



1.00 mm [.039"] Male Headers, Straight, Right Angle, SMT

SPECIFICATIONS

- 1 amp current rating
- UL Flammability Rating: 94V-0
- Insulator Material: Black LCP
- Contact Material: Phosphor Bronze
- Insulator Resistance: 1000 Mega OHMS Min.
- Contact Resistance: 20 Milli OHMS Max.
- Dielectric Withstanding: AC 300V
- Operating Temperature: -40°C to +125°C
- Processing Temperature: 260°C for 10 seconds Max.
- Mates with Female SFM series



TERMINATION TYPE



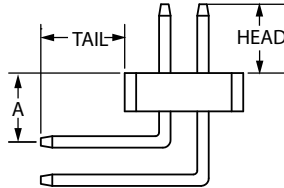
Straight, (ST)



Right Angle, (RA)



Straight, (ST)



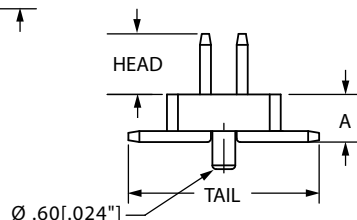
Right Angle, (RA)



SMT, (SC) or (SD)



SMT Without Guide Posts, (SM)



SMT With Guide Posts, (SP)

SINGLE ROW

EXAMPLE P/N	HEAD	TAIL	A
STRAIGHT TERMINATION			
SMH100-LPPE-S10-ST-BK	1.80 [.071"]	2.50 [.098"]	1.00 [.039"]
RIGHT ANGLE TERMINATION			
SMH100-LPPE-S10-RA-BK	1.80 [.071"]	2.60 [.102"]	1.80 [.071"]

DUAL ROW

EXAMPLE P/N	HEAD	TAIL	A
STRAIGHT TERMINATIONS			
SMH100-LPPE-D10-ST-BK	1.80 [.071"]	2.50 [.098"]	1.00 [.039"]
SMH150-LPPE-D10-ST-BK	1.80 [.071"]	2.50 [.098"]	1.50 [.059"]
RIGHT ANGLE TERMINATION			
SMH100-LPPE-D10-RA-BK	1.80 [.071"]	2.60 [.102"]	1.80 [.071"]

SURFACE MOUNT TERMINATIONS

EXAMPLE P/N	HEAD	TAIL	A
SINGLE ROW			
SMH100-LPPE-S10-SC-BK	1.65 [.065"]	4.20 [.165"]	1.30 [.051"]
SMH100-LPPE-S10-SD-BK	1.65 [.065"]	4.20 [.165"]	1.30 [.051"]
DUAL ROW			
SMH101-LPPE-D10-SM-BK	1.65 [.065"]	5.20 [.205"]	1.30 [.051"]
SMH101-LPPE-D10-SP-BK	1.65 [.065"]	5.20 [.205"]	1.30 [.051"]
SMH102-LPPE-D10-SM-BK	1.90 [.075"]	5.20 [.205"]	1.30 [.051"]
SMH102-LPPE-D10-SP-BK	1.90 [.075"]	5.20 [.205"]	1.30 [.051"]
SMH151-LPPE-D10-SM-BK	1.65 [.065"]	5.20 [.205"]	1.80 [.071"]
SMH151-LPPE-D10-SP-BK	1.65 [.065"]	5.20 [.205"]	1.80 [.071"]
SMH152-LPPE-D10-SM-BK	1.90 [.075"]	5.20 [.205"]	1.80 [.071"]
SMH152-LPPE-D10-SP-BK	1.90 [.075"]	5.20 [.205"]	1.80 [.071"]



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PART NUMBER OPTIONS

SMH100 - L P P E - S 10 - ST - BK

SERIES (See Opposite Page)

