

molex® **3.50mm (.138") Pitch**
Beau® Eurostyle®
35 Series
Pluggable Terminal Blocks

3.50mm (.138") Pluggable Terminal Blocks for Higher Density Applications

3.50mm (.138") terminal blocks have gained wide spread market acceptance and continue to grow in popularity as the terminal block of choice as more and more high density I/O applications are released. The compact size makes it the perfect choice for low-level signal, I/O daughter cards and also where PCB real estate is limited.

Features and Benefits

- 30% density advantage over traditional 5.00mm (.197") terminal blocks
- Headers have been designed to withstand surface mount re-flow soldering processes, eliminating the need for secondary wave soldering operations and reducing assembly time
- Rising cage clamp termination provides a gas-tight connection without strand damage or intermittence
- Polarization and keying features prevent mis-mating
- Optional retention screws and inserts secure plug to header in vibration-susceptible applications where the possibility of accidental disconnection exists
- Additional options available: imprinting, Gold-plating and color options including green, orange and blue



Specifications

Reference Information

Packaging: Box
 UL File No.: E48521
 Guide No.: XCFR2
 UL for Canada File No: E48521
 Guide No.: XCFR8

Electrical

Voltage: 300V
 Current: 10.0A
 Contact Resistance: 1 milliohm max.
 Dielectric Withstanding Voltage: 3500V DC min.
 Insulation Resistance: 5000 Gigohms min.

Physical

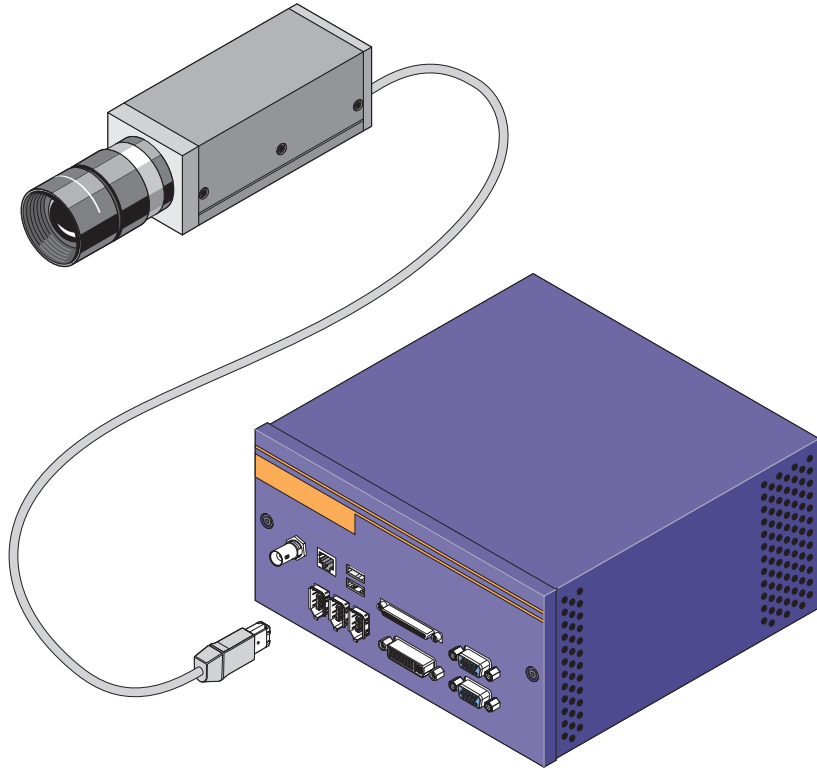
Housing:
 Header – Black, Nylon 4/6, UL 94V-0
 Plug – Black, Polyamide 4/6
 Contacts:
 Header – Brass
 Plug – Beryllium Copper
 Plating: Tin
 Wire Range: 16 to 24 AWG (1.0 to 0.2mm²)
 Operating Temperature: +140°C

ORDERING INFORMATION

| Series No. | Order No. | Description |
|------------|------------|---|
| 39351 | 39351-00XX | Plug |
| 39352 | 39352-00XX | Plug with Retention Screws |
| 39353 | 39353-00XX | Vertical Header |
| 39354 | 39354-00XX | Vertical Header with Retention Inserts |
| 39355 | 39355-00XX | Right Angle Header |
| 39356 | 39356-00XX | Right Angle Header with Retention Inserts |

Replace XX with circuit size 02 through 20

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APPLICATIONS

- Process Controls
- Motors and Drives
- Motion Control
- Factory Automation
- Instrumentation
- Security, Alarm and Surveillance
- Signal Conditioning
- Scales and Weighing Equipment
- Switching Equipment

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