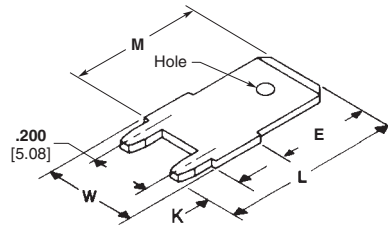


## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### 250 Series Printed Circuit Board Tabs

**Stock Thickness** — .032 [0.81]

**Board Hole Size** —  
.055 ± .002 [1.40 ± 0.05] Dia.



Dimensions					Material and Finish	UL	SP	Terminal Part No.	
W	L	K	E	M				Strip <sup>2</sup>	Loose Piece <sup>1</sup>
	.502 12.75	.125 3.18	.312 7.92	.377 9.58	Tin Plated Brass	X	X	63839-1 <sup>3</sup>	—
.312 7.92	.547 13.89	.157 3.99	.312 7.92	.400 10.16	Tin Plated Brass	X	X	63986-1	—
	.552 14.02	.150 3.81	.312 7.92	.402 10.21	Tin Plated Brass	X	X	1217566-1	—
						X	X	1217539-1	—
.295 7.49	.622 15.80	.125 3.18	.312 7.92	.497 12.62	Tin Plated Brass	X	X	—	62409-1 <sup>3</sup>
						—	—	—	1217056-1
	.487 12.37	.125 3.18	.312 7.92	.362 9.19	Tin Plated Brass	X	X	62650-1 <sup>3</sup>	—
.280 7.11	.532 13.51	.175 4.45	.312 7.92	.357 9.07	Tin Plated Brass	X	X	63650-1 <sup>3</sup>	—
	.622 15.80	.125 3.18	.452 11.48	.497 12.62	Tin Plated Brass	X	X	—	63900-1
						X	X	63755-1 <sup>3</sup>	—

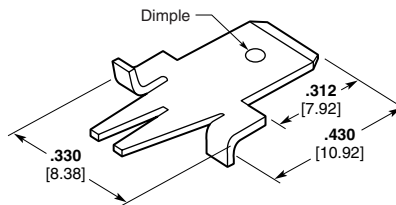
<sup>1</sup> Board hole size: .060/.053 [1.52/1.35] dia.

<sup>2</sup> Insertion equipment available.

<sup>3</sup> Dimple.

**Stock Thickness** — .032 [0.81]

**Board Hole Size** —  
.100 ± .002 [2.54 ± 0.05] Dia.



Material and Finish	UL	SP	Terminal Part No.	
			Strip <sup>1</sup>	Loose Piece
Tin Plated Brass	X	X	63066-1	63067-1

<sup>1</sup> Insertion equipment available.

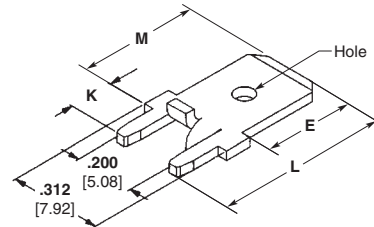
**Note:** All part numbers are RoHS compliant.

## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### 250 Series Printed Circuit Board Tabs (Continued)

**Stock Thickness** — .032 [0.81]

**Board Hole Size** —  
.055 ± .002 [1.40 ± 0.05] Dia.



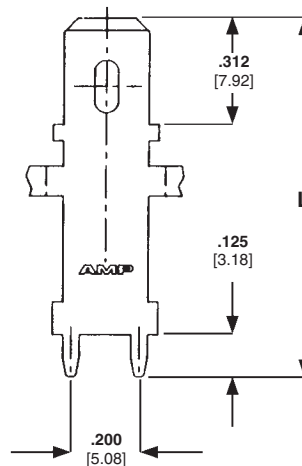
Dimensions				Material and Finish	UL	SP	Terminal Part No.	
L	K	E	M				Strip <sup>1</sup>	Loose Piece
.552 14.02	.150 3.81	.312 7.92	.402 10.21	Tin Plated Brass	X	X	63862-1 <sup>2</sup>	1742188-1 <sup>2</sup>
.582 14.78	.180 4.57	.312 7.92	.402 10.21	Tin Plated Brass	X	X	1217136-1	1217421-1
.650 16.51	.150 3.81	.410 10.41	.500 12.70	Tin Plated Brass	X	X	1217126-1 <sup>2</sup>	—
.710 18.03	.150 3.81	.470 11.94	.560 14.22	Tin Plated Brass	X	X	1217125-1	1217169-1
.780 26.18	.150 3.81	.540 13.72	.630 16.00	Tin Plated Brass	X	X	1217127-1	1217167-1

<sup>1</sup> Insertion equipment available.

