

## Datasheet for 76650-0144

### General Information

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

### Specifications

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

<http://www.molexkits.com>

## 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)	<a href="#">Click for more info</a>
63813-1900 (not included in kit)	<a href="#">Click for more info</a>