

INTRODUCTION

INNER CLIP

The inner clip consists of 4 Leaf Springs, stamped and rounded to take strip/round male contacts at the bottom edge, facilitating lower insertion force, but high withdrawal force. This is an essential requirement for high density contact connectors. The contact engagement in this design is a sliding contact action, while disengagement is a recoiling action on male contacts. Contacts with lower insertion force can be made by using 6 leaf springs mostly for PGA Type Sockets.

OUTER SLEEVE

The outer sleeve is a machined enclosure, open at one end for insertion of Leaf Spring & the other end closed. The sleeve can be produced with different types of terminations. The closed end on termination side helps in elimination of solder flux wicking action during soldering process. The Leaf Springs are therefore protected against the damaging influences of the cleaning flux like corrosion, contact contamination & open contacts (created by solidification of flux on the mating areas which becomes an Insulating medium).

PLATING & FINISH

Inner Clip & Outer Sleeve can be separately plated to match different requirements of users. Popular plating of leaf spring is gold while that of the sleeve is tin. Tin plated leaf spring & sleeve can also be offered as a cost saving option, depending on the user's requirement.

INSULATORS

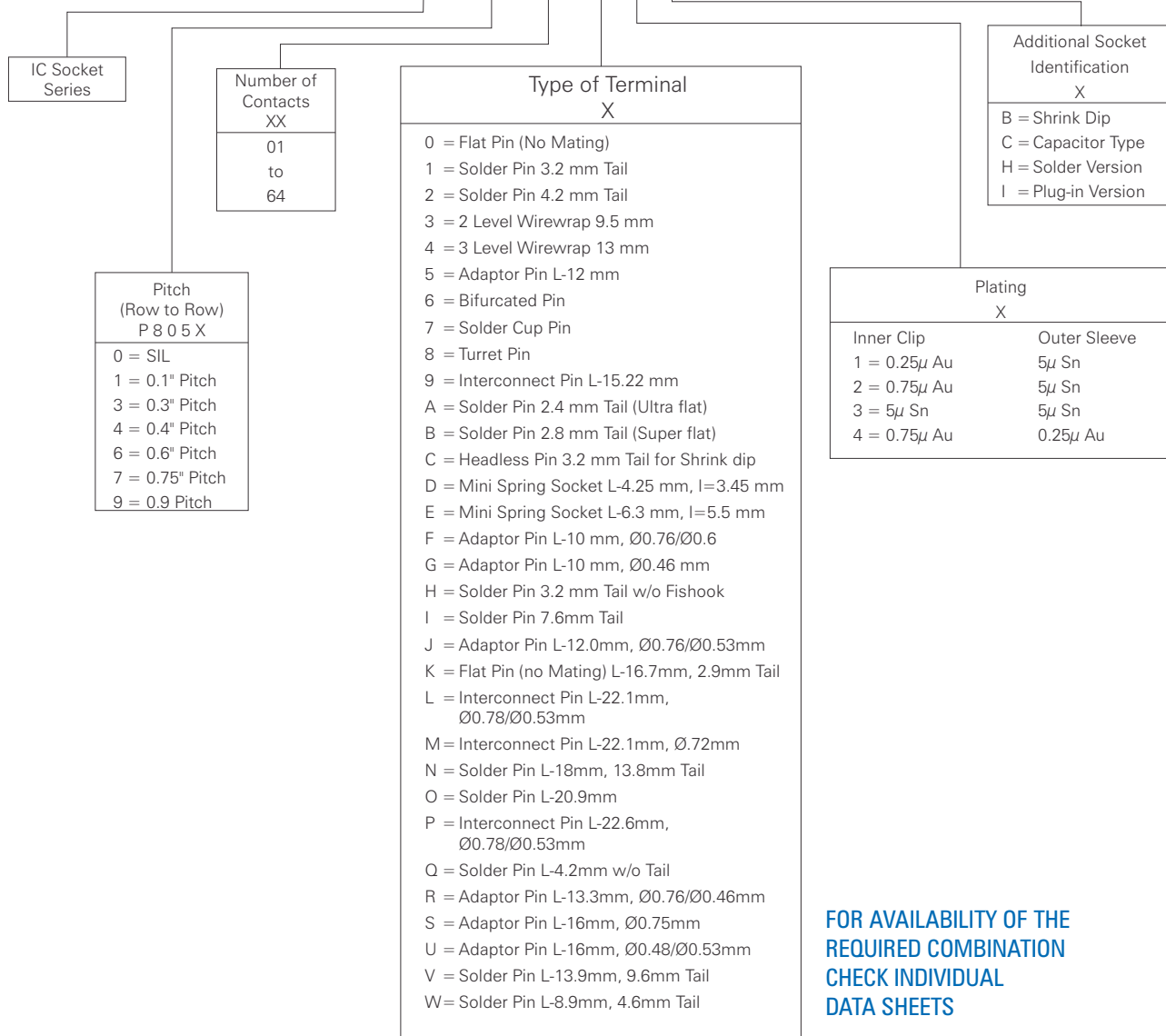
Sockets can be moulded using the latest electronic grade insulating materials like Polyester, Polyphenylenedene Sulphide etc., meeting flammability grades 94V-0. For certain applications Glass Epoxy Sheets are also recommended as insulators, where interconnects between contacts has to be laid inside the layers eg. in Conversion Sockets.

ORDERING INFORMATION

To enable our customers to order our products easily and without error, we have designed this ordering code with great care, to help you to easily arrive at the code without any difficulty.

Supposing you want to order a IC Socket, 0.6" Pitch, 28 Pin, 3.2 mm tail length, Inner contact gold plated 0.25 μ , Outer sleeve tin plated 5 μ , Capacitor type then the Part Number will be

P80562811C
P805XXXX



**FOR AVAILABILITY OF THE
 REQUIRED COMBINATION
 CHECK INDIVIDUAL
 DATA SHEETS**

TECHNICAL SPECIFICATIONS FOR IC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled polyester, self extinguishing, rated UL94 V-0
Outer Sleeve	Screw machined brass, plated 0.25 micron gold or 5 micron Tin - lead over nickel plate
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass or phosphor bronze Plated 0.25 microns gold or 5 microns Tin over nickel plate

Mechanical Properties

Mechanical life	:	50 cycles
Insertion force	:	Average insertion force with steel pin dia 0.41 = < 2 N (0.2 Kg)
Extraction force	:	Average withdrawal force with steel pin dia 0.41 = > 0.5 N (0.05 Kg)

Type of Clip

4 Finger stamped contact		
Minimum insertion depth	:	2.6 mm
Maximum insertion depth	:	3.6 mm

Electrical Properties

Rated current	:	1 A
Rated voltage	:	100 V AC
Voltage proof	:	600 V AC
Contact Resistance	:	≤20 m ohms.
Insulation resistance	:	≥5000 M ohms @ 500 V DC
Capacitance	:	0.3Pf Max. (1Pf for shrink dip series)

Environmental Properties

Operating temperature range	:	-65°C, +125°C
Resistance to soldering heat	:	+260°C, 10 seconds
Environment category	:	65 / 125 / 21

PIN LAYOUT

<p>0 = Flat Pin</p>	<p>1 = Solder Pin 3.20mm Tail</p>	<p>2 = Solder Pin 4.20mm Tail</p>	<p>3 = 2 Level W/W 9.5mm</p>
<p>4 = 3 Level W/W 13mm</p>	<p>5 = Adaptor Pin</p>	<p>6 = Bifurcated Pin</p>	<p>7 = Solder Cup Pin</p>
<p>8 = Turret Pin</p>	<p>9 = Interconnect Pin</p>	<p>C = Headless Pin 3.2mm Tail</p>	

