

Custom Headers

Overview E-2

Dual Row E-3

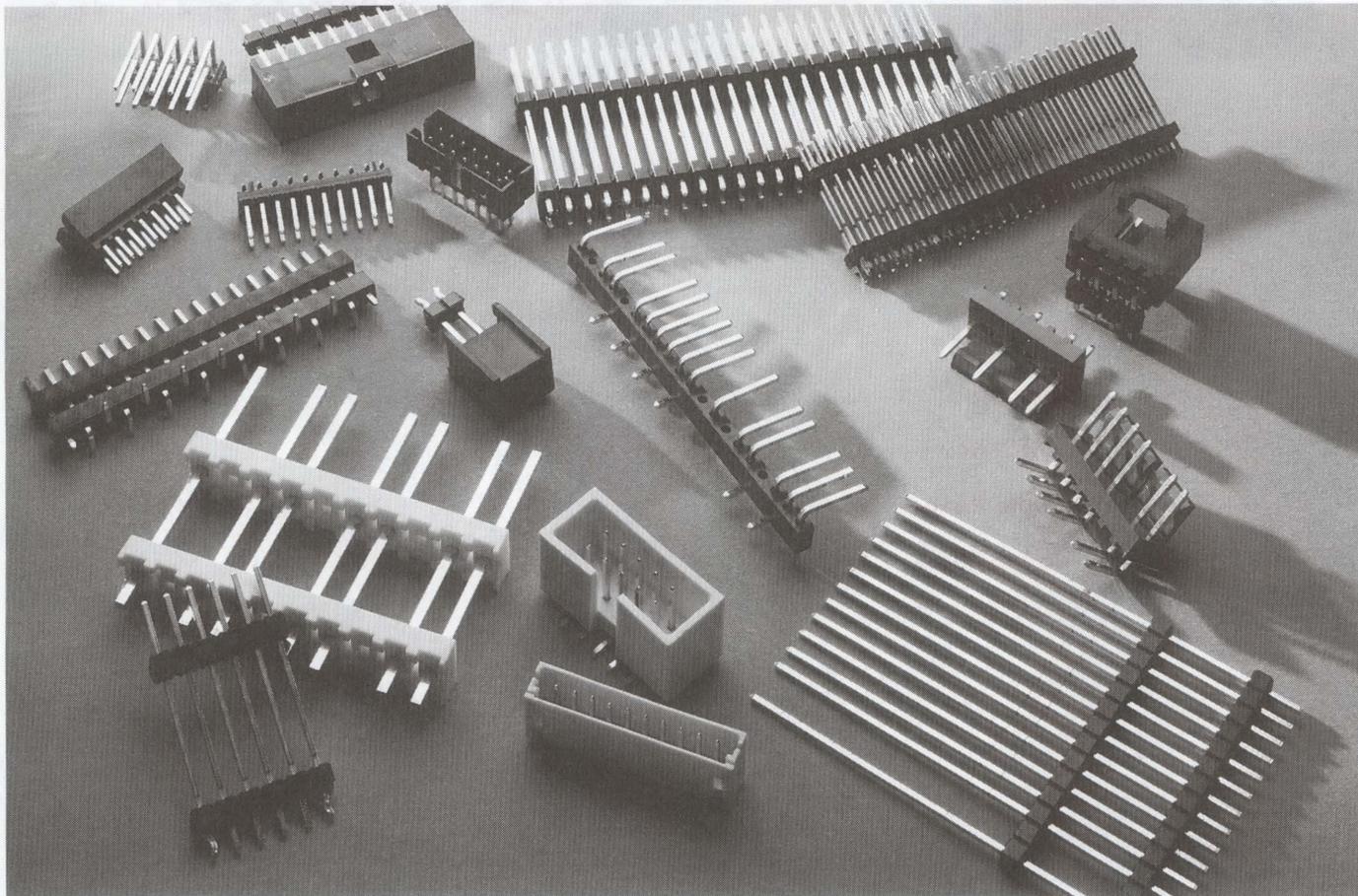
Single Row E-4

Quote Request Form E-5

Capabilities E-6



For more information, please see the last page of the catalog for the location nearest you or contact:



Custom Headers from Molex—A Total Header Solution

For years, you've come to rely on Molex to provide quality KK[®], C-Grid[®] and Milli-Grid[™] header products for all of your production requirements. With our new Custom Header program, Molex is positioned to be your source for both your high volume and small volume / prototype needs. We now provide a total header solution!

Our Custom Header program has been developed to provide you with a source for customized KK, C-Grid and Milli-Grid header products and options not found in the Molex catalog. When your application calls for a longer pin, a voided circuit, an extra body, etc., you can call Molex.

Create Your Own Headers —Custom Header Web Site

Molex has developed a web site that allows you to design a custom header on line, in minutes. Molex's custom header web site features unique functionality not found on any other site. The web site allows the user to select from a wide range of pin lengths, plating options and void locations. You can also order samples and select where you would like the samples to be shipped. When you have completed designing your custom header, the web site will provide you with a customized drawing, a price quote on line, and allow you to save your design in a dedicated portfolio. You can also request that the drawing be e-mailed directly to you within minutes. You can visit our web site at www.molex.com/customheader.