SMH100 = 1.00 mm [.039"] Profile, 1.80 mm [.071"] Head Height
SMH101 = 1.00 mm [.039"] Profile, 1.65 mm [.065"] Head Height
SMH102 = 1.00 mm [.039"] Profile, 1.90 mm [.075"] Head Height
SMH150 = 1.50 mm [.059"] Profile, 1.80 mm [.071"] Head Height
SMH151 = 1.50 mm [.059"] Profile, 1.65 mm [.065"] Head Height
SMH152 = 1.50 mm [.059"] Profile, 1.90 mm [.075"] Head Height

HOUSING MATERIAL

L = LCP

CONTACT MATERIAL

P = Phosphor Bronze

CONTACT FINISH - RoHS Compliant

P = Gold Flash Overall

S = 10u" Gold Overall

CONTACT CENTERS

E = 1.00 mm [.039"]

COLOR

BK = Black

TERMINATION TYPE (See Opposite Page)

ST = Straight (1 & 2 Row)

RA = Right Angle (1 & 2 Row)

SC = Surface Mount, Standard (1 Row)

SD = Surface Mount, Opposite Bend,

Applicable on Even pin Counts (1 Row)

SM = Surface Mount without Guide Posts (2 Row)

SP = Surface Mount with Guide Posts (2 Row)

NUMBER OF CONTACT POSITIONS (Pins per Row)