PIN LAYOUT - PGA SOCKETS

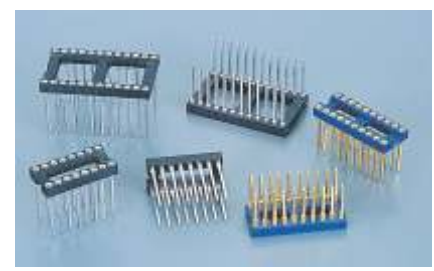
<p>D = 3.2mm Tail PGA Pin</p>	<p>E = 4.2mm Tail PGA Pin</p>	<p>F = 13mm PGA W/W</p>	

DUAL IN - LINE SOCKETS WIRE WRAP 2, 3 LEVEL

OPEN FRAME

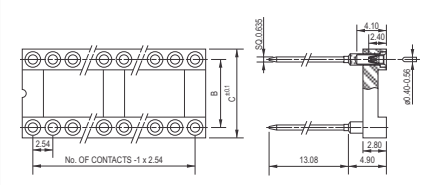
Features

- End to end, side to side stackable
- No solder vicking
- Lead spacing 2.54 mm
- 2 & 3 level Wirewrap
- Stands 4.9 mm on PCB



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	X Plating Outer Sleeve
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	3 = 2 level W/W 9.52 mm 4 = 3 level W/W 1.3 mm	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn 4 = 0.75 μ Au	5 μ Sn 5 μ Sn 5 μ Sn 0.25 μ Au
B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm	
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 24 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX	

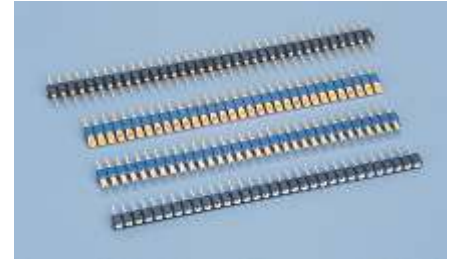


B: Pitch Row to Row
C: Total Socket Width

SINGLE IN - LINE SOCKETS

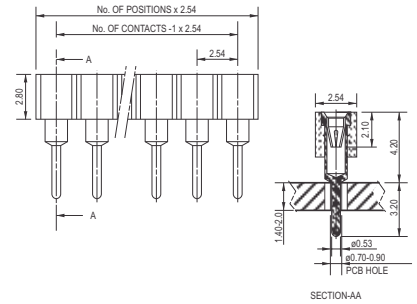
Features

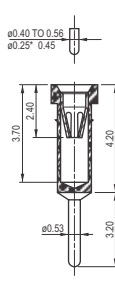
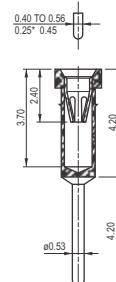
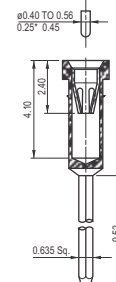
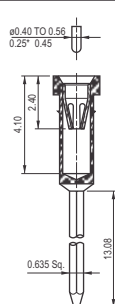
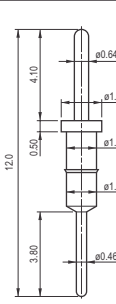
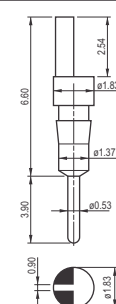
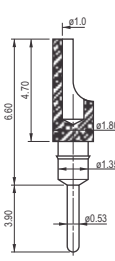
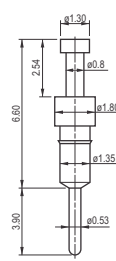
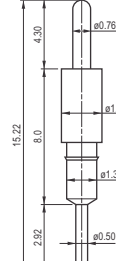
- Can be cut easily into required sizes
- Lead spacing 2.54mm
- Easy to stack
- Available in specific length



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	X Plating Outer Sleeve
P805	0 = SIL	01 to 64	1 = Solder Pin 3.2 mm tail 2 = Solder Pin 4.2 mm tail 3 = 2 Level Wirewrap 4 = 3 Level Wirewrap 5 = Adaptor Pin 6 = Bifurcated Pin 7 = Solder Cup Pin 8 = Turret Pin 9 = Interconnect Pin For other type of pins refer pg-51	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn 4 = 0.75 μ Au P - For 5 to 9 type of pin 1 = 5 μ Sn 4 = 0.25 μ Au	5 μ Sn 5 μ Sn 5 μ Sn 0.25 μ Au



		
1 = Solder Pin 3.20mm Tail	2 = Solder Pin 4.20mm Tail	3 = 2 Level W/W 9.5mm
		
4 = 3 Level W/W 13mm	5 = Adaptor Pin	6 = Bifurcated Pin
		
7 = Solder Cup Pin	8 = Turret Pin	9 = Interconnect Pin

DUAL IN - LINE ADAPTORS STANDARD SOLDER TAIL

OPEN FRAME

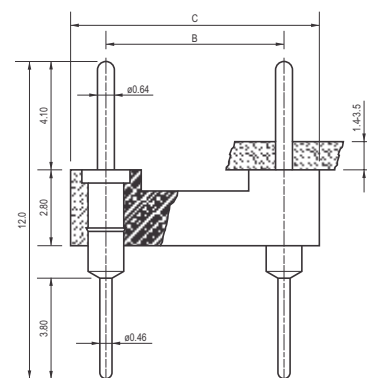
Features

- Straight solderable sockets with 0.46 mm
- For piggy back constructions
- Lead spacing 2.54 mm
- Also available with different pin lengths, on request



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Pin Plating
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	5 = Adaptor Pin 6 = Bifurcated Pin 7 = Solder Cup Pin 8 = Turret Pin 9 = Interconnect Pin For other type of terminals, refer pg-51	1 = 5 μ Sn 4 = 0.25 μ Au
	B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 10 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX



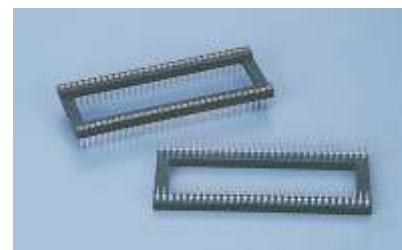
B: Pitch Row to Row
C: Total Socket Width

SHRINK DIP SOCKETS AND STRIPS SOLDER TAIL

OPEN FRAME

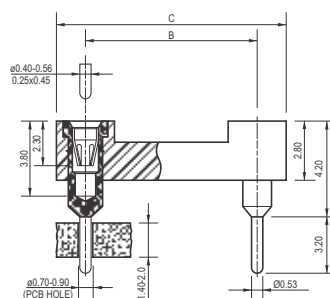
Features

- End to end, side to side, stackable
- No solder vicking
- Stands 4.2 mm high on PCB
- Open Frame
- Lead spacing 0.07" (1.778 mm)



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating		
				Inner Clip	Outer Sleeve	
P805	3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 7 = 0.75" Pitch	01 to 64	C = PC Pin 3.2 mm Tail	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5 μ Sn	5 μ Sn 5 μ Sn	B : Shrink Dip
	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 19.05 mm (0.75") C: 21.59 mm		
P8053 - 16 - XXB	P8054 - 28 - XXB P8054 - 30 - XXB P8054 - 32 - XXB P8054 - 48 - XXB	P8056 - 28 - XXB P8056 - 40 - XXB P8056 - 42 - XXB P8056 - 48 - XXB P8056 - 52 - XXB P8056 - 64 - XXB P8056 - 68 - XXB	P8057 - 64 - XXB			
			SINGLE ROW STRIPS P8050 - 21 - XXB			



