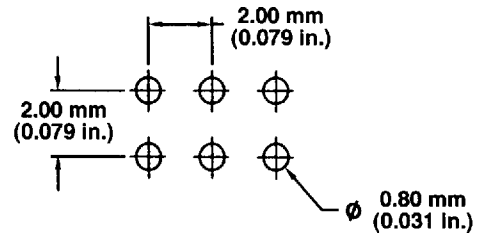
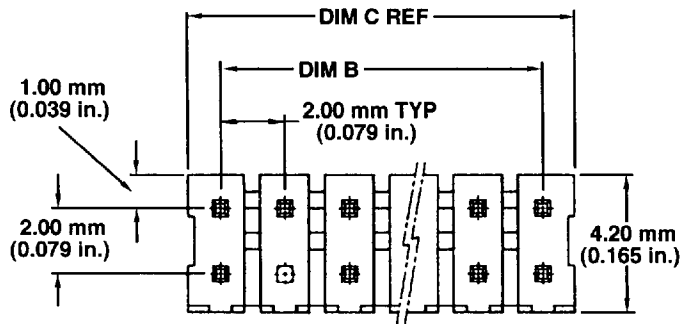
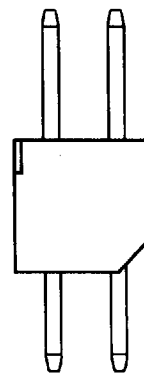
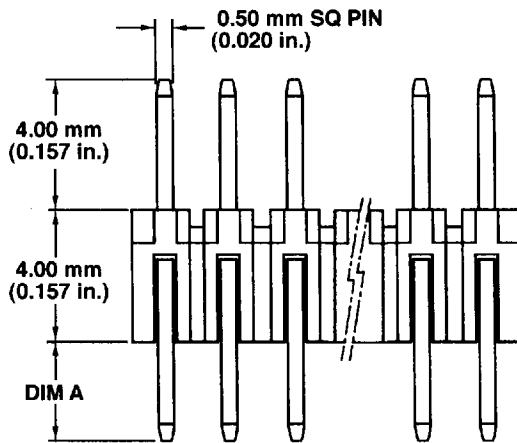


Description

Vertical Through-Mount High Body Header



RECOMMENDED HOLE PATTERN



Ordering Data

Vertical Through-Mount High Body Header

Part Number 87715

9

87715 - XYY

Dash number specifies plating (X), number of positions, and pin lengths (YY).

Note: Housing Material is glass-filled nylon, color black.

Dash Number

X: Plating

No. of Positions	Dash Number	Dimension A		Dimension B		Dimension C	
		mm	in.	mm	in.	mm	in.
2 x 4	X06	3.00	0.118	6.00	0.236	8.00	0.315
2 x 5	X19	3.00	0.118	8.00	0.315	10.00	0.394
2 x 7	X16	2.50	0.098	12.00	0.472	14.00	0.551
2 x 9	X21	3.00	0.118	16.00	0.630	18.00	0.709
2 x 11	X17	2.50	0.098	20.00	0.787	22.00	0.866
2 x 12	X04	2.50	0.098	22.00	0.866	24.00	0.945
2 x 13	X05	2.50	0.098	24.00	0.945	26.00	1.024
2 x 15	X03	2.50	0.098	28.00	1.102	30.00	1.181
2 x 16	X01	2.50	0.098	30.00	1.181	32.00	1.260
2 x 18	X22	3.00	0.118	34.00	1.339	36.00	1.417
2 x 19	X20	3.00	0.118	36.00	1.417	38.00	1.496
2 x 20	X13	2.50	0.098	38.00	1.496	40.00	1.575

Pin length and polarization may be customized to suit individual applications.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

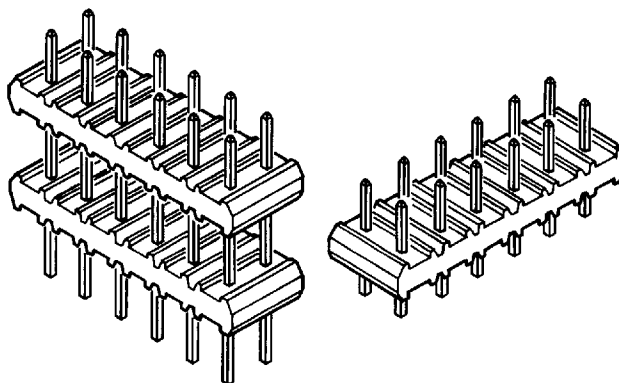
9005411 0002341 375

Unshrouded Headers

2.00 x 2.00 mm (0.079 x 0.079 in.)

Centerlines

Minitek™ Vertical Through-Mount Headers



Features

- Double row: 2 x 2 through 2 x 25 positions.
- Standard solder tail lengths for up to 0.093 in. PCB thicknesses.
- Short solder tail length for flexible circuitry applications.
- Straight header utilizes a 1.5 mm (0.059 in.) low-profile body.
- 2.0 mm (0.079 in.) mating length available for use with top-entry vertical board-mounted receptacles ≤ 4.00 mm tall
- Standoffs for easy PCB cleaning.
- 0.50 mm (0.020 in.) square drawn wire pin provides four smooth mating surfaces.
- Stacking and high-body headers for wider board-to-board spacing in parallel board stacking applications.

Options

- High-temperature plastic for vapor-phase or IR soldering.
- Polarization by omitting pins.
- Variable mating pin and solder tail lengths.
- Retentive leg solder tails hold header firmly in place during soldering process.


Mating Data


Berg Electronics Products	Page
▪ Minitek™ board-mounted receptacles	9-26 to 9-37
▪ Minitek™ shunt	9-24
▪ Minitek™ crimp-to-wire receptacle and housing assembly	9-43 to 9-46
▪ Minitek™ 2.00 mm (0.079 in.) IDC receptacle	9-48

Specifications

- JIS-5020
- MIL-STD-202

Approvals and Certifications

 File no. E66906

 File no. LR46923

Technical Data

Materials

- Standard housing Glass-filled nylon (UL 94 V-0)
 - ▶ Color Black
 - ▶ Applicable soldering processes wave
- High-temperature housing Glass-filled PCT (UL 94 V-0)
 - ▶ Color Black or Cream
 - ▶ Applicable soldering processes. Wave, IR, vapor-phase
- Pin Phosphor-bronze

- ▶ Duplex plate pins
 - Contact area 0.38 μm (15 μin) min gold or 0.38 μm (15 μin) min GXT™ or 0.76 μm (30 μin) min GXT™
 - Solder area 3.80 μm (150 μin) min tin/lead

Operating Environment

- Temperature range Nylon: -40°C to +105°C
PCT: -55°C to +125°C

Electrical Performance

- Insulation resistance 1000 MΩ min
- Withstanding voltage 650 V rms
- Current rating 2 amp continuous
- Contact resistance 25 mΩ max
- Voltage rating 200 V ac/dc

Plating

- Underplate 1.27 μm (50 μin.) min nickel
- Finish
 - ▶ Fully-plated Pins 0.20 μm (8 μin.) min gold or 0.76 μm (30 μin.) min gold or 0.38 μm (15 μin.) min GXT™

Mechanical Performance

- Durability (mating cycles) 100

Packaging

- Bags

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings	By Part No.	Product Bulletin	950522-001
Product Samples	By Part No.	Product Specifications	DPS-12-011