<sup>2</sup> Dimple.

**Stock Thickness** — .032 [0.81]

**Board Hole Size** —  
.055 ± .002 [1.40 ± 0.05] Dia.



Dimension L	Material and Finish	UL	SP	Terminal Part No.
1.062 26.97	Tin Plated Brass	X	X	63949-1
1.207 30.66	Tin Plated Brass	X	X	63950-1

**Note:** All part numbers are RoHS compliant.

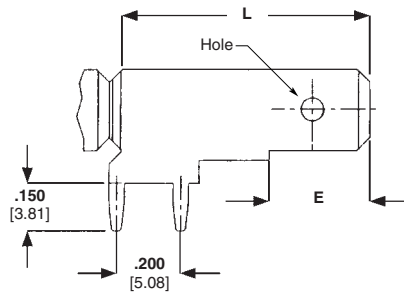
## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### 250 Series Printed Circuit Board Tabs (Continued)

#### Right-Angle Printed Circuit Board Tabs

Stock Thickness — .032 [0.81]

Board Hole Size —  
.055 ± .002 [1.40 ± 0.05] Dia.



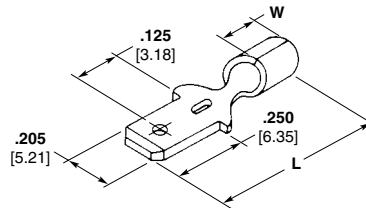
Dimensions		Material and Finish	UL	SP	Terminal Part No.	
E	L				Strip <sup>1</sup>	Loose Piece
.312 7.92	.800 20.32	Tin Plated Brass	X	X	63951-1	1217754-1
.358 9.09	.630 16.00	Tin Plated Brass	—	—	—	928814-1
.662 16.83	1.00 25.40	Tin Plated Brass	—	—	63952-1	—

<sup>1</sup> Insertion equipment available.

### 205 Series Printed Circuit Board Only

Stock Thickness — .020 [0.51]

Board Hole Size —  
.100 — .095 [2.54 — 2.41] Dia.

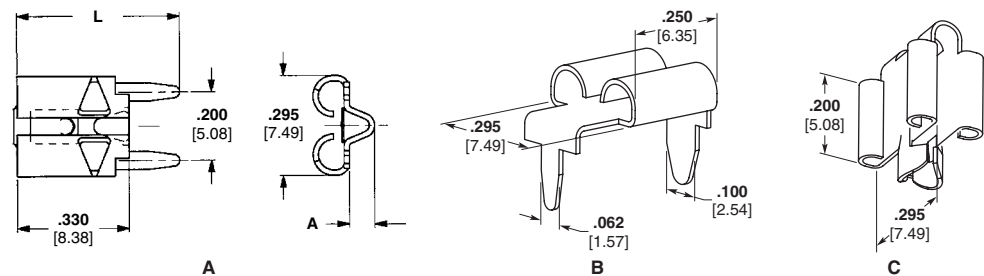


Dimensions		Material and Finish	UL	SP	Terminal Part No.	
L	W				Strip <sup>1</sup>	Loose Piece
.525 13.34	.070 1.78	Tin Plated Brass	X	X	62411-1 <sup>1</sup>	—
.545 13.84	.160 4.06	Tin Plated Brass	X	X	60284-2 <sup>1</sup>	—

<sup>1</sup> Loose piece only.

