



RECOMMENDED PCB LAYOUT

Unless otherwise specified tolerance:

X.	±0.50	X.°	±3°
.X	±0.38	.X°	±2°
.XX	±0.25		

#### Performance characteristics:

##### 1.Main body part material

Insulator: LCP NATURE COLOR UL94V-0

Contact terminal: Phosphor Bronze, Ni 1.27μm Min. Underplated over all.  
mate area plating see part number rule, Sn plated at tail

##### 2.Electrical requirements:

Contact resistance: ≤50 mΩ

Insulation resistance: ≥1000 MΩ

Withstanding voltage: 1000 Vr.m.s, 1mA, 60s

##### 3.Mechanical requirements

Insertion force: ≤0.45N/pin

Extraction force: ≥0.15N/pin

##### 4.Environment specification

Working temperature: -55℃~+125℃

##### 5.Applicable standard: IEC61076-4-104

##### 6.Packing & storing

Method of packing: small box, inner box, outer box

Storing condition: temperature of -10℃~+40℃

below 80% relative humidity

##### 7.Style of installation: Press-fit pcb installation

##### 8.To prevent the pollution of the environment product info

RoHS agreement: In line with the european union RoHS

Series code		Model code		Contact pattern code		Tail length code		Plating code		Insulator material&color	
52		5x12		0		1		7		N	
		Definition		Definition		Definition		Definition		Definition	
		5x12		Non Definition		A=2.73		Au 0.38μm		LCP Nature UL94V-0	
						A=3.53		Au 0.76μm		X	
								PdNi 0.38μm+Gold flash		Customized	
								PdNi 0.76μm+Gold flash			
								Customized			

HM1 Series 2mm Signal Right Angle Female Press fit Connector (5x12)					SL0.1792.005			
Mark	NO.	File NO.	Signature	Date	Projection	Rev.	Weight	Scale
DRAW	CHK	MAN	STD	APP	Sheet 1			
1792-520-XX-X					1 of 1			
					SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.			