

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

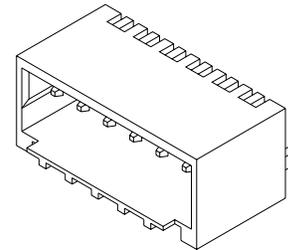
Plating: 2.54μm Tin/Lead

Operating Temperature: -25 to + 85°C

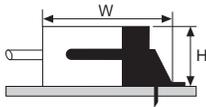
molex® 1.50mm (.059") Pitch Wire-to-Board Header

87438

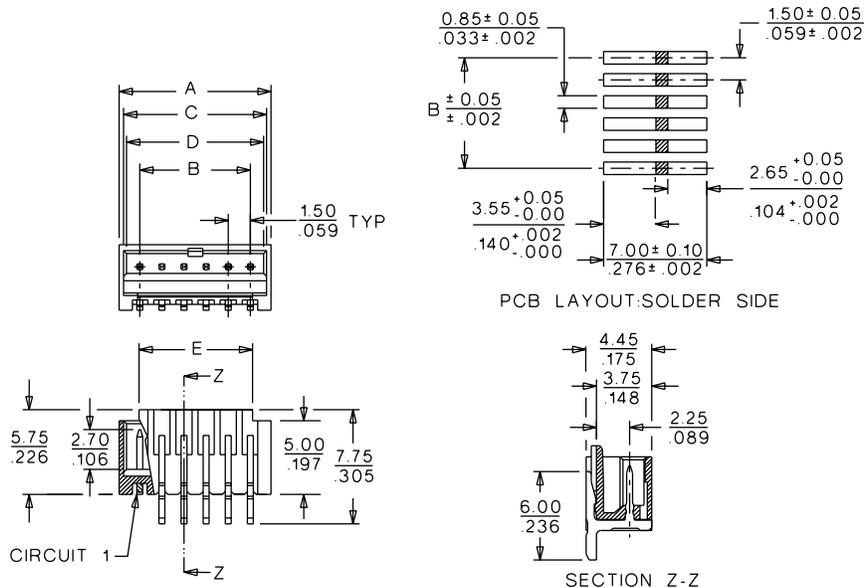
Right Angle, SMT Shrouded



Mating Dimensions
87438 • 87439
H=4.45mm W=7mm



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension				
	Tube	Tape and Reel	A	B	C	D	E
2	87438-0232	87438-0233	4.30 (.169)	1.50 (.059)	3.70 (.145)	3.30 (.129)	1.70 (.066)
3	87438-0332	87438-0333	5.80 (.228)	3.00 (.118)	5.20 (.204)	4.80 (.188)	3.20 (.125)
4	87438-0432	87438-0433	7.30 (.287)	4.50 (.177)	6.70 (.263)	6.30 (.248)	4.70 (.185)
5	87438-0532	87438-0533	8.80 (.346)	6.00 (.236)	8.20 (.322)	7.80 (.307)	6.20 (.244)
6	87438-0632	87438-0633	10.30 (.405)	7.50 (.295)	9.70 (.381)	9.30 (.366)	7.70 (.303)
7	87438-0732	87438-0733	11.80 (.464)	9.00 (.354)	11.20 (.440)	10.80 (.425)	9.20 (.362)
8	87438-0832	87438-0833	13.30 (.523)	10.50 (.413)	12.70 (.499)	12.30 (.484)	10.70 (.421)
9	87438-0932	87438-0933	14.80 (.582)	12.00 (.472)	14.20 (.559)	13.80 (.543)	12.20 (.480)
10	87438-1032	87438-1033	16.30 (.641)	13.50 (.531)	15.70 (.618)	15.30 (.602)	13.70 (.539)
11	87438-1132	87438-1133	17.80 (.700)	15.00 (.590)	17.20 (.677)	16.80 (.661)	15.20 (.598)
12	87438-1232	87438-1233	19.30 (.759)	16.50 (.649)	18.70 (.736)	18.30 (.720)	16.70 (.657)
13	87438-1332	87438-1333	20.80 (.818)	18.00 (.708)	20.20 (.795)	19.80 (.779)	18.20 (.716)
14	87438-1432	87438-1433	22.30 (.877)	19.50 (.767)	21.70 (.854)	21.30 (.838)	19.70 (.775)
15	87438-1532	87438-1533	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