### .250/.205 Printed Circuit Board Receptacles

Stock Thickness — .016 [0.41]



Style	Fits Tab	Dimensions		Material and Finish	UL	SP	Part No.	
		A	L				Strip	Loose Piece
A	.032 0.81 (LIF)	.075 1.91	.480 12.19	Tin Plated Brass	—	—	63968-1	—
	.032 0.81	.075 1.91	.480 12.19	Tin Plated Brass	—	—	63969-1	1217080-1
	.025 0.64 (LIF)	.075 1.91	.480 12.19	Tin Plated Brass	—	—	63994-1	—
	.025 0.64	.075 1.91	.510 12.95	Tin Plated Brass	—	—	1217137-1 <sup>2</sup>	—
	.025 0.64	.075 1.91	.480 12.19	Tin Plated Brass	—	—	1217180-1	—
B	.020 0.51	—	—	Tin Plated Phos Bronze	—	—	1217107-1 <sup>1</sup>	—
C	.250 x .016 6.35 x 0.41 Spade	—	—	Tin Plated Brass	—	—	62751-1	62806-1

**Note:** All part numbers are RoHS compliant.

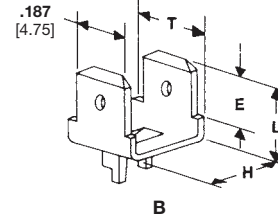
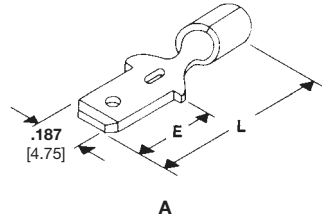
<sup>1</sup> Horizontal mount.

<sup>2</sup> .180 [4.57] length — solder legs.

## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### 187 Series Printed Circuit Board Tabs

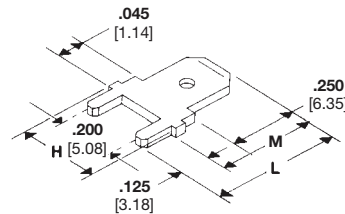
Stock Thickness — .020 [0.51]



Type	Board Thickness	Dimensions				Material and Finish	UL	SP	Terminal Part No.
		T	L	E	H				
A	.062 1.57	—	.545 13.84	.250 6.35	—	Tin Plated Brass	X	X	61907-1 <sup>1</sup>
B	.062 1.57	.250 6.35	.332 8.43	.250 6.35	.303 7.70	Pre-Tin Brass	X	X	62221-1 <sup>2</sup>

<sup>1</sup> Loose piece only.

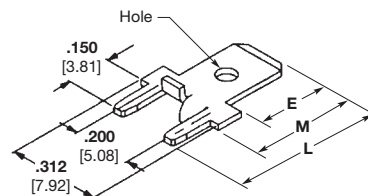
<sup>2</sup> Insertion equipment available.



Tab Thickness	Board Hole Size	Dimensions			Material and Finish	UL	SP	Terminal Part No.	
		L	M	H				Strip <sup>2</sup>	Loose Piece
.032 0.81	.053-.057 1.35-1.45	.487 12.37	.362 9.19	.280 7.11	Tin Plated Brass	X	X	63525-1 <sup>1</sup>	1217057-1 <sup>1</sup>
.020 0.51	.050-.054 1.27-1.37	.487 12.37	.362 9.19	.285 7.24	Tin Plated Brass	X	X	63603-1	1217131-1
		.440 11.18	.315 8.00	.312 7.92	Tin Plated Brass	X	X	63838-1	—

<sup>1</sup> Dimple.

<sup>2</sup> Insertion equipment available.



Tab Thickness	Dimensions			Material and Finish	UL	SP	Terminal Part No.	
	L	E	M				Strip <sup>3</sup>	Loose Piece
.032 0.81	.490 12.45	.250 6.35	.340 8.64	Tin Plated Brass	X	X	63860-1 <sup>1</sup>	—
	.510 12.95	.250 6.35	.370 9.40	Tin Plated Brass	X	X	1217133-1	—
	.710 18.03	.470 11.94	.560 14.22	Tin Plated Brass	X	X	1217124-1	—
	.635 16.13	.395 10.03	.485 12.32	Tin Plated Brass	X	X	—	1217332-1 <sup>2</sup>
.020 0.51	.490 12.45	.250 6.35	.340 8.64	Tin Plated Brass	X	X	63823-1	63982-1
	.510 12.95	.250 6.35	.370 9.40	Tin Plated Brass	X	X	1742362-1	—

<sup>1</sup> Dimple.

