



RECOMMENDED PCB LAYOUT

Performance characteristics:

1. Main body part material

Insulator: LCP NATURE COLOR UL94V-0

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

2. Electrical requirements:

Contact resistance: ≤ 50 m Ω

Insulation resistance: ≥ 1000 M Ω

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

3. Mechanical requirements

Insertion force: ≤ 0.45 N/pin

Extraction force: ≥ 0.15 N/pin

4. Environment specification

Working temperature: -55 $^{\circ}$ C ~ +125 $^{\circ}$ C

5. Applicable standard: IEC61076-4-104

6. Packing & storing

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

Storing condition: temperature of -10 $^{\circ}$ C ~ +40 $^{\circ}$ C

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

1792 - 42 0- X X - X

Series code		Model code		Contact pattern code		Tail length code		Plating code			Insulator material&color	
Code	Definition	Code	Definition	Code	Definition	Code	Definition	Code	Definition		Code	Definition
42	4x12	0	Non Definition	1	A=2.73	7	Au 0.38 μ m	Sn	Contact plating		N	LCP Nature UL94V-0
				2	A=3.53	8	Au 0.76 μ m		Tail plating		X	Customized
						E	PdNi 0.38 μ m+Gold flash					
						F	PdNi 0.76 μ m+Gold flash					
						X	Customized					

Mark					HMI Series 2mm Signal Right Angle Female Press fit Connector (4x12)		SL0.1792.002			
NO.	File NO.	Signature	Date				Projection	Rev.	Weight	Scale
1	SN-00000532	刘华玉	2012.03.24					A1		
DRAW	Alan 2010.02.02						Sheet 1 1 of 1			
CHK										
MAN										
STD										
APP										

Unless otherwise specified tolerance:

X.	± 0.50	X.°	$\pm 3^{\circ}$
.X	± 0.38	.X°	$\pm 2^{\circ}$
.XX	± 0.25		