



**TABLE 1**

DIMENSION NUMBER	A	B	C	D
550	5.90	4.00	1.00	2.00
551	6.20	4.00	0.35	2.00
552	6.50	4.00	0.45	2.00
553	6.20	4.00	0.55	1.50

\* OTHER DIMENSIONS AVAILABLE

**ELECTRICAL:**

CURRENT RATING: 1.5A  
 CONTACT RESISTANCE: 30mW Max.  
 INSULATOR RESISTANCE: 5000MW Min.  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000V AC FOR 1 MIN.  
 OPERATING TEMPERATURE: -40°C TO +105°C  
 MAX PROCESSING TEMPERATURE: 230°C FOR 30-60 SEC (260°C FOR 10 SEC)

**MATERIAL:**

INSULATOR OPTIONS: PBT & 30% Glass Fiber UL94V-0  
 NYLON 6T UL94V-0 ( 260 C Rated - 10 Sec) - Add R to Part Number  
 CONTACT: Copper Alloy  
 PLATING: Gold and/or Matte Tin over 50 Microinches Nickel

**HOW TO ORDER:**

**H**   **B**   **1**   **2**   -   **X**   **X**   **X**   **X**   -   **X**   **X**   **X**   **X**   -   **Z**   **R**

**CONTACT MATERIAL:**  
 1 - COPPER ALLOY

**DIMENSION NUMBER:**  
 SEE TABLE 1

**NUMBER OF ROWS:**  
 2 - DOUBLE ROW

**POST OPTION:**  
 0 - w/OUT POST  
 1 - w/POST

**NUMBER OF CONTACTS:**  
 01 thru 98  
 A0=100

**PLATING OVERALL:**  
 0 - Full Tin  
 1 - Full Au Flash  
 3 - 10u" Au  
 4 - 15u" Au  
 5 - 30u" Au

**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

**PACKAGING:**  
 0 - Bag Pack  
 1- W/Out Cap in Tube  
 2- With Cap in Tube  
 3 - With Cap/ Tape & Reel

**RoHS COMPLIANT**

**IR REFLOW COMPATIBLE 260°C**

Rev	Drawn	Checked	Approved	Date
0	A.M.	S.M.	S.M.	07/21/03
A	B.S.	S.M.	S.M.	5/22/07
B	B.S.	S.M.	S.M.	09/03/14

**SMP TECHNOLOGY, INC.**

SCALE:n/a

Pin Header, 2.00mm PITCH, Double Row, Surface Mount

TOL. DEC.    .X +/- 0.35    .XX +/- 0.25    .XXX +/-    ANGLE +/- 5°    UNIT: mm

SERIES: HB12-XXXX-XXXX-ZR