<sup>2</sup> No hole or dimple.

<sup>3</sup> Insertion equipment available.

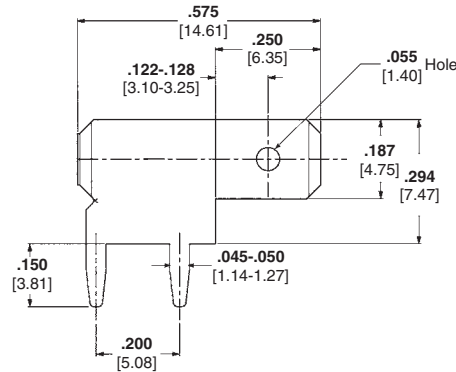
**Note:** All part numbers are RoHS compliant.

## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### 187 Series Printed Circuit Board Tabs

(Continued)

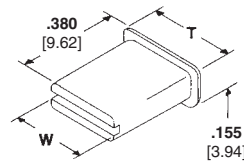
### Right-Angle Printed Circuit Board Tabs



Stock Thickness	Board Hole Size	Material and Finish	UL	SP	Terminal Part No.
.032 0.81	.053-.057 1.35-1.45	Tin Plated Brass	X	X	1217061-1
			—	—	1217756-1 <sup>1</sup>
.020 0.51	.050-.054 1.27-1.37	Tin Plated Brass	X	X	1217062-1
			—	—	1217156-1 <sup>1</sup>

<sup>1</sup> Loose piece.

### Tab Caps 187 and 250 Series



Tab Size	Material	UL 94 <sup>1</sup>	Color	Dimensions		Insulator Part No.
				T	W	
"187" Series .020 [0.51] Thick	Nylon	V2	Natural	.320 8.13	.260 6.60	360041-1
"250" Series .032 [0.81] Thick	Nylon	V2	Natural	.380 9.65	.320 8.13	360042-1

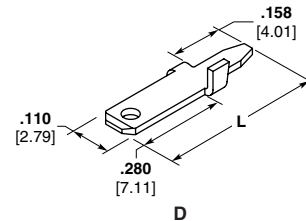
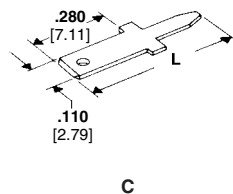
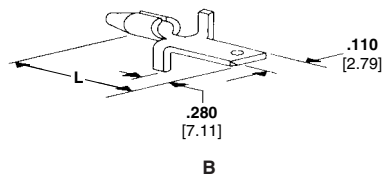
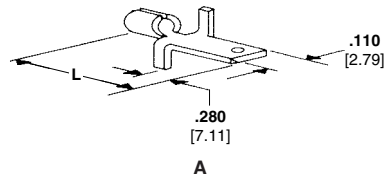
<sup>1</sup> Flammability rating.

**Note:** All part numbers are RoHS compliant.

## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### .110 Series Printed Circuit Board Tabs

Stock Thickness — .020 [0.51]



Style	Mating Hole Diameter	Dim. L	Material and Finish	UL	SP	Terminal Part No.
A	.060-.055 1.52-1.40	.490 12.45	Tin Plated Brass	X	X	61134-3 <sup>1</sup>
B	.067-.063 1.70-1.60	.485 12.32	Tin Plated Brass	X	X	61968-1 <sup>2</sup> 62437-1 <sup>1</sup>
C	.044-.048 1.12-1.22	.490 12.45	Tin Plated Brass	X	X	62395-1 <sup>2</sup>
		.622 15.80	Tin Plated Brass	X	X	63756-1 <sup>2,3</sup>

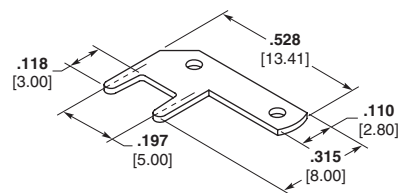
<sup>1</sup> Loose piece only.

