

IC Sockets - Systems & Connector Forecast 2020 - 2030

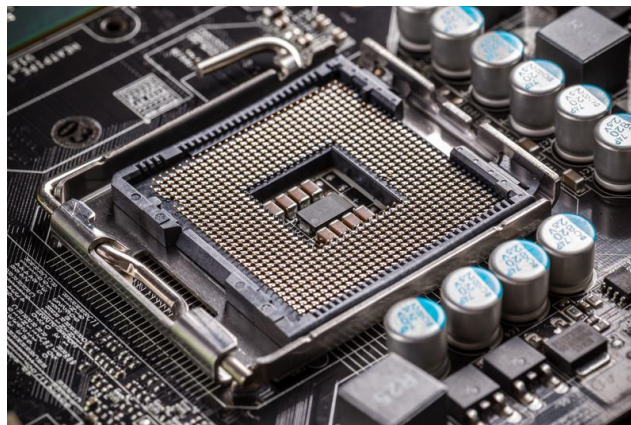
Research Report P-420-22
January 2022



IC Socket Market - Systems and Connector Forecast 2020 to 2030

Report No.: P-420-22
January 2022

Bishop & Associates, Inc. has just released a new six-chapter research report providing an analysis of the IC socket market. Statistics in both US dollars and units are provided for the years 2019 through 2025 and 2030, by region and in some cases by socket type and application. The market for IC sockets has changed dramatically in the past two decades. Ironically as Silicon has gobbled up more and more real estate and changed the types of IC sockets, the overall market has grown.



World Semiconductor sales grew 10.8% in 2020 to \$464B, rebounding slightly from the COVID Pandemic. They are projected to reach \$550B in 2021 for an approximate 20% increase. There is talk of \$650B in 2023. This benefits the IC socket business, particularly test & burn-in sockets.

Over-all, the IC socket market seems relatively healthy, although with generally low single-digit growth rates, and a possible shift in the mix from production to test sockets. And as the semiconductor industry approaches the end on Moore's Law and seeks out new multichip and 3D chip designs, they will intuitively need more testing.

IC sockets have been used for many years for different, evolving reasons. Since sockets add to material costs, no one would use them unless they had a good reason – or are basically following a standard operating procedure that has worked for previous generations. So why then do we use IC sockets?

Sample Table 1:

**Other Sockets Shipments by Region Shipments
2020 - 2030
Sales in US\$ x M**

	2020	2021	2022	2023	2024	2025	2030	CAGR%	
								20-25	20-30
North America	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
Europe	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
Japan	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
China	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
Asia Pacific	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
ROW	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%
Total \$	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	\$XX.X	Y.Y%	Y.Y%

IC Socket Market - Systems and Connector Forecast 2020 to 2030

Sample Table 2:

**Mainframe/Scientific Computer Forecast by Region of Assembly and IC Socket
2019 to 2030
(System Units, Sockets UxM)**

	2019	2020	2021	2022	2023	2024	2025	2030	20-25%	20-30%
North America										
Mainframes	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
CPU Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
HBM	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
North America										
Scientific Computers	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
CPU Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
HBM	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
Europe										
Japan										
China + Asia Pacific										
ROW										
World										
Scientific Computers	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
CPU Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
HBM	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
World										
Scientific Computers	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
CPU Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%
HBM	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	Y.Y%	Y.Y%

There are several reason IC sockets are still in use today, and this report reviews a number of them. Advances in IC socketing are discussed, as are alternative options to socketing. Although it appears when compared to other connector types that IC sockets are on the decline, IC sockets fulfill a valuable need and will be around for many years to come.

IC Socket Market - Systems and Connector Forecast 2020 to 2030

Sample Table 3:

World Total IC Sockets UxM

Notebook	2020	2021	2025	2030	2020-2025
CPU Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC*	XXXX	XXXX	XXXX	XXXX	Y.Y%
Desktop	2020	2021	2025	2030	2020-2025
CPU Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
PLCC	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC	XXXX	XXXX	XXXX	XXXX	Y.Y%
Server	2020	2021	2025	2030	2020-2025
CPU Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC	XXXX	XXXX	XXXX	XXXX	Y.Y%
Mainframe	2020	2021	2025	2030	2020-2025
CPU Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC	XXXX	XXXX	XXXX	XXXX	Y.Y%
Scientific/Super Comp	2020	2021	2025	2030	2020-2025
CPU Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC	XXXX	XXXX	XXXX	XXXX	Y.Y%
Other Sockets	2020	2021	2025	2030	2020-2025
All **	XXXX	XXXX	XXXX	XXXX	Y.Y%
Test & BI Sockets	2020	2021	2025	2030	2020-2025
All***	XXXX	XXXX	XXXX	XXXX	Y.Y%
Word Total	2020	2021	2025	2030	2020-2025
CPU	XXXX	XXXX	XXXX	XXXX	Y.Y%
DIMM Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
PLCC	XXXX	XXXX	XXXX	XXXX	Y.Y%
HBM/HMC*	XXXX	XXXX	XXXX	XXXX	Y.Y%
Other Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
Test & BI Sockets	XXXX	XXXX	XXXX	XXXX	Y.Y%
World Total	XXXX	XXXX	XXXX	XXXX	Y.Y%

IC Socket Market - Systems and Connector Forecast 2020 to 2030

The following table of contents shows the detail provided in this new report.

