



General Information

Kit Part Number:	76650-0249
Description:	Molex Quixon™ LIF (Low Insertion Forces) Quick-Disconnect and Male PCB Tab Terminal Kit
Application:	Automotive, Consumer Products, HVAC Equipment, Industrial Equipment
Connector Family:	Solderless Terminals
Solution:	Blind-Mate Connectors, Maintenance, Repair and Operation Connectors
Connector Type:	Solderless Terminals
Number of Pieces:	35
RoHS:	Yes

Specifications

Circuit Size(s):	None
Current Rating:	7A (22-18 AWG), 15A (16-14 AWG), 24A (12-10 AWG)
Flammability Rating:	UL94V-2
Insulation:	Nylon Fully Insulated
Mounting Style:	Non-Mounted
Orientation:	Solderless Terminals
Product/Type:	.250" Tab Quick Disconnects
Stud/Tab Size:	.250" (6.35mm)
Tool Included:	No
Voltage Rating:	300V
Wire Gauge (AWG):	12-10, 16-14 , 22-18

Product Highlights

Quixon™ quick-disconnect terminals expand Molex's existing AviKrimp™, InsulKrimp™ and Krimptite™ product lines. These quick-disconnect terminals offer lower insertion force and greater blind-mate capability versus standard AviKrimp, InsulKrimp and Krimptite terminals. Quixon quick-disconnect terminals are available in loose piece or on continuous plastic strip and Mylar tape for semi- or fully- automatic termination. Quixon quick-disconnect terminals meet UL requirements when used with Molex recommended tooling; however, terminals may be crimped with a variety of industry-standard tooling. Quixon quick-disconnect terminals mate to industry-standard tabs offered by Molex.

Features and Benefits

- Side-relief cut design makes blind mating easy by accommodating a slight angle during mating.
- Flexing beam with standard dimple for Low Insertion Force, to mate easily with UL-compliant male tabs while maintaining a high retention force.
- Flared-barrel entry for easy wire insertion, Captures all the wire strands and funnels them into the crimp barrel.
- Standard on AviKrimp™ terminals with a Brass sleeve on the barrel, Provides strain relief and meets the double-crimp VDE, IEC and DIN requirement with a metal ferrule that crimps onto the wire insulation.
- Un-insulated and partially insulated versions are also available, Provides customers a choice for their applications and safety requirements.
- Terminals mate to industry-standard tabs, 6.35 by 0.81mm (.250 by .032"), Enables universal use in numerous applications.

Applications

- Industrial Markets: PCB Connections, Switches, Terminal Blocks
- Automotive Aftermarket: Gauges, Modules
- Consumer Industry - White Goods, Brown Goods
- HVAC: Relays, Capacitors, Contactors





Bill of Materials

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
19277-0002	10	Quixon™ .250" x .032" Female Fully Insulated Nylon Qui...	Datasheet	Details	Search
19277-0005	10	Quixon™ .250" x .032" Female Fully Insulated Nylon Qui...	Datasheet	Details	Search
19277-0008	10	Quixon™ .250" x .032" Female Fully Insulated Nylon Qui...	Datasheet	Details	Search
19705-4201	5	PCB Tab Quick Disconnect, Male, Box, Tab 6.35 x 0.81mm H =	Datasheet	Details	Search

Recommended Tool

Part No.	Included in Kit
64001-0200	No
64001-0800	No
64001-1100	No







molex

Part No.
76650-0249

Solderless Terminals

LIF Quick-Disconnect Terminals Kit

Molex Quixon™ Family

- LIF (Low Insertion Forces)
- Side-Relief Cut Design
- 22-18, 16-14 and 12-10 AWG
- 300 Volts, UL94V-2
- Additional kits available at www.molexkits.com



35
pieces

Photo for reference only.

Kits Designed and Assembled by
Waldom
ELECTRONICS