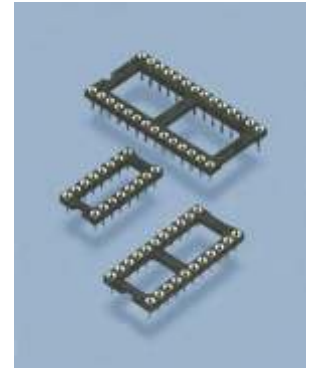
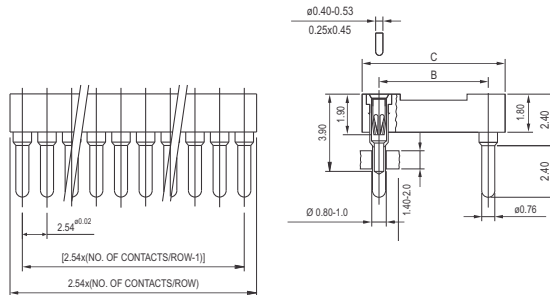
B: Pitch Row to Row
C: Total Socket Width

DUAL IN-LINE SOCKETS ULTRA FLAT

OPEN FRAME

Features

- Uses Ultraflat, open frame socket body
- 4 finger short clip
- Contact point at 1.9mm
- Ultraflat profile only
- Lead spacing 2.54mm
- Stands 2.4mm on PCB
- Hole drilled into solder tail to allow proper IC insertion
- Fits standard PC board holes



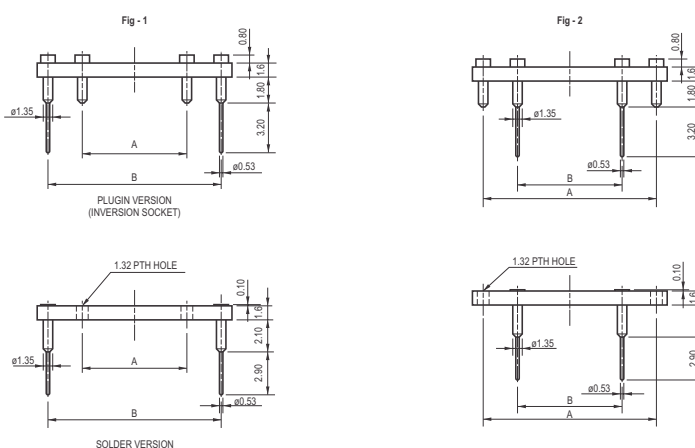
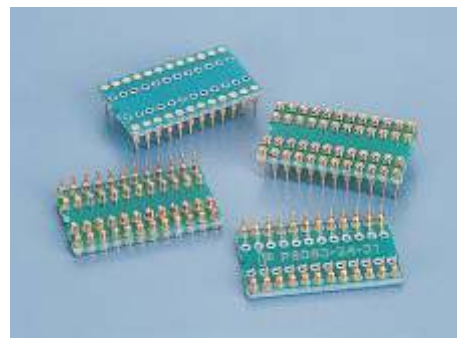
ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pin	X Inner Clip Plating	X outer sleeve Plating	D=Ultra Pin
P805	3=0.3" Pitch 4=0.4" Pitch 6=0.6" Pitch	01 to 64	A-Solder Pin 2.4mm Tail	1=0.25μ Au 2=0.75μ Au 3=5μ Sn 4=0.75μ Au	5μ Sn 5μ Sn 5μ Sn 5μ Sn	
B: 7.62mm (0.3") C: 10.1mm			B = 10.16mm (0.4") C = 12.6mm		B = 15.25mm (0.6") C = 17.7mm	
P8053-04-XXD P8053-06-XXD P8053-08-XXD P8053-10-XXD P8053-14-XXD P8053-16-XXD P8053-18-XXD P8053-20-XXD P8053-22-XXD P8053-24-XXD P8053-28-XXD			P8054-22-XXD P8054-24-XXD P8054-28-XXD P8054-32-XXD	P8056-24-XXD P8056-28-XXD P8056-32-XXD P8056-36-XXD P8056-40-XXD P8056-42-XXD P8056-48-XXD P8056-50-XXD P8056-52-XXD		

CONVERSION SOCKETS

Features

- Easy to stack
- Available to specific design
- Please specify dimensions A, B, C, D
- Lead spacing 2.54 mm
- IC can be Plug-in or Soldered
- Glass epoxy insulators
- Converts
 1. Lower row spacing DIL IC / s to higher row PC board.
 2. Higher row spacing DIL IC / s to lower row PC board.

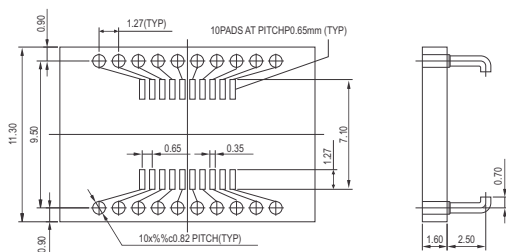


ORDERING INFORMATION

P805 Conversion Socket Series	X Row Conversion From B to A & A to B	XX Number of Contacts	X Type of Pins	X Plating		X
				Inner Clip	Outer Sleeve	
P805 Fig 2	0.3" to 0.6" = A	04 to 64	Ø 0 = Flat Pin (No mating) 1 = Solder Pin 3.2 mm Tail	1 = 0.25 µ Au	5 µ Sn	H = Solder Version
	0.4" to 0.6" = B			2 = 0.75 µ Au	5 µ Sn	
Fig 1	0.3" to 0.9" = C	04 to 64	1 = Solder Pin 3.2 mm Tail	3 = 5 µ Sn	5 µ Sn	I = Plug-in Version
	0.6" to 0.3" = D			4 = 0.75 µ Au	0.25 µ Au	
	0.6" to 0.4" = E			⌀ - For 0 type of pin 1 = 5 µ Sn 4 = 0.25 µ Au		
	0.9" to 0.3" = F					
	0.3" to 0.3" = G					

SOJ to SOWIC Adaptor

P805K-20-54S



DUAL IN - LINE SOCKETS METAL CARRIER

Specification

Same as IC Sockets

Material & Finish

Body : Brass
Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold-Plated

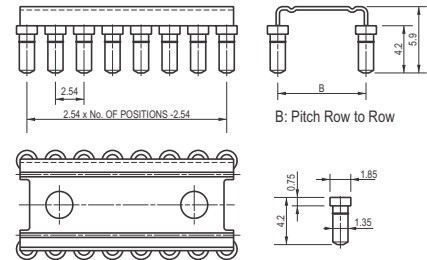
Features

- Excellent air-cooling of IC's
- Very low profile. Board can be drilled so that the contacts can be Inserted down to the shoulder leaving max. profile above board of 0.78mm
- Higher packaging density
- No flux intrusion after soldering



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	M Metal carrier	XX Number of Contacts	X Type of Pins	X Plating Inner Clip Outer Sleeve
P805	3 = 0.3" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	Metal carrier	01 to 64	1 = PC pin 3.2mm 2 = PC pin 4.2mm D= Mini Spring Skt, L- 4.25mm, l=3.45mm E= Mini Spring Skt, L- 6.3mm, l=5.5mm Q = Solder pin w/o tail (L-4.2mm)	1 = 0.25 μ Au 5 μ Sn 3 = 5 μ Sn 5 μ Sn
B: 7.62mm (0.3")		B: 15.24 mm (0.6")		B: 22.86 mm (0.9")m	
P8053 - 06 - XX		P8056 - 24 - XX	P8059 - 64 - XX		
P8053 - 08 - XX		P8056 - 28 - XX			
P8053 - 14 - XX		P8056 - 40 - XX			
P8053 - 16 - XX					
P8053 - 18 - XX					
P8053 - 20 - XX			Note: For further details, check with factory.		



