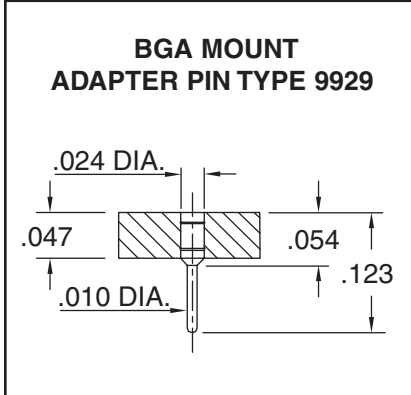
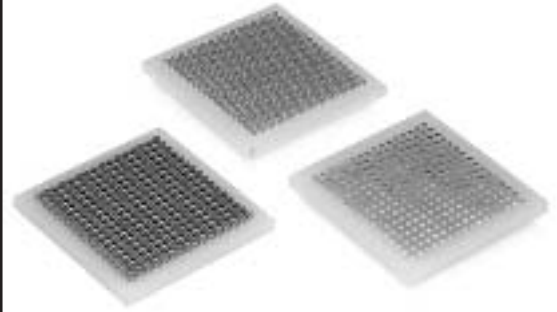


- BGA adapter/socket systems are a reliable way to make BGAs pluggable, they may also be used as a high density board-to-board interconnect.
- The BGA device is soldered to a 9929 adapter (or a 7929 adapter is soldered to a PCB); and then either one can be plugged into a 9928 surface mount socket.
- Both socket and adapter have the same footprint as the BGA device.
- Insertion force is only .41N per pin, and a pry-bar tool (part #828-01-010) is available for extraction.
- Insulator material is FR-4 epoxy having a TCE to match the BGA device and circuit board.
- Mill-Max offers the option of having the solder surfaces of the 7929 adapter and 9928 socket pre-tinned.



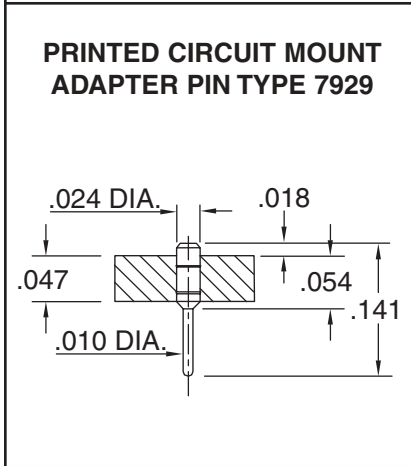
**Ordering Information**

**FOR BGA MOUNT ADAPTERS**

Locate footprint pattern from page 222, the middle 8 digits of the part number will be located under the pattern.

Series	Plating Code	Window			
5 9 9	- 1 0 -	□ □ □ □	- □ □	- □ □ □ □	4 2 9
		No. of pins	Grid size	Pattern #	

Determined from footprint pattern on page 222



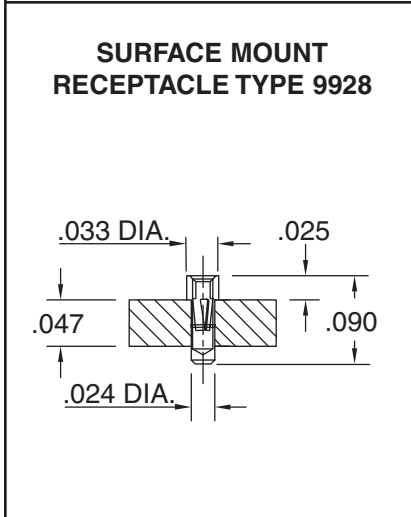
**FOR PCB MOUNT ADAPTERS**

Locate footprint pattern from page 222, the middle 8 digits of the part number will be located under the pattern.

Series	Plating Code	Window			
5 7 9	- 1 0 -	□ □ □ □	- □ □	- □ □ □ □	4 2 9
5 9 6	- 1 0 -	□ □ □ □	- □ □	- □ □ □ □	4 6 1
		No. of pins	Grid size	Pattern #	<b>PRE-TINNED</b>

Determined from footprint pattern on page 222

PLATING CODE XX=	<b>10</b>			
Pin Plating	10μ" Au			



**FOR FEMALE SOCKETS**

Locate footprint pattern from page 222, the middle 8 digits of the part number will be located under the pattern.

Series	Plating Code	Window			
5 9 9	- 1 1 -	□ □ □ □	- □ □	- □ □ □ □	4 2 8
5 9 6	- 1 1 -	□ □ □ □	- □ □	- □ □ □ □	4 4 5
		No. of pins	Grid size	Pattern #	<b>PRE-TINNED</b>

Determined from footprint pattern on page 222

SPECIFY PLATING CODE XX=	<b>11</b>			
Sleeve (Pin)	10μ" Au			
Contact (Clip)	10μ" Au			



**BALL GRID ARRAY FOOTPRINTS (1mm GRID)**  
*Top view shown, many other standard and custom footprints available.*  
*Call Mill-Max for details.*

8 X 8	8 X 8	10 X 10	11 X 15	14 X 14	14 X 14
XXX-XX-054-04-005	XXX-XX-064-04-000	XXX-XX-100-05-000	XXX-XX-165-01-005	XXX-XX-168-07-005	XXX-XX-196-07-000

16 X 16	16 X 16	18 X 18	22 X 22	22 X 22	22 X 22
XXX-XX-208-08-001	XXX-XX-256-08-007	XXX-XX-324-09-000	XXX-XX-324-11-005	XXX-XX-376-11-005	XXX-XX-484-11-005

26 X 26	26 X 26	26 X 26	26 X 26
XXX-XX-352-13-007	XXX-XX-388-13-007	XXX-XX-484-13-005	XXX-XX-672-13-005

26 X 26	26 X 26	30 X 30	33 X 33
XXX-XX-675-13-005	XXX-XX-676-13-000	XXX-XX-432-15-001	XXX-XX-560-17-001

34 X 34	34 X 34	39 X 39	39 X 39
XXX-XX-580-17-005	XXX-XX-680-17-005	XXX-XX-560-20-007	XXX-XX-680-20-005