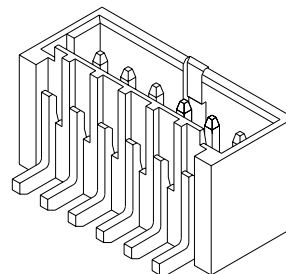


molex® **1.50mm (.059") Pitch**
Wire-to-Board
Header

87437

Vertical, SMT
Shrouded



FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 15 circuits
- Compact, low-profile SMT design
- Fully shrouded to protect pins during mating/unmating
- Center keyway for secure connection to housing
- One-piece mating post and SMT tail provides coplanarity control and large soldering area
- High-temperature material withstands reflow soldering

Reference Information

Product Specification: PS-87437
Packaging: Tube or tape and reel
UL File No.: E29179
CSA File No.: LR19980A
Mates With: [87439](#)
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 2.0A
Contact Resistance: 40mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 MΩ min.

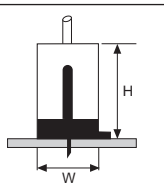
Mechanical

Contact Retention to Housing: 1kgf max.
Durability: 10 cycles

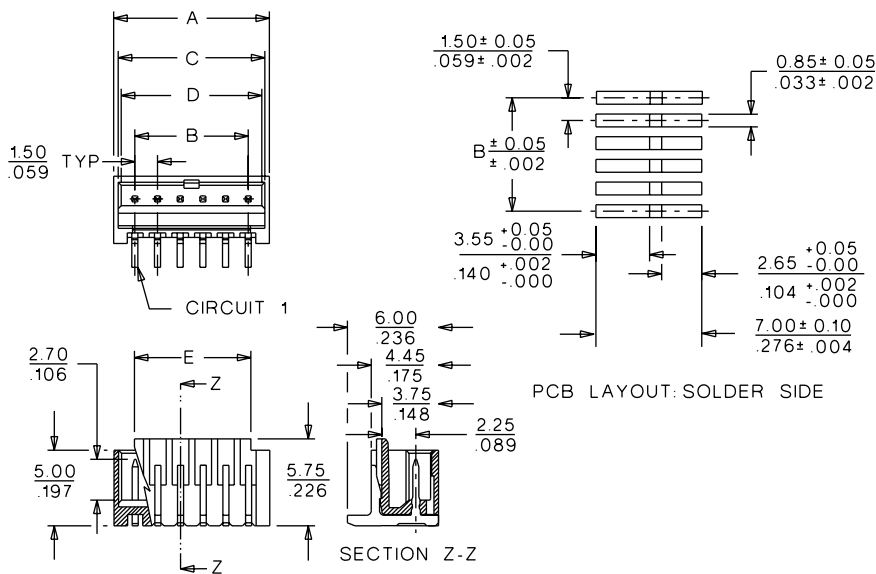
Physical

Housing: Beige glass-filled 4/6 nylon, UL 94V-0
Contact: Brass Alloy
Plating: 2.54µm Tin/Lead
Operating Temperature: -25 to + 85°C

Mating Dimensions
87437 • 87439
H=7mm W=4.45mm



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension				
	Tube	Tape and Reel	A	B	C	D	E
2	87437-0232	87437-0233	4.30 (.169)	1.50 (.059)	3.70 (.145)	3.30 (.129)	1.70 (.066)
3	87437-0332	87437-0333	5.80 (.228)	3.00 (.118)	5.20 (.204)	4.80 (.188)	3.20 (.125)
4	87437-0432	87437-0433	7.30 (.287)	4.50 (.177)	6.70 (.263)	6.30 (.248)	4.70 (.185)
5	87437-0532	87437-0533	8.80 (.346)	6.00 (.236)	8.20 (.322)	7.80 (.307)	6.20 (.244)
6	87437-0632	87437-0633	10.30 (.405)	7.50 (.295)	9.70 (.381)	9.30 (.366)	7.70 (.303)
7	87437-0732	87437-0733	11.80 (.464)	9.00 (.354)	11.20 (.440)	10.80 (.425)	9.20 (.362)
8	87437-0832	87437-0833	13.30 (.523)	10.50 (.413)	12.70 (.499)	12.30 (.484)	10.70 (.421)
9	87437-0932	87437-0933	14.80 (.582)	12.00 (.472)	14.20 (.559)	13.80 (.543)	12.20 (.480)
10	87437-1032	87437-1033	16.30 (.641)	13.50 (.531)	15.70 (.618)	15.30 (.602)	13.70 (.539)
11	87437-1132	87437-1133	17.80 (.700)	15.00 (.590)	17.20 (.677)	16.80 (.661)	15.20 (.598)
12	87437-1232	87437-1233	19.30 (.759)	16.50 (.649)	18.70 (.736)	18.30 (.720)	16.70 (.657)
13	87437-1332	87437-1333	20.80 (.818)	18.00 (.708)	20.20 (.795)	19.80 (.779)	18.20 (.716)
14	87437-1432	87437-1433	22.30 (.877)	19.50 (.767)	21.70 (.854)	21.30 (.838)	19.70 (.775)
15	87437-1532	87437-1533	23.80 (.937)	21.00 (.826)	23.20 (.913)	22.80 (.897)	21.20 (.834)

0.40 to 1.60mm (.016 to .063") Pitch

A