

Datasheet for 76650-0144

General Information

Kit Part Number:	76650-0144
Connector Type:	Wire-to-Wire
Solution:	Sealed Connectors
Molex Family:	XRC™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	14
Current Rating:	10 A (18AWG), 13 A (16-14AWG)
Mounting Style:	Non-Mounted
Orientation:	Plugs, Receptacles
Tool Included:	No
Voltage Rating:	300V
Wire Gauge (AWG):	18-14, 18-16

Product Highlights

The XRC™ 14-circuit, circular connector was developed to meet the demanding requirements of the heavy-equipment industry. For maximum design flexibility, the XRC™ plugs and receptacles are available in standard and reverse gender. The connectors can be used for in-line or panel-mount applications. Plugs feature a quick-disconnect bayonet latch to provide quick and easy connections with reduced installation and service time while ensuring accurate mating depth. Designed to meet IP67 standards, XRC™ plugs and receptacles protect against the ingress of dust, water and other contaminants to maintain the integrity of the mated pair.

Features and Benefits

- Environmentally sealed to IP67 standard
- Standard and reverse terminal genders, allows for custom polarization
- Tactile and audible mating feedback, facilitates reliable mating
- Bayonet-style latch, provides quick and easy connections for reduced installation and service time
- Simple crimp-and-poke technology, does not require terminal alignment when installing crimped wires

Applications

- Marine: Boats and propulsion systems
- Agriculture Equipment, Combines, Tractors
- Transportation: Tractor trailers, Buses, Fire Trucks
- Recreational Vehicles
- Construction Equipment: Fork lifts, Loaders, Cranes • Military

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Bill of Materials

Molex Part No.	Description	Quantity
84501-0001	XRC™ Sealed Plug with Pin Insert, Shell Size 18, 14 Circuits, Blue Ring	1
84507-0012	XRC™ Sealed Plug with Socket Insert, Shell Size 18, 14 Circuits, Blue Ring	1
84502-0004	XRC™ Panel Mount Hex Nut for Shell Size 18 Receptacle	1
84502-0008	XRC™ Sealed Receptacle with Pin Insert, Shell Size 18, 14 Circuits, Blue Ring	1
84590-0020	XRC™ 3.56mm (.140") Crimp Terminal, Pin, 18-16 AWG	10
84590-0021	XRC™ 5.77mm (.227") Crimp Terminal, Pin, 18-14 AWG	10
84590-0022	XRC™ 4.64mm (.183") Crimp Terminal, Pin, 18-14 AWG	25
84590-0023	4.64mm (.183") Hooded Crimp Terminal, Socket, 18-14 AWG	25
84590-0024	5.77mm (.227") Hooded Crimp Terminal, Socket, 18-14 AWG	10
84590-0025	3.56mm (.140") Hooded Crimp Terminal, Socket, 18-16 AWG	10
84508-0001	XRC™ Sealed Receptacle with Socket Insert, Shell Size 18, 14 Circuits, Blue Ring	1
84509-0002	Sealing Key Plug, Contact Sizes 12 and 16	5

Recommended Molex Tool

Molex Part No.	Description
63811-5500 (not included in kit)	Click for more info
63813-1900 (not included in kit)	Click for more info