

REV	DESCRIPTION	DATE	BY
A	NEW DRAWING	02/08/05	M.W.

SKT2225

**Applications**

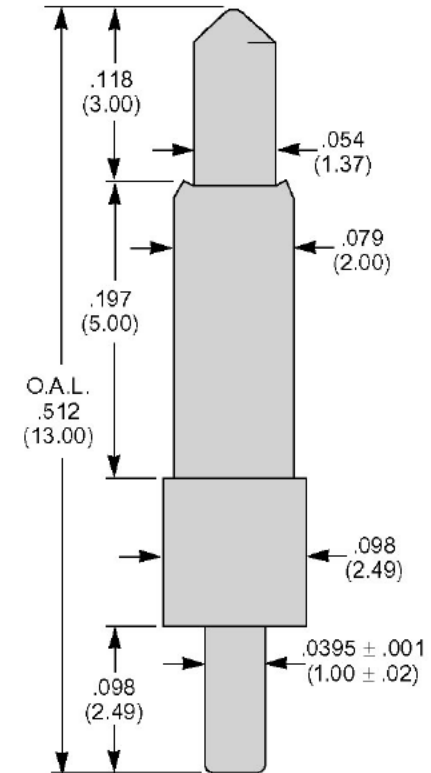
EMULATION probes are used in battery charger or electronic device applications such as:

1. Camcorders
2. Circuit board to board docking stations
3. Cellular Phones
4. 2-way radios
5. Computer docking stations
6. Cordless phones
7. Chargers
8. InkJet Printers
9. Notebook and laptop computers
10. AC/DC power supplies

**Benefits and Features:**

1. Low resistance (average 16 milliohms)
2. Better contact than nickel-plated strip contacts
3. Maintains high compliancy
4. Less susceptible to damage
5. Can accommodate up to .025" subsurface battery mating contact
6. Longer life than conventional interconnects

**Notes:** Consult factory for higher temperature applications.



Probe Specifications		
<b>Mechanical</b>		
Full Travel:	.110 (2.79)	
Recommended Travel:	.060 (1.52)	
Mechanical Life Exceeds:	250 x10 <sup>6</sup> cycles	
<b>Operating Temperature:</b> -55°C to +85°C Consult factory for other temperature requirements.		
<b>Electrical (Static Conditions)</b> 5 amps d.c. max Maximum Current Rating (Non-inductive DC)		
Average Probe Resistance	30 mΩ	
<b>Materials and Finishes</b>		
Plunger:	Hard nickel over beryllium copper, gold plated	
Barrel:	Gold plated Hard nickel over brass	
Spring:	Standard: Beryllium copper, silver plated Alternate: Music wire	
Mounting Hole Size:	.043 (1.09) min	
<b>Spring Force in oz. (grams)</b>		
Spring Type	Preload	Recommended Travel
Standard	0.40 (11.35)	1.14 (32.35)
Alternate	1.0 (28.38)	3.0 (85.13)
Tip Styles	B	
<b>Termination</b>		

Length	13.0mm	Plunger D
Pitch	2.65mm	(Single Plunger)

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED



**Emulation Technology, Inc.**

VLSI and SMT ADAPTERS and ACCESSORIES

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SHEET: 1 OF 1	DATE: 2/08/05	REVISION:	<b>ASSEMBLY DRAWING</b>
CHECKED: Perry Munroe	DRAWN: Mark Wilson	ITEM: POGO-PIN-13.0-1	
DO NOT SCALE DRAWING			DESCRIPTION: POGO-PIN-13.0-1