MINI SPRING SOCKETS

P8040 Series

Specification

Same as IC Sockets

Material & Finish

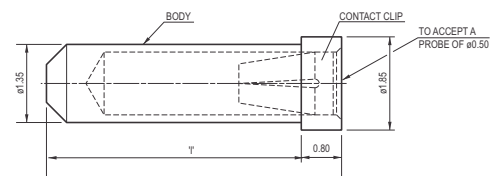
Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold Plated

Features

- ! Accepts mating pins of size $\varnothing 0.50 \pm 0.05$ mm
- ! Sockets are solder mount types
- ! Available in two lengths
- ! Mounting Hole Dia is $\varnothing 1.35 + 0/-0.02$ mm



Finish	Part Number	
	l = 3.45mm	l = 5.50mm
Tin Plated	P8040-19-32-0	P8040-19-32-L



TECHNICAL SPECIFICATIONS FOR PGA SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled thermoplastic polyester, self extinguishing, rated UL94 V-0 or Glass Epoxy Laminate
Outer Sleeve	Screw machined brass, gold or Tin plated
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass plated 0.25 microns gold or 5 microns tin - lead over nickel plate

Mechanical Properties

Mechanical life	:	50 Cycles (min)
Insertion force	:	Average insertion force with steel dia 0.41 = < 1 N (0.1 Kg)
Extraction force	:	Average withdrawal force with steel pin dia 0.41 = > 0.15 N (0.015 Kg)

Type of Clip

6 Finger stamped contact		
Minimum insertion depth	:	2.6 mm
Maximum insertion depth	:	3.6 mm

Electrical Properties

Rated current	:	1 A
Rated voltage	:	100 V AC
Voltage proof	:	600 V AC
Contact resistance	:	≤20 m ohms
Insulation resistance	:	≥5000 M ohms @ 500 VDC

Environmental Properties

Operating temperature range	:	-65° C, +125° C
Resistance to soldering heat	:	+260° C, 10 seconds
Environment category	:	65 / 125 / 21

PIN GRID ARRAY SOCKETS

SERIES PGA

Dimension with n_1 = number of contacts in one line ($5 \leq n_1 \leq 21$)
 and n_2 = characteristic size of the window ($3 \leq n_2 \leq 10$)

The dimensions can be calculated :

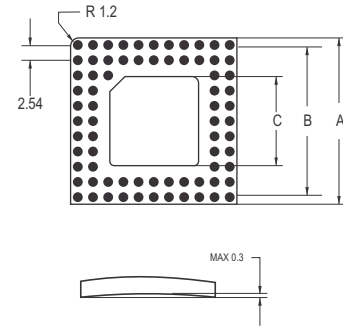
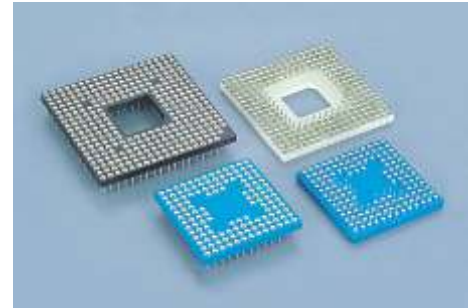
◆ For moulded polyester bodies	◆ For machined glass-epoxy bodies
$A = n_1 \times 2.54$	$A = n_1 \times 2.54 + 1.27$
$B = (n_1 - 1) \times 2.54$	$B = (n_1 - 1) \times 2.54$
$C = (n_2 \times 2.54) - 0.40$	$C = (n_2 \times 2.54) - 0.40$

Insulator thickness

◆ For moulded polyester bodies	◆ For machined glass - epoxy bodies
2.8 ± 0.3 mm	1.6 ± 0.1 mm

Features

- High density connecting devices for PGA Chips.
- Low contact insertion and withdrawal forces.
- Available in various pin grid sizes, pin counts & staggered versions.
- Any combination of pin grid & contact loading can be supplied.
- Insulator of glass filled thermoplastic or fiberglass epoxy available.
- With or without window.

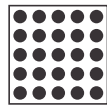
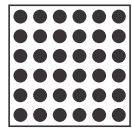
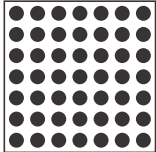
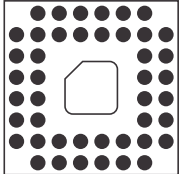
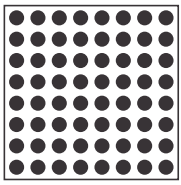
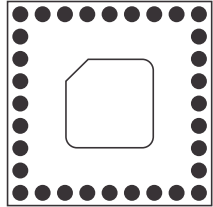
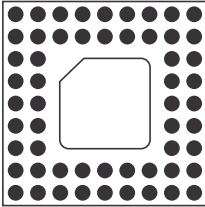
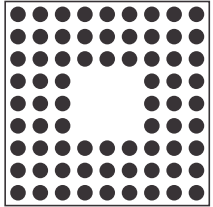
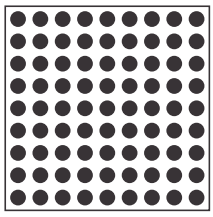
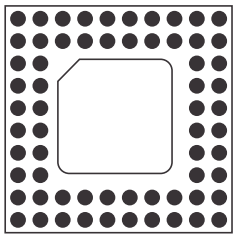
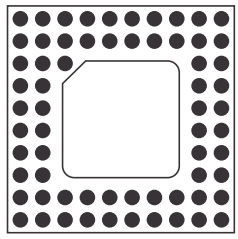
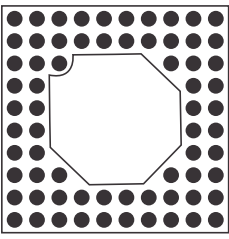
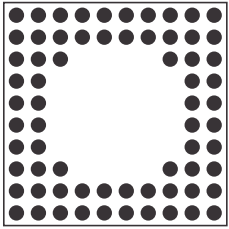
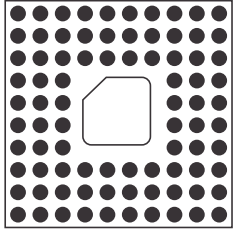
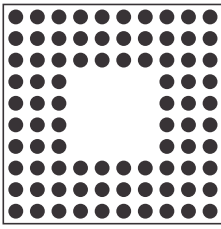
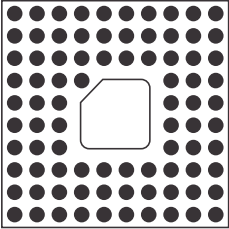


ORDERING INFORMATION

PX PGA Socket Series	XX Grid Size Spacing	XXX Number of Contacts	X Size of window	X Tail Type	X Plating	
					Inner Clip	Outer Sleeve
A - Grid Array SKT Polyester Insulator	05 = 5x5 06 = 6x6	025 to 999	A = No Window B C	A = Solder Pin 3 mm Tail, accepts $\varnothing 0.7 - \varnothing 0.8$ mm	1 = 0.25μ Au	5μ Sn
H - Grid Array SKT Glass Epoxy Insulator	07 = 7x7 08 = 8x8 09 = 9x9 10 = 10x10		D E For F Window	B = Interconnect Pin L=15.2 mm C = Interconnect Pin L=18.8 mm D = PGA Solder Pin 3.20mm Tail E = PGA Solder Pin 4.2 mm Tail	2 = 0.75μ Au	5μ Sn
F - Grid Array SKT Staggered contacts Glass Epoxy Insulator	11 = 11x11 12 = 12x12 13 = 13x13		G H refer I sheets	F = 3 level PGA w/w \varnothing G = Solder Pin 3.9 mm Tail 5 = Adaptor Pin \varnothing^*	3 = 5μ Sn	5μ Sn
G - Grid Array SKT Zig Zag type 1.6 mm thickness	14 = 14x14 15 = 15x15 16 = 16x16 17 = 17x17 18 = 18x18 19 = 19x19 20 = 20x20 21 = 21x21		J K L M		4 = 0.75μ Au	
				\varnothing - Not available on High Density staggered PGA Socket version	\varnothing^* - For type 5 pin 1 = 5μ Sn 4 = 0.25μ Au	