Custom Header "Why Wait?" Service

When you are in need of a custom header, you want information fast. We have made it very easy to contact us — via the Custom Header web site, by phone at 1-800-78MOLEX, extension 2887 or by fax at 630-428-2999. We will respond with prices and samples, if required, at no charge.

So contact us to see how this new service can help provide all the headers you need, from lower prototype quantities to higher volume production quantities. Molex Custom Headers ... a total header solution from the connector company you already know and trust.

www.molex.com/customheader

FEATURES AND SPECIFICATIONS



2.00mm (.079") Pitch Dual Row Milli-Grid™

Features and Benefits

- Sizes 4 to 50 circuits
- Available with or without pegs
- Surface mount compatible

Reference Information

Mates with: 51110, 79107, 79108, 79109, 87263, 87264, 87340, 87365, 87380 and 87381

Designed In: Inches

Electrical

Voltage: 125V
Current: 2.0A
Dielectric Withstanding Voltage: 500V
Insulation Resistance: 1,000 MΩ min.

Physical

Housing: High-temperature 4/6 nylon, UL 94V-0
Contact: 0.50mm (.020") square Phosphor Bronze
Plating: 15μ" select Gold
Operating Temperature: -55 to +105°C

	Single Body Options	Series		Dual Body Options	Series
	Vertical Through Hole	68328		Vertical Through Hole	68332
	Vertical SMT	68329		Vertical SMT	68333
	Vertical SMT with Pegs	68365		Vertical SMT with Pegs	68366

Pin overall length options: 6.48mm (.255") minimum to 38.10mm (1.500") maximum

Custom Headers

E

Features and Benefits

- Sizes 4 to 80 circuits for through hole
- Sizes 4 to 40 circuits for SMT
- Side-to-side and end-to-end stackable
- Available with and without pegs

Reference Information

Mates with: 7859 Shunts, C-Grid Receptacles, MX-50™ Connectors, SL™ Crimp and IDT Housings

Designed In: Inches

Electrical

Voltage: 250V
Current: 3.0A
Dielectric Withstanding Voltage: 600V
Insulation Resistance: 1000 MΩ min.

Physical

Through Hole Housing: Black glass-filled polyester, UL 94V-0
SMT Housing: High temperature thermoplastic, UL 94V-0
Contact: 0.64mm (.025") square Phosphor Bronze
Plating: Tin, 15μ" select Gold or 30μ" select Gold
Operating Temperature: -40 to +105°C

2.54mm (.100") Pitch Dual Row C-Grid®

	Single Body Options	Series		Dual Body Options	Series
	Vertical Through Hole	68308		Vertical Through Hole	68312
	Vertical SMT	68309		Vertical SMT	68313
	Vertical SMT with Pegs	68369		Vertical SMT with Pegs	68322

Pin overall length options: 11.56mm (.455") minimum to 36.32mm (1.430") maximum

www.molex.com/customheader

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 36 circuits

Reference Information

Mates with: 2695, 4455, 6471, 7720, 7859, 7880, 40555, 40556, 70066A, 70430, 90147 and 90148

Designed In: Inches

Electrical

Voltage: 250V
Current: 4.0A
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 50,000 M Ω min.

Physical

Housing: Black glass-filled nylon, UL 94V-0
Contact: .64mm (.025") square Phosphor Bronze
Plating: Tin, 15 μ " select Gold or 30 μ " select Gold
Operating Temperature: -40 to +75°C

molex® 2.54mm (.100") Pitch Single Row KK®

Custom Headers

	Single Body Options	Series
	Vertical Through Hole	68300
	Vertical SMT	68301
	Vertical SMT with Through Hole Pins	68370
	Right Angle Through Hole	68302
	Vertical Friction Lock Through Hole	68352
	Right Angle Friction Lock Through Hole	68353

Pin overall length option: 11.56mm (.455") minimum to 36.32mm (1.430") maximum

	Dual Body Options	Series
	Vertical Through Hole	68304
	Vertical SMT	68305
	Vertical SMT with Through Hole Pins	68372

Features and Benefits

- Sizes 2 to 24 circuits

Reference Information

Mates with: 2139, 2145, 3069, 3215, 7674, 7675, 41695 and 41815

Designed in: Inches

Electrical

Voltage: 250V
Current: 7.0A
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 50,000 M Ω min.

Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: 1.14mm (.045") square Brass
Plating: Tin, or 15 μ " select Gold
Operating Temperature: -40 to +75°C

3.96mm (.156") Pitch Single Row KK®

	Single Body Option	Series
	Vertical Through Hole	68340
	Vertical Friction Lock Through Hole	68354
	Right Angle Through Hole	68342
	Right Angle Friction Lock Through Hole	68355

Pin overall length options: 16.94mm (.667") minimum to 38.10mm (1.500") maximum

	Dual Body Options	Series
	Vertical Through Hole	68344

www.molex.com/customheader

This information must be filled out completely.

