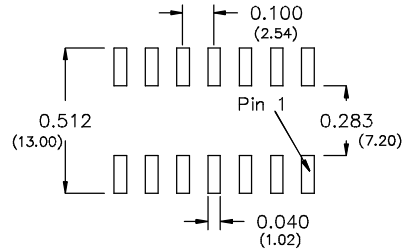
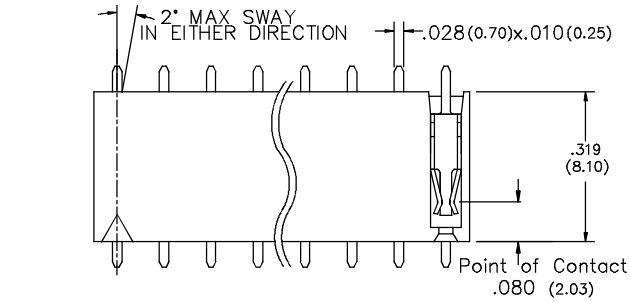
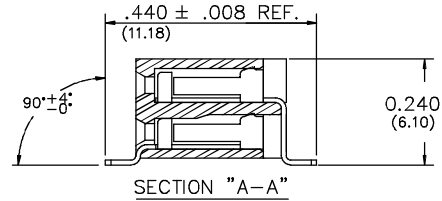
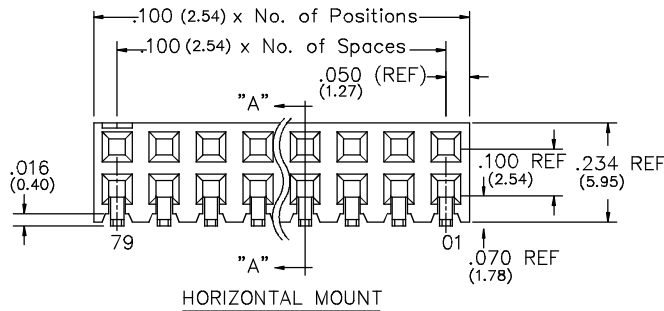


Major League Electronics .100 cl Surface Mount Box Contact - Horizontal



Recommended P.C. Board Layout



Tails may be clipped to achieve desired pin length

Ordering Information

SMBC-1 - D - 02 - - H - - - LF

Pins Per Row
02 - 40

Row Specification
D = Dual Row

Surface Mount

Lead Free

Packing Information

TR = Tape and Reel (Per EIA-481 specifications)

TB = Tube

If left blank, packaging at MLE's discretion

Pad may be metal, mylar or plastic

Polarized Position

Leave blank if not needed

If required, specify empty pin position, e.g. 012 for Pin 12

Horizontal

Plating Options		
30µ Gold on Contact Area / Matte Tin on Tail	H	
Matte Tin all Over	T	
10µ Gold on Contact Area / Matte Tin on Tail	GT	
10µ Gold on Contact Area / Flash on Tail	G	
Gold Rash over Entire Pin	F	

Specifications

Insertion Depth: .145 (3.68) to .250 (6.35)

Insertion Force - Per Contact - H Plating:

5oz. (1.39N) avg with .025 (0.64mm) sq. pin

Withdrawal Force - Per Contact - H Plating:

3oz. (0.83N) avg with .025 (0.64mm) sq. pin

Current Rating: 3.0 Ampere

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

Contact Resistance: 20 mΩ Max.

Operating Temperature: -40°C to + 105°C

Max. Process Temperature:

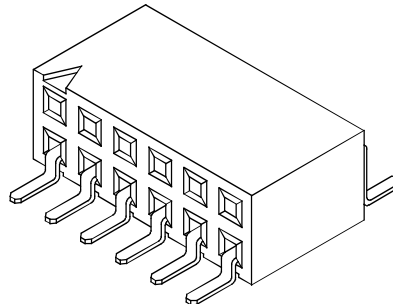
Peak: 260°C up to 20 secs.

Process: 230°C up to 60 secs.

Wave: 260°C up to 6 secs.

Reflow: 260°C up to 10 secs.

Manual Solder: 350°C up to 5 secs.



Mates with:

BSTC, TSHCR,
 BSTCM, TSHCRE,
 BSTCR, TSHCRSM,
 BSTCRSM, TSHR,
 BSTS, TSHRE,
 LBSTCM, TSHS,
 LTSHCR, TSHSCM,
 LTSHCRE, TSHSM,
 LTSHR, ULTSHSM,
 LTSHRE, ULTSHC,
 LTSHSM, ULTSHCR,
 TSHC,

Materials

Contact Material: Phosphor Bronze

Insulator Material: Nylon 6T

Plating: Au or Sn over 50µ" (1.27) Ni

Products cut to specific sizes are uncancellable/nonreturnable

Parts are subject to change without notice

SMBC-1-DH SERIES

Surface Mount Box Contact - Horizontal

29 JAN 07

Scale
NTS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES (MM)
TOLERANCES ARE:

ONE PLACE DECIMALS ±.100
 TWO PLACE DECIMALS ±.010
 THREE PLACE DECIMALS ±.005
 FOUR PLACE DECIMALS ±.0020

ANGLES
±5°

Major League
ELECTRONICS

4235 Earnings Way, New Albany, Indiana, 47150, USA

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E-mail: mle@mlelectronics.com

Web: www.mlelectronics.com

Revision
F

Sheet
1/2

Revisions

Revision B - (15 JAN 09)

Amendment to footprint dimension has changed from .428 to .470, resulting change to the PCB layout dimension .480 changed to .509

Revision C - (04 MAR 10)

Amendment to footprint dimension has changed from .470 to .522, resulting change to the PCB layout dimension .509 changed to .590

Revision D - (09 DEC 10)

Amendment to footprint dimension has changed from .522 to .470 resulting in change to the PCB layout dimension .590 changed to .512

Pins per row changed from 01-40 to 02-40

Insulation Resistance changed from 5000M Ω Min. to 1000M Ω Min.

Dielectric Withstanding changed from 500V AC to 600V AC.

Profile Height changed from .225 to .240

Details on the top face removed

Revision E - (11 SEPT 12)


Amendment to footprint dimension to .437

Revision F - (25 March 13)

Added EIA-481 Note

Products cut to specific sizes are uncancellable/nonreturnable

Parts are subject to change without notice

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (MM) TOLERANCES ARE: ONE PLACE DECIMALS \pm .100 TWO PLACE DECIMALS \pm .010 THREE PLACE DECIMALS \pm .005 FOUR PLACE DECIMALS \pm .0020 ANGLES #5	SMBC-1-DH SERIES	Surface Mount Box Contact - Horizontal	29 JAN 07	Scale NTS
		4235 Earnings Way, New Albany, Indiana, 47150, USA 1-800-782-3486 (USA/Canada/Mexico) Tel: 812-944-7244 Fax: 812-944-7268 E-mail: mle@mlelectronics.com Web: www.mlelectronics.com		Revision E Sheet 2/2