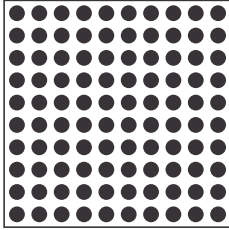
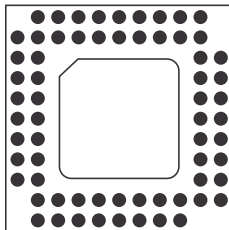
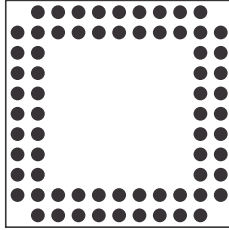
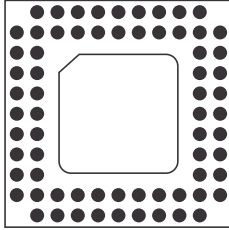
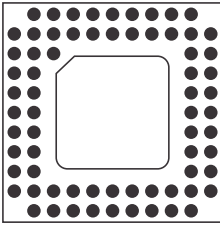
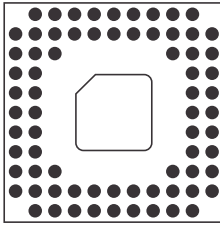
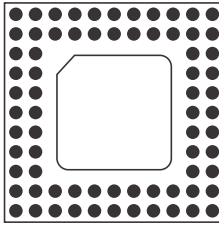
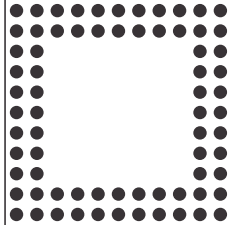
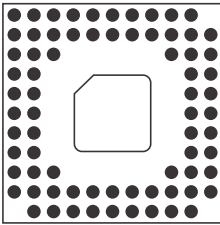
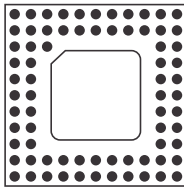
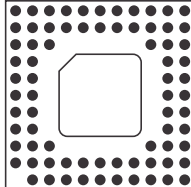
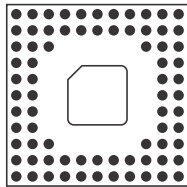
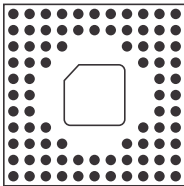
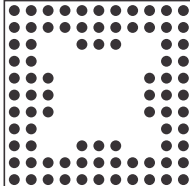
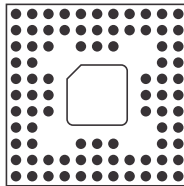
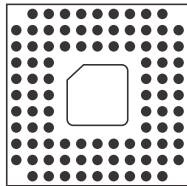
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>5 x 5 25 Pins</p> 	<p>6 x 6 36 Pins</p> 	<p>7 x 7 49 Pins</p> 	<p>8 x 8 44 Pins</p> 
PX - 05 - 025 - AXX	PX - 06 - 036 - AXX	PX - 07 - 049 - AXX	PX - 08 - 044 - BXX
<p>8 x 8 64 Pins</p> 	<p>9 x 9 32 Pins</p> 	<p>9 x 9 56 Pins</p> 	<p>9 x 9 72 Pins</p> 
PX - 08 - 064 - AXX	PX - 09 - 032 - CXX	PX - 09 - 056 - CXX	PX - 09 - 072 - AXX
<p>9 x 9 81 Pins</p> 	<p>10 x 10 64 Pins</p> 	<p>10 x 10 65 Pins</p> 	<p>10 x 10 68 Pins</p> 
PX - 09 - 081 - AXX	PX - 10 - 064 - DXX	PX - 10 - 065 - DXX	PX - 10 - 068 - OXX
<p>10 x 10 68 Pins</p> 	<p>10 x 10 84 Pins</p> 	<p>10 x 10 84 Pins</p> 	<p>10 x 10 85 Pins</p> 
PX - 10 - 068 - AXX	PX - 10 - 084 - BXX	PX - 10 - 084 - AXX	PX - 10 - 085 - BXX

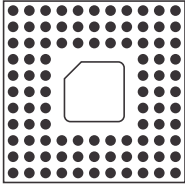
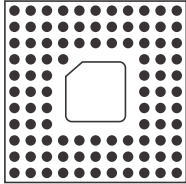
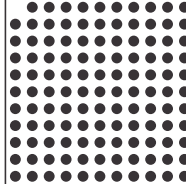
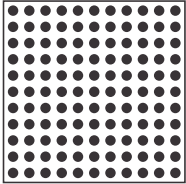
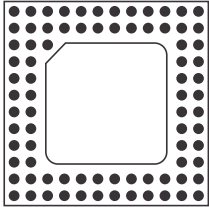
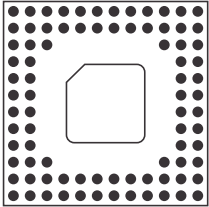
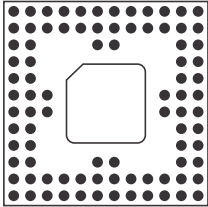
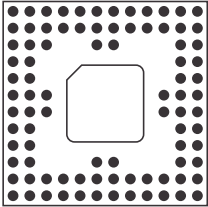
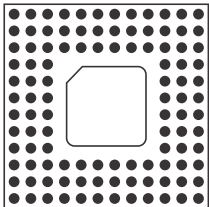
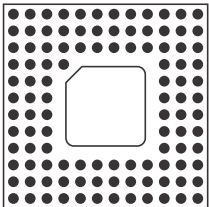
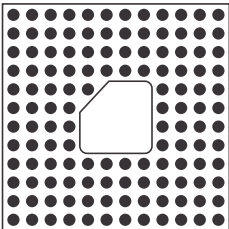
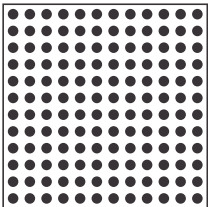
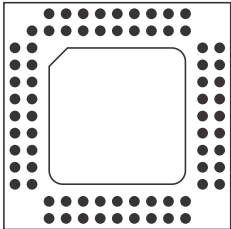
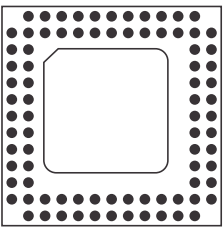
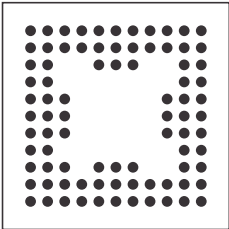
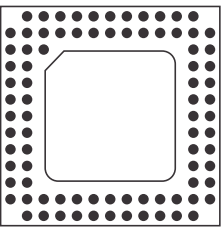
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>10 x 10 100 Pins</p>  <p>PX - 10 - 100 - AXX</p>	<p>11 x 11 65 Pins</p>  <p>PX - 11 - 065 - EXX</p>	<p>11 x 11 68 Pins</p>  <p>PX - 11 - 068 - AXX</p>	<p>11 x 11 68 Pins</p>  <p>PX - 11 - 068 - EXX</p>
<p>11 x 11 69 Pins</p>  <p>PX - 11 - 069 - EXX</p>	<p>11 x 11 72 Pins</p>  <p>PX - 11 - 072 - CXX</p>	<p>11 x 11 72 Pins</p>  <p>PX - 11 - 072 - EXX</p>	<p>11 x 11 72 Pins</p>  <p>PX - 11 - 072 - AXX</p>
<p>11 x 11 73 Pins</p>  <p>PX - 11 - 073 - CXX</p>	<p>11 x 11 73 Pins</p>  <p>PX - 11 - 073 - EXX</p>	<p>11 x 11 75 Pins</p>  <p>PX - 11 - 075 - DXX</p>	<p>11 x 11 76 Pins</p>  <p>PX - 11 - 076 - CXX</p>
<p>11 x 11 84 Pins</p>  <p>PX - 11 - 084 - CXX</p>	<p>11 x 11 84 Pins</p>  <p>PX - 11 - 084 - AXX</p>	<p>11 x 11 85 Pins</p>  <p>PX - 11 - 085 - CXX</p>	<p>11 x 11 92 Pins</p>  <p>PX - 11 - 092 - CXX</p>