02 thru 50

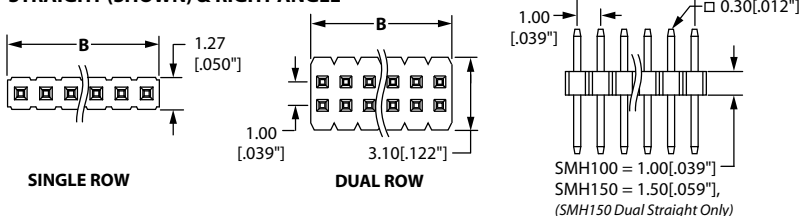
NUMBER OF ROWS

S = Single Row

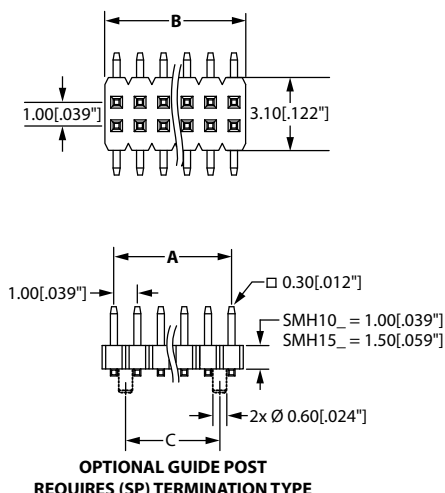
D = Dual Row

DIMENSIONS

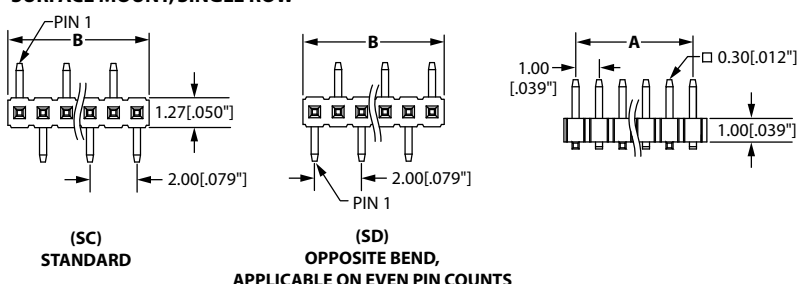
STRAIGHT (SHOWN) & RIGHT ANGLE



SURFACE MOUNT, DUAL ROW



SURFACE MOUNT, SINGLE ROW



Positions	Number of Contacts Single/Dual	DIMENSION A		DIMENSION B		DIMENSION C		Positions	Number of Contacts Single/Dual	DIMENSION A		DIMENSION B		DIMENSION C	
		mm	[Inches]	mm	[Inches]	mm	[Inches]			mm	[Inches]	mm	[Inches]	mm	[Inches]
02*	02/04	1.00	0.039	2.00	0.079	N/A	N/A	26	26/52	25.00	0.984	26.00	1.024	24.00	0.945
03	03/06	2.00	0.079	3.00	0.118	1.00	0.039	27	27/54	26.00	1.024	27.00	1.063	25.00	0.984
04	04/08	3.00	0.118	4.00	0.157	2.00	0.079	28	28/56	27.00	1.063	28.00	1.102	26.00	1.024
05	05/10	4.00	0.157	5.00	0.197	3.00	0.118	29	29/58	28.00	1.102	29.00	1.142	27.00	1.063
06	06/12	5.00	0.197	6.00	0.236	4.00	0.157	30	30/60	29.00	1.142	30.00	1.181	28.00	1.102
07	07/14	6.00	0.236	7.00	0.276	5.00	0.197	31	31/62	30.00	1.181	31.00	1.220	29.00	1.142
08	08/16	7.00	0.276	8.00	0.315	6.00	0.236	32	32/64	31.00	1.220	32.00	1.260	30.00	1.181
09	09/18	8.00	0.315	9.00	0.354	7.00	0.276	33	33/66	32.00	1.260	33.00	1.299	31.00	1.220
10	10/20	9.00	0.354	10.00	0.394	8.00	0.315	34	34/68	33.00	1.299	34.00	1.339	32.00	1.260
11	11/22	10.00	0.394	11.00	0.433	9.00	0.354	35	35/70	34.00	1.339	35.00	1.378	33.00	1.299
12	12/24	11.00	0.433	12.00	0.472	10.00	0.394	36	36/72	35.00	1.378	36.00	1.417	34.00	1.339
13	13/26	12.00	0.472	13.00	0.512	11.00	0.433	37	37/74	36.00	1.417	37.00	1.457	35.00	1.378
14	14/28	13.00	0.512	14.00	0.551	12.00	0.472	38	38/76	37.00	1.457	38.00	1.496	36.00	1.417
15	15/30	14.00	0.551	15.00	0.591	13.00	0.512	39	39/78	38.00	1.496	39.00	1.535	37.00	1.457
16	16/32	15.00	0.591	16.00	0.630	14.00	0.551	40	40/80	39.00	1.535	40.00	1.575	38.00	1.496
17	17/34	16.00	0.630	17.00	0.669	15.00	0.591	41	41/82	40.00	1.575	41.00	1.614	39.00	1.535
18	18/36	17.00	0.669	18.00	0.709	16.00	0.630	42	42/84	41.00	1.614	42.00	1.654	40.00	1.575
19	19/38	18.00	0.709	19.00	0.748	17.00	0.669	43	43/86	42.00	1.654	43.00	1.693	41.00	1.614
20	20/40	19.00	0.748	20.00	0.787	18.00	0.709	44	44/88	43.00	1.693	44.00	1.732	42.00	1.654
21	21/42	20.00	0.787	21.00	0.827	19.00	0.748	45	45/90	44.00	1.732	45.00	1.772	43.00	1.693
22	22/44	21.00	0.827	22.00	0.866	20.00	0.787	46	46/92	45.00	1.772	46.00	1.811	44.00	1.732
23	23/46	22.00	0.866	23.00	0.906	21.00	0.827	47	47/94	46.00	1.811	47.00	1.850	45.00	1.772
24	24/48	23.00	0.906	24.00	0.945	22.00	0.866	48	48/96	47.00	1.850	48.00	1.890	46.00	1.811
25	25/50	24.00	0.945	25.00	0.984	23.00	0.906	49	49/98	48.00	1.890	49.00	1.929	47.00	1.850
								50	50/100	49.00	1.929	50.00	1.969	48.00	1.890

* Position 2 not available with Guide posts.