

ELECTRICAL:

CONTACT RESISTANCE:
 20 milliohms MAX at 1 amp. DC.
 INSULATION RESISTANCE:
 5,000 megohms MIN at 500VDC.
 DIELECTRIC WITHSTANDING VOLTAGE:
 800VAC/RMS at 60Hz for one minute.
 VOLTAGE RATING:
 800VAC/RMS at 60Hz.
 CURRENT RATING:
 1.0 amps. per contact.

MECHANICAL:

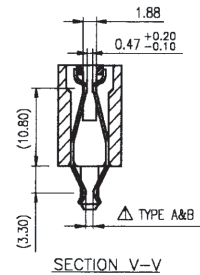
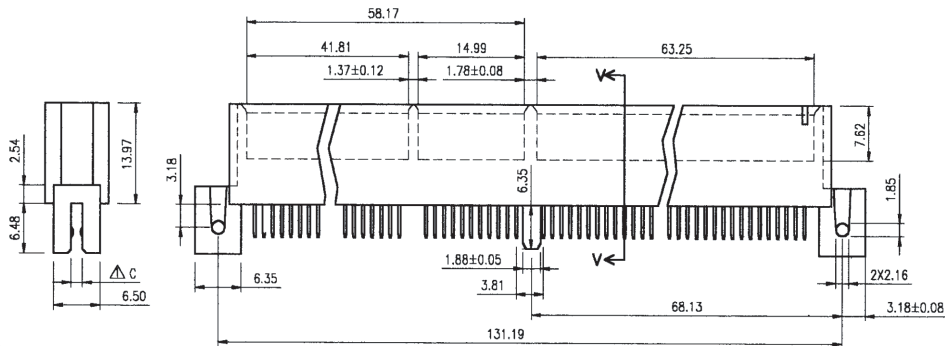
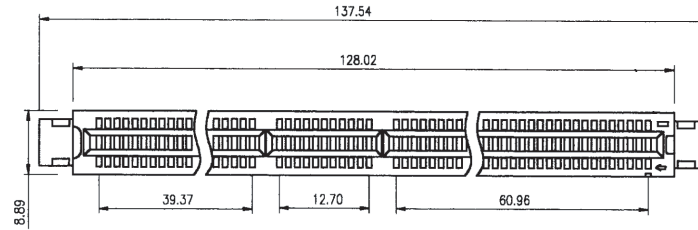
INSERTION FORCE: 230 grams MAX. per contact pair.
 WITHDRAWAL FORCE: 15 grams MAX. per contact pair.
 CONTACT RETENTION: 680 grams MAX. per contact pair.
 DURABILITY:
 200 mating/unmating cycles MIN. at flash gold over 0.76 micrometers MIN. of palladium/nickel
 50 mating/unmating cycles MIN. at flash gold plating;
 100 mating/unmating cycles MIN. at 0.38 micrometers MIN. gold plating;
 200 mating/unmating cycles MIN. at 0.38 micrometers MIN. gold plating.

ENVIRONMENTAL:

OPERATING TEMPERATURE: -55°C to +105°C
 HUMIDITY: per MIL-STD-1334A, method 1002.1, test condition B
 THERMAL SHOCK: per MIL-STD-1334A, method 1003.1, test condition A
 VIBRATION: per MIL-STD-1334A, method 2005.1, test condition II
 MECHANICAL SHOCK: per MIL-STD-1334A, method 2004.1, test condition C
 SALT SPRAY: 24 hours per MIL-STD-1334A, method 1001.1, test condition

MATERIAL:

INSULATOR:
 glass-filled thermoplastic (PPS/NYLON-66/PBT), UL-94V-0 rated.
 color-white, for PCI connector
 CONTACT:
 phosphor bronze, per ASTM-B103
 Mating area - selective gold over 1.27 micrometers MIN. of nickel,
 or flash gold over 0.76 micrometers MIN. of nickel
 Termination area - 2.54 micrometers MIN. of tin/lead over
 1.27 micrometers MIN. of nickel



HOW TO ORDER:

B 0 4 4 - 1 8 4 3 - 0 1 X - Z

NUMBER OF CONTACTS: 184

PCB MOUNTING: 3 - STRADDLE MOUNT TYPE B

SELECTIVE PLATING:
 6 - Au FLASH CONTACT AREA/TIN TAIL
 7 - 10u" Au CONTACT AREA/TIN TAIL
 8 - 15u" Au CONTACT AREA/TIN TAIL
 9 - 30u" Au CONTACT AREA/TIN TAIL

RoHS COMPLIANT

Rev	Drawn	Checked	Approved	Date
0 Issued	MDH	S.M.	S.M.	10/04/04
A Revised for RoHS Compliance	B.S.	S.M.	S.M.	07/07/08

SMP TECHNOLOGY, INC.

Card Edge Connector, 184 Position, 1.27mm Pitch.

Straddle Mount, Type B

TOL. DEC. .X +/- 0.25 .XX +/- 0.15 .XXX +/- 0.08 ANGLE +/- 0.50° UNIT: mm

P/N: B044-1843-01X-Z