


RECOMMENDED PCB LAYOUT (TOP VIEW)  
 $T = 1.20\text{mm}$  TOLERANCE:  $\pm 0.05\text{mm}$

SPECIFICATION:

1. MATERIAL AND FINISH SEE THE TABLE.
2. MECHANICAL CHARACTERISTICS
  - 2.1. INSERTION FORCE: 44.1N MAX
  - 2.2. EXTRACTIO FORCE: 9.8N MIN, 39.2N MAX
  - 2.3. MATING CYCLE: 10000 CYCLES
3. ELECTRICAL CHARACTERISTICS
  - 3.1. RATING CURRENT: 0.5A
  - 3.2. RATING VOLTAGE: 40V
  - 3.3. CONTACT RESISTANCE: 30 MILLOHMS OHMS MAX (EXCLUDING CONDUCTOR RESISTANCE)
  - 3.4. INSULATION RESISTANCE:
    - 3.4.1. UNMATED: 100M OHMS MIN AT 500 VDC
    - 3.4.2. MATED: 10M OHMS MIN AT 150 VDC
  - 3.5. DIELECTRIC WITHSTANDING VOLTAGE:
    - 3.5.1. 300V AC(RMS) (MATED);
    - 3.5.2. 500V AC(RMS) (UNMATED)
4. FOR REFLOW SOLDERING LEAD FREE PROCESS
5. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: 
6. PACKAGING: TAPE & REEL.

D	CONTACT	19	COPPERY ALLOY	G/F ON CONTACT AREA, TIN ON TAIL AND IN UNDERPLATED
C	SHEET	1	METAL	NI PLATED
B	COVER	1	HIGHT TEMPERATURE PLASTIC	BLACK
A	HOUSING	1	HIGHT TEMPERATURE PLASTIC	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES				
 Singatron Enterprise Co., Ltd. 信登企業股份有限公司				
DECIMALS: ANGLES:				
X	:±0.5	X	:±2°	
X X	:±0.3	X X	:±1°	
X XX	:±0.2			
TITLE HDM-A/F RIGHT ANGLE TYPE RECEPTACLE				
DMW	WZJ	13/11/15	PART NO. ZHB2103-000111P	
CHKD	Wes	13/11/15	SCALE 4:1	UNIT: mm
APVD	L000	13/11/15	SIZE: A3	SHEET: 1 OF 1
REV: A				
CUSTOMER COPY				

REV	EGN NO	OR DESCRIPTION	REVISED	DATE
A		PRODUCT RELEASE	WZJ	2013.10.30