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REVISION DATA

REV	DESCRIPTION	DATE
A0	NEW DRAWING	2010-08-18

Technical drawing of a 168-pin PGA socket. The top view shows a rectangular array of 168 pins with dimensions: overall width 43.72±0.30mm, overall height 40.64±0.15mm, pin pitch 2.54mm, and a central square area of 27.70mm x 27.70mm. The side view shows a pin length of 12.20±0.20mm, a pin diameter of 0.43mm, and a pin-to-pin spacing of 3.00mm. A circular detail shows a hole diameter of 1.68mm and a hole-to-hole spacing of 4.60±0.20mm. A large 'ANYCONN' watermark is overlaid on the drawing.

## Technical Data

**Material:**  
 Pin(outer sleeve): Brass,machined CuZn38Pb2  
 Clip(contact 6 finger): Beryllium copper,heat treated  
**Plating(outer sleeve):**  
 Tin plated:200μ"Sn  
**Plating(contact):** Gold Flash  
 Insulator black(housing): PPS (UL94V-0)

**Electrical:**  
 Current rating: 3Amps/contact max.  
 Contact resistance: ≤4mΩ/contact  
 Insulation resistance: ≥1000MΩ at V=100V  
 Operating voltage: 60VAC/DC

**Mechanical:**  
 Average insertion force with steel pin of  
 Ø0.43mm/0.17": <75g  
 Average withdrawal force with steel pin of  
 Ø0.43mm/0.17": >25g min.  
 Mechanical life cycle:min.200  
 Operating temperatures: Gold Plated:-55°C to+105°C  
 Tin plated:-40°C to+105°C  
 Soldering temperature: +260°C,10s max

PGA

168	2	2	X	00	1220A	1	A	00
No. of Positions 168 168Positions	Pitch(mm) 1 1.27mm 2 2.54mm 3 1.27/2.54mm 4 1.0mm S Special	Insulator type 1 FR-4 2 PPS S Special	Pin plated 0 No 1 Tin120μ" 锡 2 Tin200μ" 锡 3 Gold0.4μ" 金 4 Gold0.8μ" 金 5 Gold1μ" 金 6 Gold1.5μ" 金 7 Gold2μ" 金 8 Gold3μ" 金 9 Gold5μ" 金 A Gold8μ" 金 B Gold10μ" 金 C Gold15μ" 金 D Gold30μ" 金 E Ag plated F Nickel 80μ"	Clip Plated 00 No 1 Tin120μ" 锡 2 Tin200μ" 锡 3 Gold0.4μ" 金 4 Gold0.8μ" 金 5 Gold1μ" 金 6 Gold1.5μ" 金 7 Gold2μ" 金 8 Gold3μ" 金 9 Gold5μ" 金 A Gold8μ" 金 B Gold10μ" 金 C Gold15μ" 金 D Gold30μ" 金 E Ag plated F Nickel 80μ"	Pin length(mm) 1220A 12,20mm 0485A 4,85mm 0515A 5,15mm 0550A 5,50mm 0740A 7,40mm S Special	Insulator Color 1 Black黑色 2 Brown褐色 3 White白色 4 Yellow黄色 S Special	Insulator type A/B/C A 开内方孔	Series

# ANYCONN® 东莞市恩康电子有限公司

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DONGGUAN ANYCONN ELECTRONICS CO.,LTD

TOLERANCE	PROJECTON	TITLE:
ANGLE ±5°	DATE : 2010-08-18	2.54mmPitch PGA Socket 168 Pins Pin Length 7.43mm
X.XXX ±0.05	DRAWN : JASON	PART NO: PGA16822X001220A1A00
X.XX ±0.15	CHECKED :	DRAWING NO: EP-PGA-029
X.X ±0.35	APPROVED :	REV: A0 UNIT: mm SCALE: 2:1 SIZE: A4
X. ±0.50		

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