16 Circuits	2
45560-0160	0.80mm (.031") Pitch HandyLink® Cradle Connector Perpendicular SMT Plug	1
45560-0161	0.80mm (.031") Pitch HandyLink® Cradle Connector Parallel SMT Plug	1

Recommended Molex Tool

Molex Part No.	Description
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