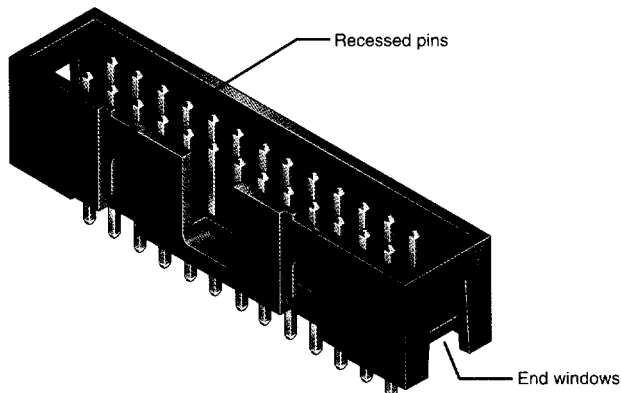


Shrouded Low Profile Headers 2.54 mm (.100")

FCI *basics* 

2.54 mm (.100")



- High temperature plastic – Vertical
- Selective plating
- Recessed pins assure proper alignment and eliminate damage during mating
- End windows for latching with IDC receptacle

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High temperature, black thermoplastic – Vertical
Blue thermoplastic – Right angle
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm (50 µ") nickel



Electrical Performance

Current rating: 3 A continuous
Insulation resistance: 10,000 MΩ min.
Dielectric withstanding voltage: 500 V min.

Mechanical Performance

Pin retention to housing: 13.34 N (3 lbf) min.
Retentive leg insertion force:
> 44.48 N (10 lbf) max.*
Retentive leg board retention:
2.22 N (.5 lbf)*

* Per retentive pin-pair

Operating Temperature Range

-65°C to +125°C

Packaging

Trays – Vertical
Trays – Vertical surface mount
Tubes – Right angle

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: 52601 or 52602

Product specification: BUS-12-082

Specifications subject to change without notice.

Mating Data

- Crimp-to-wire housings
- IDC receptacles

Page

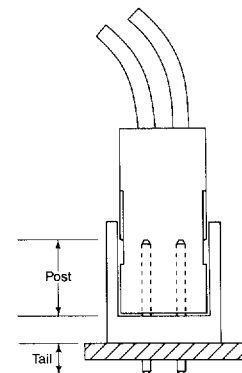
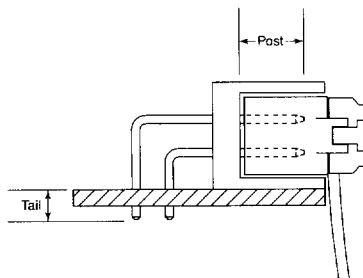
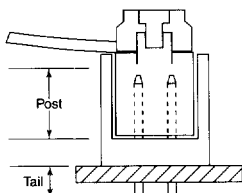
28

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Processing Information

Compatible with wave, vapor-phase, and IR reflow soldering processes – Vertical

Typical Applications

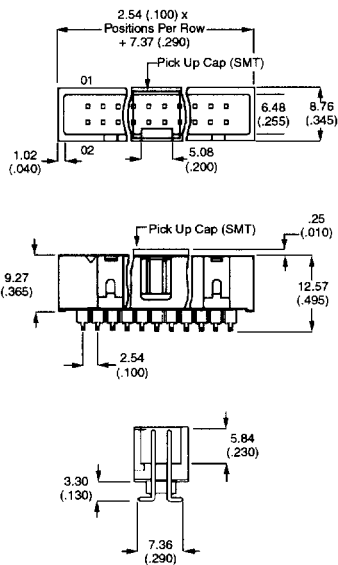


Part Number

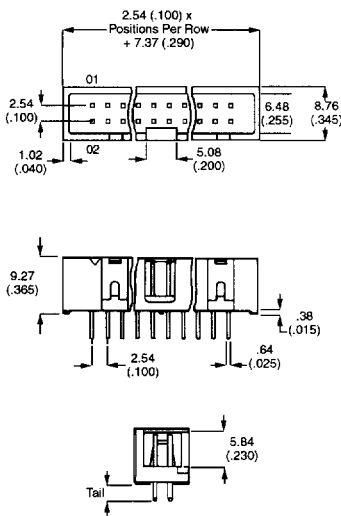
5	2	6	0	Style	Plating	Total Positions	Tail Length	Options
				1 = Vertical 2 = Right Angle S = 15 μ " Gold on contact area, 150 μ " Tin-Lead on tail G = 30 μ " Gold on contact area, 150 μ " Tin-Lead on tail			Vertical 4 = 3.05 (.120) 6 = 3.81 (.150) 7 = 17.15 (.675) 8 = Surface Mount Right Angle 4 = 3.05 (.120)	R = Retentive Leg Available on Tail Length 4 only
				10, 14, 16, 20, 26, 30, 34, 40, 50, 60			01... 60 = Polarization Specify position number (i.e., 01) to omit pin	

2.54 mm (.100")

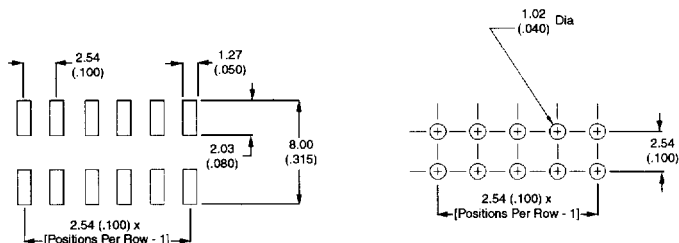
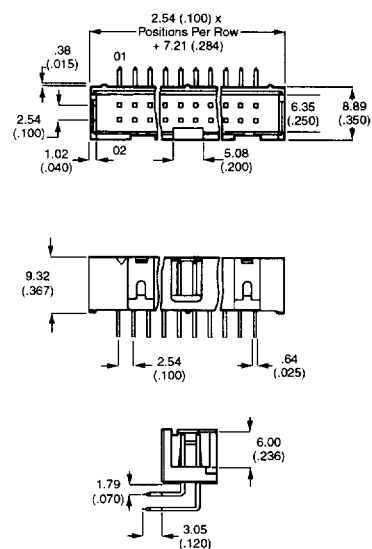
Surface Mount



Through Hole



Right Angle



Recommended PCB Layout

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[52602-G10-4LF](#) [52602-S30-4LF](#)