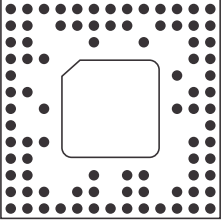
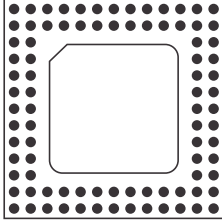
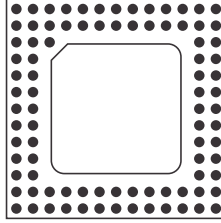
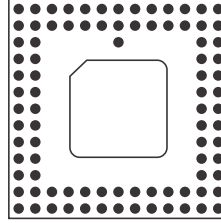
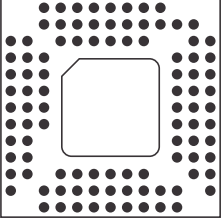
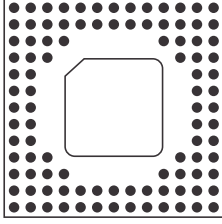
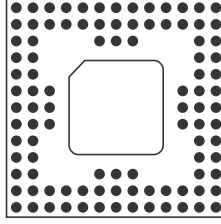
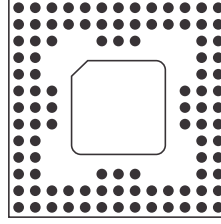
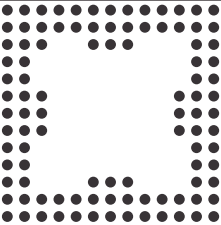
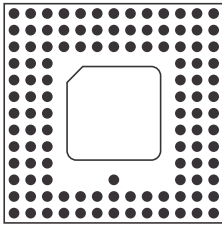
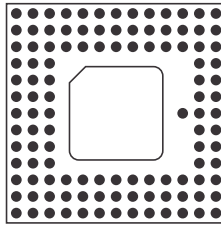
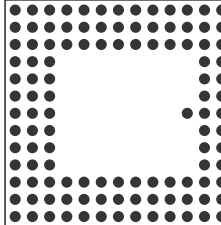
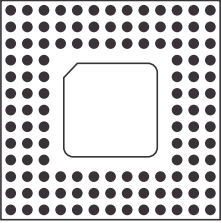
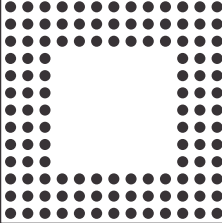
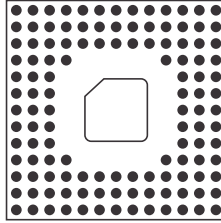
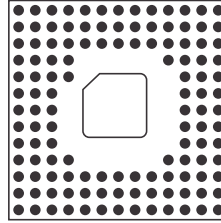
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>11 x 11 96 Pins</p> 	<p>11 x 11 97 Pins</p> 	<p>11 x 11 120 Pins</p> 	<p>11 x 11 121 Pins</p> 
PX - 11 - 096 - CXX	PX - 11 - 097 - CXX	PX - 11 - 120 - AXX	PX - 11 - 121 - AXX
<p>12 x 12 81 Pins</p> 	<p>12 x 12 84 Pins</p> 	<p>12 x 12 88 Pins</p> 	<p>12 x 12 89 Pins</p> 
PX - 12 - 081 - FXX	PX - 12 - 084 - DXX	PX - 12 - 088 - DXX	PX - 12 - 089 - DXX
<p>12 x 12 108 Pins</p> 	<p>12 x 12 109 Pins</p> 	<p>12 x 12 129 Pins</p> 	<p>12 x 12 144 Pins</p> 
PX - 12 - 108 - DXX	PX - 12 - 109 - DXX	PX - 12 - 129 - CXX	PX - 12 - 144 - AXX
<p>13 x 13 73 Pins</p> 	<p>13 x 13 84 Pins</p> 	<p>13 x 13 85 Pins</p> 	<p>13 x 13 85 Pins</p> 
PX - 13 - 073 - GXX	PX - 13 - 084 - GXX	PX - 13 - 085 - AXX	PX - 13 - 085 - GXX

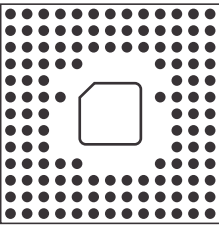
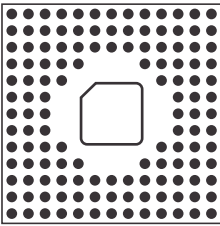
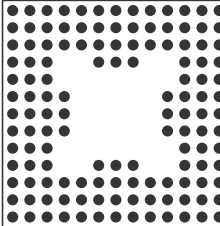
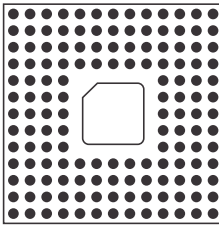
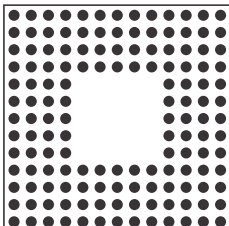
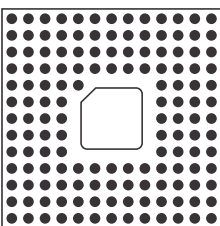
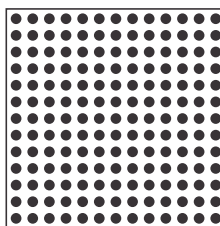
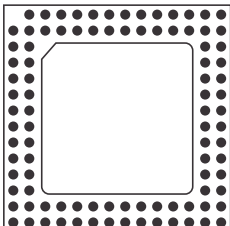
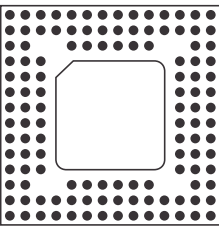
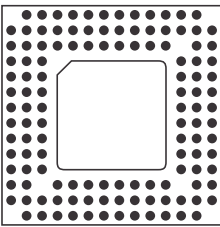
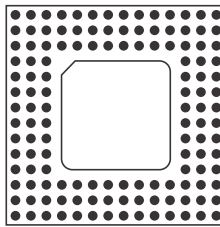
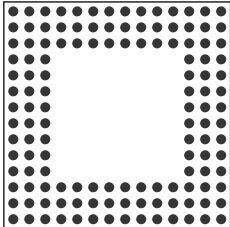
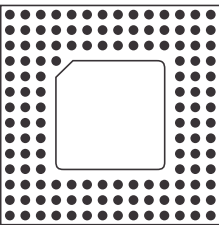
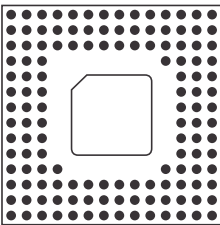
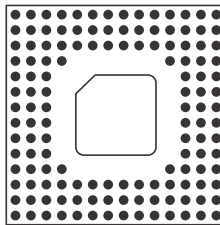
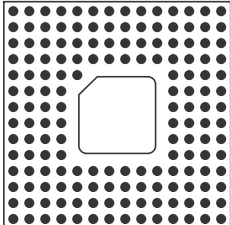
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>13 x 13 88 Pins</p> 	<p>13 x 13 88 Pins</p> 	<p>13 x 13 89 Pins</p> 	<p>13 x 13 89 Pins</p> 
PX - 13 - 088 - EXX	PX - 13 - 088 - GXX	PX - 13 - 089 - GXX	PX - 13 - 089 - EXX
<p>13 x 13 98 Pins</p> 	<p>13 x 13 100 Pins</p> 	<p>13 x 13 100 Pins</p> 	<p>13 x 13 101 Pins</p> 
PX - 13 - 098 - EXX	PX - 13 - 100 - EXX	PX - 13A 100 - EXX	PX - 13 - 101 - EXX
<p>13 x 13 101 Pins</p> 	<p>13 x 13 114 Pins</p> 	<p>13 x 13 114 Pins</p> 	<p>13 x 13 114 Pins</p> 
PX - 13 - 101 - AXX	PX - 13 - 114 - EXX	PX - 13A 114 - EXX	PX - 13 - 114 - AXX
<p>13 x 13 120 Pins</p> 	<p>13 x 13 120 Pins</p> 	<p>13 x 13 124 Pins</p> 	<p>13 x 13 125 Pins</p> 
PX - 13 - 120 - EXX	PX - 13 - 120 - AXX	PX - 13 - 124 - CXX	PX - 13 - 125 - CXX

