

H-Pin®

冲压式触点技术



H-Pin® 是一种冲压式弹簧探针,它不仅具有弹簧探针的机械、电气和热性能,还具有冲压式触点技术的易用性和方便批量生产的特点。H-Pin® 适用于各种应用场景,并兼顾成本和性能,即在满足性能要求的情况下,无需提高成本。

卓越的机械与电气性能

利用批量铍铜冲压技术,结合不锈钢弹簧的机械行程能力, H-Pin® 可实现高达 0.70mm 的工作范围,且具备扁平弹簧刚度,可在高达 15GHz 的频率下使用,损耗仅为 -1.0dB。它不仅能承载高达 4A 的电流,而且还能承受 200°C 的高温。

批量冲压技术与质量控制

从第一根探针到一百万根探针,它们都具备相同的高品质特性。由于我们采用了自动化 H-Pin® 制造工艺,您将是第一个与您的探针直接接触的人。

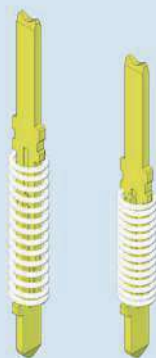
稳健的接触解决方案,
适用于老化测试、编程
和系统级应用领域。

优势

- 符合大封装翘曲度要求
- 提供稳定的接触电阻和接触力
- 具备稳定的电性能
- 高温 (200°C) 合规
- 通过了相关板级系统评估与测试
- 可靠的电源与接地连接
- 库存充足,交货期更短
- 批量生产能力、高品质质量控制及易用性

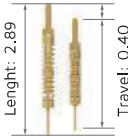
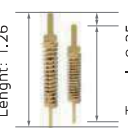
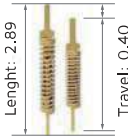
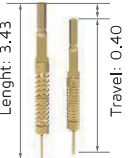
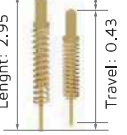
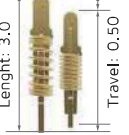
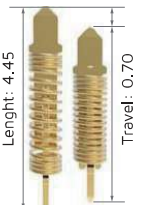
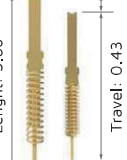
特征

- 0.40mm至0.70mm的行程
- 扁平弹簧刚度
- 铍铜H-Pin®
- 不锈钢芯弹簧
- 带宽-1dB@15 GHz
- 载流能力
- 批量冲压
- 卷带式探针插装



H-Pin® 细节展示,完全压缩状态 (图)

现货标准H-Pin®

型号		
LGA	H027  DUT侧  PCB侧  Lenght: 2.89 Travel: 0.40	
	H027LL1A	
BGA	T033  DUT侧  PCB侧  Lenght: 1.26 Travel: 0.25	
	T033LT1A	
H033	H033  DUT侧  PCB侧  Lenght: 2.89 Travel: 0.40	
	H033LL2A	
BGA	H027WL1A  DUT侧  PCB侧  Lenght: 3.43 Travel: 0.40	
	H033DL2A	
LGA	H038  DUT侧  PCB侧  Lenght: 2.95 Travel: 0.43	
	H038LL1A	
H057	H057  DUT侧  PCB侧  Lenght: 3.0 Travel: 0.50	
	H057LL1A	
H077	H077  DUT侧  PCB侧  Lenght: 4.45 Travel: 0.70	
	H077LL1A	
BGA	H038DL1A  DUT侧  PCB侧  Lenght: 3.86 Travel: 0.43	
	H057DL1A	
H077DL1A	H077DL1A  DUT侧  PCB侧  Lenght: 5.69 Travel: 0.70	

尺寸单位为毫米

技术规格表

	H027	T033	H033	H038	H057	H077
最小间距(毫米)	0.35	0.40	0.40	0.50	0.70	1.00
引脚尺寸(毫米)	0.27	0.33	0.33	0.38	0.57	0.77
应力范围 (gF)	8.2	8.6	14.5	30.9	30	34.9
接触电阻 (mΩ)	<65	<35	<50	<35	<30	<16
额定电流 (A, 自然环境)	0.5	1.8	1.8	2.9	3.0	4.0
带宽 -1dB (GHZ)	24.7	50.0	31.7	15.7	18.1	21.9
自感应 (nH)	0.92	0.28	0.75	0.88	0.95	1.04

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