<sup>2</sup> Insertion machine available.

<sup>3</sup> .032 [0.81] stock.

<sup>4</sup> .060 [1.52] tab width.

### Right-Angle Printed Circuit Board Tabs



Tab Thickness	PCB Hole Dia. +0/-0.01 [+0/-0.03]	Material and Finish	UL	SP	Terminal Part No.
.032 0.81	.055 1.40	Tin Plated Brass	—	—	725963-2
.020 0.51	.051 1.30	Tin Plated Brass	—	—	725996-2

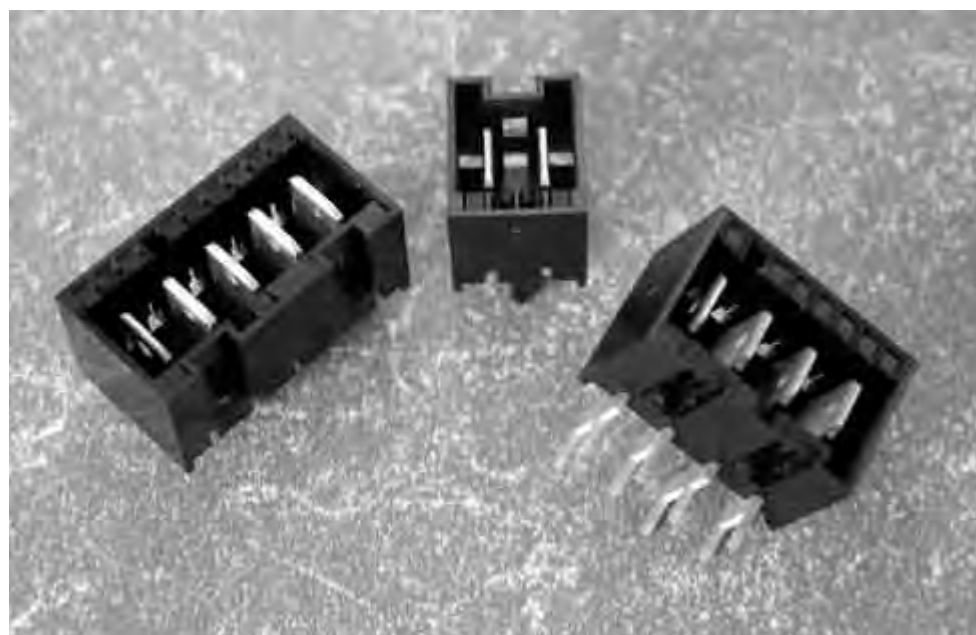
**Note:** All part numbers are RoHS compliant.

## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### FASTON RAST 5 Tab Header Assembly, 250 Series

#### Product Facts

- .250 x .032 [6.3 x 0.8]  
FASTON Tabs built on 5 mm centerlines
- Shrouded header assembly that conforms to the European RAST 5 Standard
- Mating TE connector families include Positive Lock RAST 5 connector system, AMP standard timer RAST 5, AMP multifitting, AMP multifitting MKII, AMP MONO-SHAPE TAB MKI, and AMP MONO-SHAPE MKII
- Vertical and right-angle versions available in 2 through 8 positions
- Tin plated brass tabs are standard, silver plated tab versions are available upon request
- Lead free design is RoHS and ELV compliant
- UL 94 V-0 housing meets Glow Wire IEC 60695-1 Section 30.2.3 – 750° No Flame
- Component recognition USR and CSR under file no. E28476
- VDE tested according to DIN EN61984 (VDE0627): 2002-09; EN61984: 2001 VDE reg. no. B718



The FASTON RAST 5 Tab header assembly system is designed to provide a RAST 5 interface to a printed circuit board. The RAST 5 standard defines and standardizes the connector mating interface. 250 series tabs are placed on 5mm center lines with a plastic shroud that has keying, polarization, and locking features that help prevent mismatching of the corresponding RAST 5 female receptacle housing. The header assembly is

designed to accept any RAST 5 compliant female receptacle system or individual quick connects.