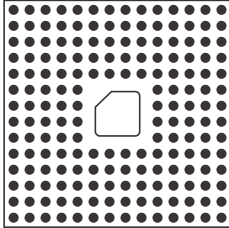
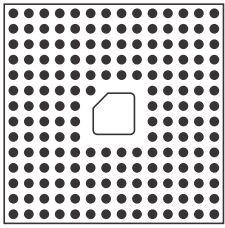
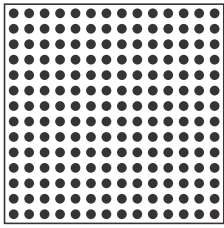
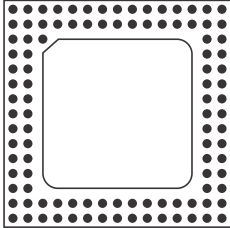
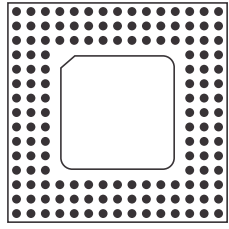
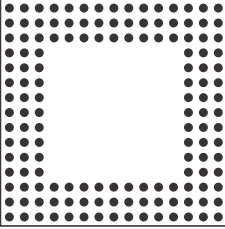
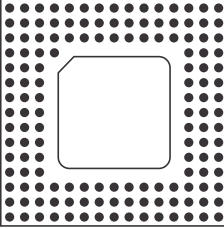
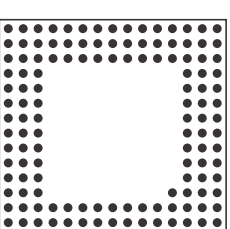
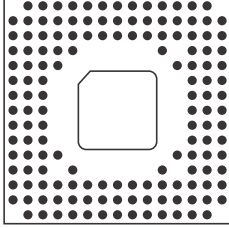
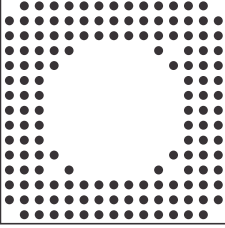
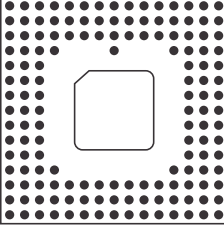
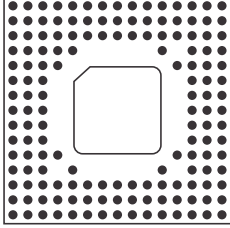
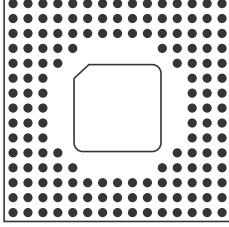
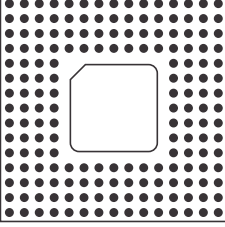
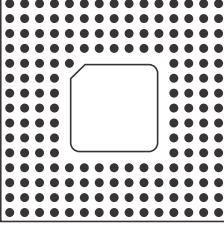
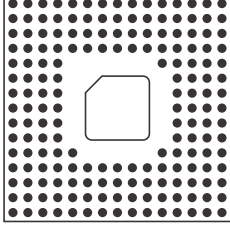
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>13 x 13 128 Pins</p> 	<p>13 x 13 132 Pins</p> 	<p>13 x 13 132 Pins</p> 	<p>13 x 13 144 Pins</p> 
PX - 13 - 128 - CXX	PX - 13 - 132 - CXX	PX - 13 - 132 - AXX	PX - 13 - 144 - CXX
<p>13 x 13 144 Pins</p> 	<p>13 x 13 145 Pins</p> 	<p>13 x 13 169 Pins</p> 	<p>14 x 14 95 Pins</p> 
PX - 13 - 144 - AXX	PX - 13 - 145 - CXX	PX - 13 - 169 - AXX	PX - 14 - 095 - IXX
<p>14 x 14 124 Pins</p> 	<p>14 x 14 125 Pins</p> 	<p>14 x 14 132 Pins</p> 	<p>14 x 14 132 Pins</p> 
PX - 14 - 124 - FXX	PX - 14 - 125 - FXX	PX - 14 - 132 - FXX	PX - 14 - 132 - AXX
<p>14 x 14 133 Pins</p> 	<p>14 x 14 135 Pins</p> 	<p>14 x 14 136 Pins</p> 	<p>14 x 14 161 Pins</p> 
PX - 14 - 133 - FXX	PX - 14 - 135 - DXX	PX - 14 - 136 - DXX	PX - 14 - 161 - DXX