E-mail to: customheader@molex.com or call in the U.S. 1-800-78MOLEX, outside of the U.S. 630-548-2887 or fax 630-428-2999

CUSTOMER INFORMATION

Company Name: _____
 Contact Name: _____
 Address: _____
 City/State/Postal Code: _____ Country: _____
 Fax: _____ Phone: _____ E-mail Address: _____

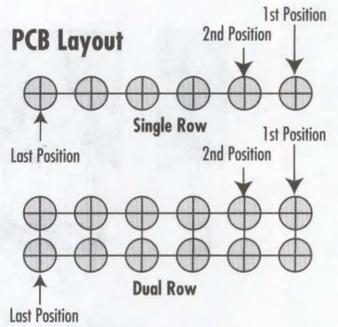
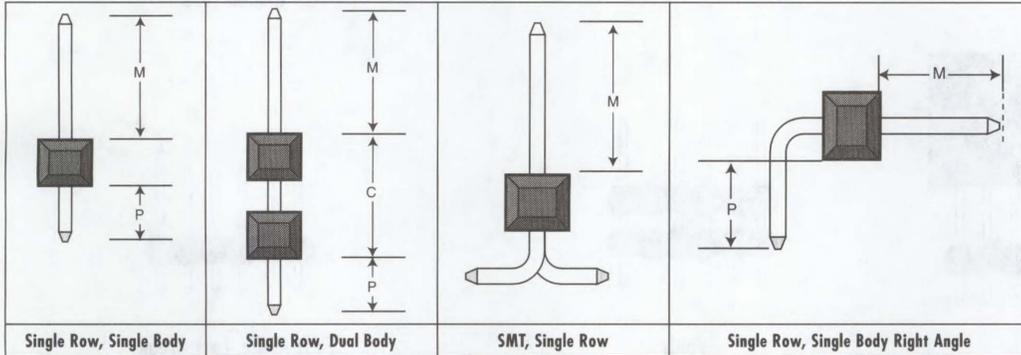
Pitch: (Please circle your selection)

- 2.00mm (.079") Dual Row 2.54mm (.100") Single Row
- 3.96mm (.156") Single Row 2.54mm (.100") Dual Row

Custom Header Series: _____

PRODUCT INFORMATION

Dimension Key:



No. of Circuits: _____
 Mating Length (M): _____
 PC Tail (P): _____
 Second Wafer Height (C): _____
 Right Angle Bend (D): _____

Voids: _____
 (Specify Voids counting from right to left)
 Kinks: _____ Yes _____ No
 Reference Molex Engineering Series: _____

Plating Requirements:

Tin plating: (200μ"): _____
 Gold Plating: (15μ" or 30μ" on mating end is standard): _____

PROGRAM INFORMATION

EAU: (Required for length of program): _____ Preliminary Drawings required: _____ Yes _____ No
 Year 1: _____ Year 2: _____ Year 3: _____ Samples required: _____ Quantity*: _____
 Target Price: _____ Year 1: _____ Year 2: _____ Year 3: _____ Date Needed: _____
 Length of Program: _____ Application: _____ Packaging: _____

*Sample orders over 5 pieces will incur a charge. Minimum production order is 1000 pieces.

Quote, Samples and Drawings Send To:

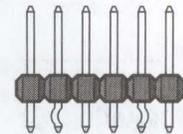
Company Name: _____ Attention: _____
 Address: _____
 City/State/Postal Code: _____ Country: _____
 Phone No.: _____ FedEx No.: _____

Some of the custom header capabilities now available from Molex:

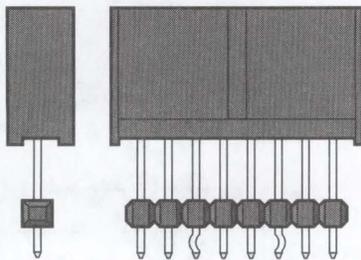
- **SMT**—Molex can provide Milli-Grid™, C-Grid® and KK® headers in high temperature materials with SMT leads for SMT applications.
- **Pin Lengths**—Molex offers a variety of pin lengths for every application, including first-make, last-break.
- **Kinked Tails**—For additional board retention prior to final soldering, Molex can provide kinked tails.
- **Voided Circuits**—Molex offers circuit voiding to meet specific header orientation and polarization requirements.
- **Shrouded Headers**—Molex can provide customized Milli-Grid and C-Grid shrouded headers.
- **Dual Body Headers**—Ideal for board stacking applications, Molex can supply dual body header options. We also provide shrouded headers for board stacking applications.
- **Packaging Options**—Molex can package your custom headers in economic bulk packaging, tape and reel packaging with pick and place caps for SMT applications, and tubes or trays for increased automation and to reduce handling costs.



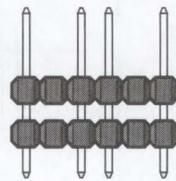
Shrouded



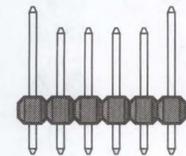
Kinked Tails



Shrouded Dual Body



Voids



First-Make, Last-Break