The most common application for this product is for household appliance controls where OEMs want to minimize the possibility of crossed wires. It is also suited for other applications such as gaming, vending, and exercise equipment controls as well as residential, commercial and industrial HVAC and light industrial equipment. The

system comes fully assembled and is easily press fit into the board for the soldering operation. Preassembly of the tabs into the header ensures tab perpendicularity to the board. The solder leg PCB layout is based on the industry standard for similar systems available on the market. To further enhance correct placement onto the board, the vertical system includes a plastic post which allows header placement to be polarized.

#### Material

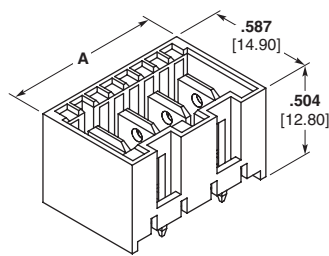
UL 94 V-0, 6/6 Nylon

See TE Catalog 1654742 for the complete line of RAST products.

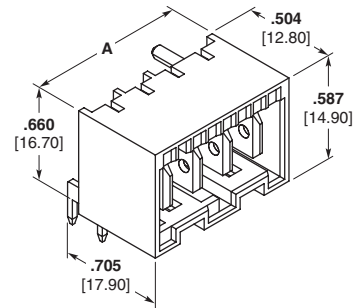
## FASTON Printed Circuit Board Tabs and Receptacles (Continued)

### FASTON RAST 5 Tab Header Assembly, 250 Series

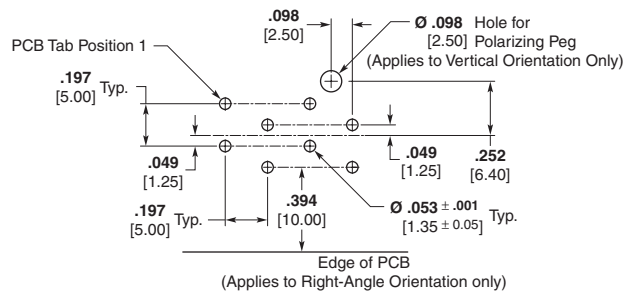
(Continued)



Vertical Orientation



Right-Angle Orientation



PCB Layout  
(Ref.) from Component Side

No. of Positions	RAST 5 Configuration	Dim. A	Part Numbers	
			Vertical	Right-Angle
2	02-A	.484 [12.30]	521382-2	521384-2
	02-C	.484 [12.30]	2-521382-2	2-521384-2
	02-E	.484 [12.30]	3-521382-2	3-521384-2
	02-I	.484 [12.30]	5-521382-2	5-521384-2
3	03-A	.681 [17.30]	521382-3	521384-3
	03-B	.681 [17.30]	1-521382-3	1-521384-3
	03-D	.681 [17.30]	2-521382-3	2-521384-3
	03-K	.681 [17.30]	4-521382-3	—
4	04-A	.878 [22.30]	521382-4	521384-4
	04-B	.878 [22.30]	1-521382-4	1-521384-4
	04-F	.878 [22.30]	3-521382-4	3-521384-4
	04-G	.878 [22.30]	4-521382-4	4-521384-4
5	05-B	1.075 [27.30]	521382-5	521384-5
6	06-A	1.272 [32.30]	521382-6	521384-6
	06-D	1.272 [32.30]	1-521382-6	1-521384-6
7	07-C	1.469 [37.30]	521382-7	521384-7
8	08-D	1.665 [42.30]	521382-8	521384-8
	08-C	1.665 [42.30]	2-521382-8	2-521384-8

Refer to the TE Customer Drawing for additional details and specific keying patterns.  
For more information related to the RAST 5 Standard, see TE Literature Distribution no. 1308243.

Available variations include: silver plated tabs, DIN style tabs, and Glow Wire housings.

RAST 5 headers mate to the following product families: AMP multifitting MKII, RAST 5 Positive Lock MKIII, AMP Standard Timer and AMP Standard Power Timer.

**Note:** All part numbers are RoHS compliant.