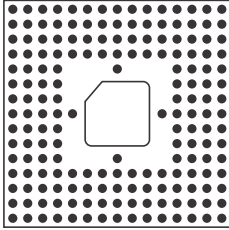
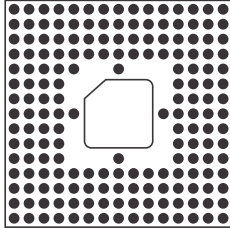
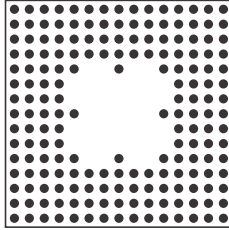
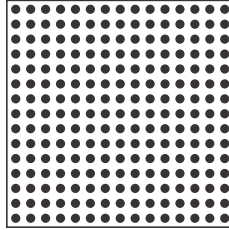
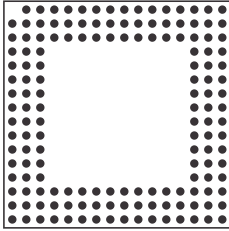
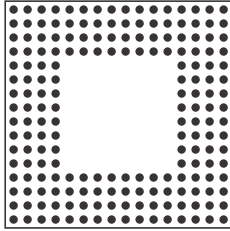
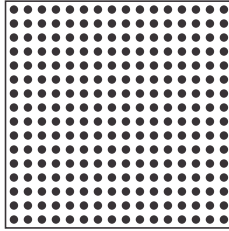
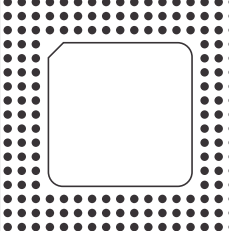
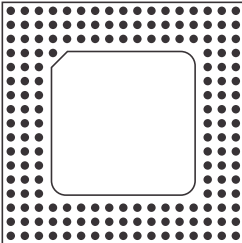
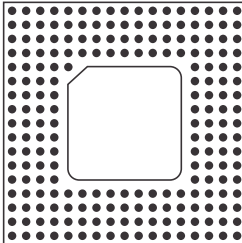
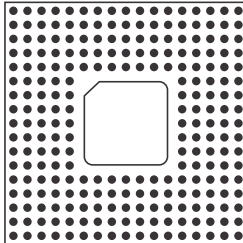
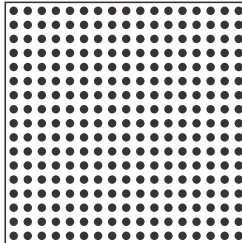
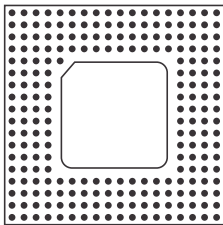
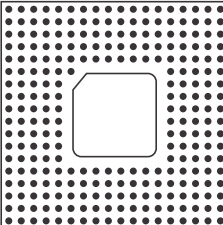
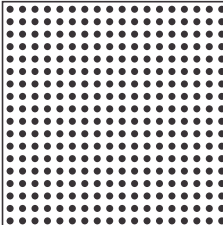
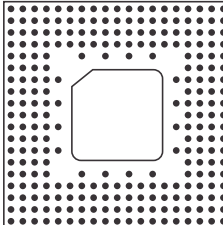
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>14 x 14 180 Pins</p> 	<p>14 x 14 181 Pins</p> 	<p>14 x 14 196 Pins</p> 	<p>15 x 15 105 Pins</p> 
PX - 14 - 180 - BXX	PX - 14 - 181 - BXX	PX - 14 - 196 - AXX	PX - 15 - 105 - IXX
<p>15 x 15 144 Pins</p> 	<p>15 x 15 144 Pins</p> 	<p>15 x 15 145 Pins</p> 	<p>15 x 15 145 Pins</p> 
PX - 15 - 144 - GXX	PX - 15 - 144 - AXX	PX - 15 - 145 - GXX	PX - 15 - 145 - AXX
<p>15 x 15 149 Pins</p> 	<p>15 x 15 149 Pins</p> 	<p>15 x 15 149 Pins</p> 	<p>15 x 15 153 Pins</p> 
PX - 15A 149 - EXX	PX - 15 - 149 - AXX	PX - 15 - 149 - EXX	PX - 15 - 153 - EXX
<p>15 x 15 156 Pins</p> 	<p>15 x 15 176 Pins</p> 	<p>15 x 15 177 Pins</p> 	<p>15 x 15 179 Pins</p> 
PX - 15 - 156 - EXX	PX - 15 - 176 - EXX	PX - 15 - 177 - EXX	PX - 15 - 179 - CXX

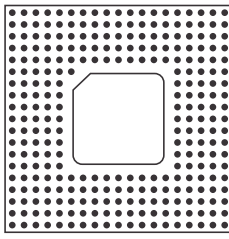
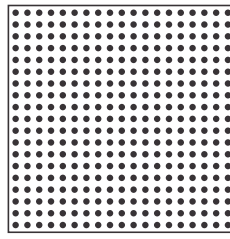
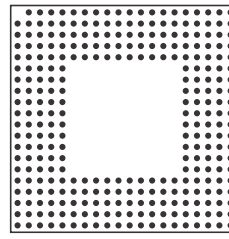
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>15 x 15 180 Pins</p> 	<p>15 x 15 181 Pins</p> 	<p>15 x 15 184 Pins</p> 	<p>15 x 15 225 Pins</p> 
PX - 15 - 180 - CXX	PX - 15 - 181 - CXX	PX - 15 - 184 - AXX	PX - 15 - 225 - AXX
<p>16 x 16 155 Pins</p> 	<p>16 x 16 192 Pins</p> 	<p>16 x 16 256 Pins</p> 	<p>17 x 17 168 Pins</p> 
PX - 16 - 155 - AXX	PX - 16 - 192 - AXX	PX - 16 - 256 - AXX	PX - 17 - 168 - IXX
<p>17 x 17 169 Pins</p> 	<p>17 x 17 209 Pins</p> 	<p>17 x 17 240 Pins</p> 	<p>17 x 17 289 Pins</p> 
PX - 17 - 169 - IXX	PX - 17 - 209 - GXX	PX - 17 - 240 - EXX	PX - 17 - 289 - AXX
<p>18 x 18 225 Pins</p> 	<p>18 x 18 261 Pins</p> 	<p>18 x 18 324 Pins</p> 	<p>19 x 19 256 Pins</p> 
PX - 18 - 225 - HXX	PX - 18 - 261 - FXX	PX - 18 - 324 - AXX	PX - 19 - 256 - GXX

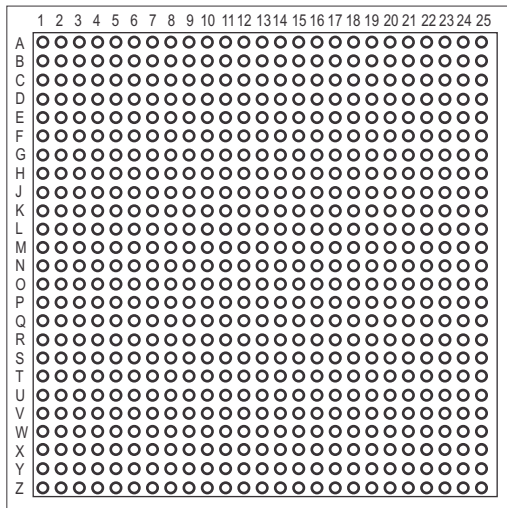
PIN GRID ARRAY SOCKETS STANDARD FOOT PRINTS

SERIES PGA

<p>19 x 19 281 Pins</p>  <p>PX - 19 - 281 - GXX</p>	<p>19 x 19 361 Pins</p>  <p>PX - 19 - 361 - AXX</p>	<p>20 x 20 299 Pins</p>  <p>PX - 20 - 299 - AXX</p>	
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PIN GRID ARRAY SOCKETS CUSTOM GRID DESIGN

If the desired footprint does not exist in this catalogue, please photocopy the page, complete it and send it to PROTECTRON



YOUR ADDRESS

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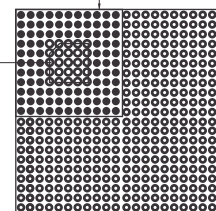
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ORDERING INFORMATION

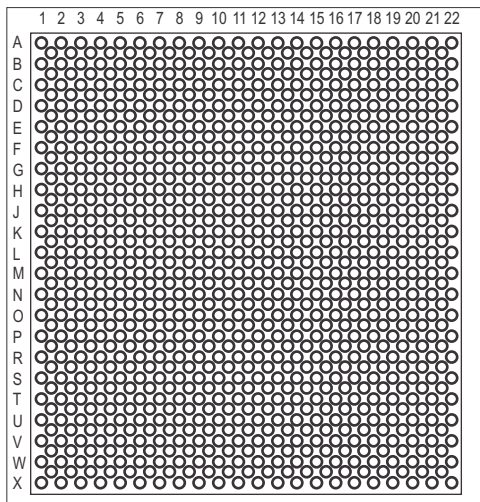
- Type of PGA
- Type of Pin
- Plating Insulator
- Size of body
 X

Example :

Fill in the
Position of pins
Mark of
the window



TOP VIEW



TECHNICAL SPECIFICATIONS FOR PLCC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Polyphenylenedene Sulphide (PPS)
Contact	Copper alloy, tin plated over nickel.

Mechanical Properties

	Solder Tail Version	SMD Version
Mechanical life	50 cycles min.	25 cycles min.
Contact Pressure	1.5 N min. per contact	1.2 N min. per contact

Electrical Properties

	Solder Tail Version	SMD Version
Rated Current	2A	1A
Contact resistance	20 m Ω max.	20 m Ω max
Insulation resistance	5000 M Ω min.	5000 M Ω min.
Dielectric strength	600 VRMS min.	600 VRMS min.
Capacitance	2 Pf max.	2 Pf max.

Environmental Properties

Operating temperature range	:	-55° / +125° c
Vibration (No electrical discontinuity > 1 micro sec)	:	10 to 2000 Hz, 15g.