

Datasheet for 76650-0177

General Information

Kit Part Number:	76650-0177
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	C-Grid III™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	2, 3, 4, 5, 6, 8
Current Rating:	3A
Mounting Style:	PCB Through Hole
Orientation:	Receptacles, Vertical Headers
Pitch:	2.54mm (.100")
Tool Included:	Yes
Voltage Rating:	350V
Wire Gauge (AWG):	24-22

Product Highlights

The 3rd generation C-Grid III™ 2.54mm (.100") pitch post and receptacle interconnection system offers complete design flexibility and modular components that provide the widest range of electronic packaging alternatives. C-Grid III™ is a highly-versatile 2.54mm interconnection system offering unique design features: Surface Treatment (platings), Flexibility, Advantage by Design (same mating concept with all termination techniques), Interchangeability (fully compatible with the industry standard DIN41651 as well as the French norm HE-13/14), and Lower Applied Cost.

Features and Benefits

- Easy breakaway to smaller sizes
- High pin retention
- Polarized housings
- High mechanical stability after soldering
- Fully enclosed contact box
- Friction Lock housings
- Contact and plating orientation according to DIN 41651
- North/south contact orientation avoids overstress

Applications

- Automotive: Air bag sensors, Steering controls, Sound systems
- Computers and Servers
- Business Machines: Copiers, Printers, Fax machines
- Measuring Analyzing Equipment
- Large Industrial Equipment
- Medical Instrumentation: Surgical, Dental, Laboratory Devices

Bill of Materials

Molex Part No.	Description	Quantity
90119-2109	C-Grid III™ Female Crimp Terminal, 24-22 AWG	50
90156-0142	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 2 Circuits	5
90156-0143	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 3 Circuits	5
90156-0144	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 4 Circuits	4
90156-0145	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 5 Circuits	4
90156-0146	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 6 Circuits	3
90156-0148	2.54mm (.100") Pitch C-Grid III™ Receptacle Single Row, 8 Circuits	3
90120-0122	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 2 Circuits	5
90120-0123	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 3 Circuits	5
90120-0124	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 4 Circuits	4
90120-0125	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 5 Circuits	4
90120-0126	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 6 Circuits	3
69008-0140	C-Grid Insertion Tool	1
90120-0128	2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 8 Circuits	3

Recommended Molex Tool

Molex Part No.	Description
69008-0003 (not included in kit)	Click for more info
63819-0200 (not included in kit)	Click for more info