Table of Contents

Introduction

Scope of this Study
Product Segments
Deliverables
Why Socket?
Key Socket Products Covered in this Report
Processor/ASIC Sockets
Memory Sockets
Flash Memory Connectors

Chapter 1 – Introduction

World Semiconductor Industry Snapshot
1.2 The IC Socket Market
1.3 Report Summary

Chapter 2 – PC Market for IC Sockets

Introduction
PC Connector Trends
PC/Mac Unit Volume
Table 2.1 Notebook Sales by Region of Assembly
Table 2.2 World Notebook Assembly 2012-2030
Table 2.3 Regional Notebook Unit Sales and Sockets by Regional Assembly Location 2012 to 2030
Table 2.3 World Notebook Sockets 2012-2030
Notes
Table 2.4 Desktop PC/Mac Unit Sales and Sockets by Regional Assembly Location 2012-2030
Table 2.5 Workstations Unit Sales and Sockets by Regional Assembly Location 2012-2030
Recent and Current CPU and Memory Sockets

Chapter 3 – Server Sockets

Growth Forecast
Current and Future Paradigms
Table 3.1 Server Industry Forecast by Region of Assembly
Table 3.2 Server Industry plus Socket Forecast by Region 2019-2030

Chapter 4 – Other Systems

4.1 Mainframes, Scientific Computers
Table 4.1 Mainframe/Scientific Computer Forecast by Region of Assembly
Table 4.2 Mainframe/Scientific Computer Forecast by Region of Assembly and IC Socket 2019 to 2030
Mainframe Prospects and Concerns
Socket Concerns
4.2 Companies
IBM Poughkeepsie
Hewlett Packard Enterprises
Top 5 Companies, Worldwide Server Vendor Revenue (M), Market Share, and Growth, First Quarter 2021
Unisys
Super/Scientific Computer Manufacturers

Chapter 5 – Characterizing the Miscellaneous IC Socket Marketplace

5.1 Introduction
5.2 Socket Companies
Socket Design by Market
Table 5.1 Production Socket Sales by Company (est.) 2020-30
Table 5.2 Other Sockets Shipments by Region Shipments 2020 - 2030
Table 5.3 Other Socket World Sales by Product Type \$xM
Comments

Chapter 6 – Test & Burn-in (T & BI) Sockets

6.1 Introduction
6.2 Current Test Socket Makers
Table 6.1 World Test & Burn-in IC Socket Sales 2020-25
Table 6.2 Test & Burn-In Socket Sales by Region of Design or Shipment
Table 6.3 World Total IC Sockets

To Order *IC Socket Market - Systems and Connector Forecast - 2020 to 2030*



Research Report P-420-22, *IC Socket Market - System and Connector Forecast - 2020 to 2030* is available for \$3,245. If you would like additional information about this report, or would like to place an order, please complete the following information, and e-mail, or mail it to Bishop & Associates, Inc. To place your order on our website: <https://store.bishopinc.com/>.

Name:		
Title:		
Company:		
Address:		
City:	State:	Zip:
Phone:	Fax:	
E-Mail Address:		
Signature:		

IC Socket Market - Systems and Connector Forecast - 2020 to 2030

Multi-User Corporate License @ \$3,245

Invoice Me Check Enclosed Visa Master Card American Express

Illinois Customers Add 8.0% Sales Tax

Credit Card No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiration Date

--	--

Mo.

--	--

Yr.

 **Bishop & associates, inc.**

Performance and Forecast of the World Connector Industry

1209 Fox Glen Drive - St. Charles, IL 60174

Phone: 630/443-2702

E-mail: bishop@bishopinc.com

Website: www.connectorindustry.com

Online Store: <https://store.bishopinc.com/>

For Questions in **Europe:**

Mr. Arthur Visser

Bishop & Associates, Inc.

Phone: (32) 2.660.3696

[Email Arthur Visser.](mailto:arthur.visser@bishopinc.com)

What's New ?

Bishop & Associates has recently completed several new research reports about the worldwide connector industry. A table of contents for each report can be found at <https://store.bishopinc.com>.

- ❑ **Report P-420-22** IC Sockets – Systems & Connector Forecast 2020-2030 (January 2022) **NEW**
- ❑ **Report F-2021-02** Connector Industry Forecast (November 2021) **NEW**
- ❑ **Report P-520-21** The World I/O Rectangular Connector Market 2021 (October 2021) **NEW**
- ❑ **Report P-430-21** World Circular Connector Market 2021 (September 2021) **NEW**
- ❑ **Report M-121-21** 2021 Top 100 Connector Manufacturers (August 2021) **NEW**
- ❑ **Report C-122-21** 2021 Connector Industry Yearbook (July 2021) **NEW**
- ❑ **Report M-310-21** Instrumentation Market for Connectors (June 2021) **NEW**
- ❑ **Report P-799-21** World Cable Assembly Market (May 2021) **NEW**
- ❑ **Report P-410-21** Computer Server Market Trends and Connector Use 2020 – 2030 (May 2021)
- ❑ **Report M-607-21** World Industrial Market for Connectors (April 2021)
- ❑ **Report M-700-21** World Connector Market Handbook (April 2021)
- ❑ **Report M-510-21** World Telecom Connector Market 2020-2025 (January 2021)
- ❑ **Report M-1601-20** Top 50 Medical Interconnect Solutions Companies (December 2020)
- ❑ **Report P-675-20** High-Speed Copper & Fiber Optic Connectors (November 2020)
- ❑ **Report M-980-20** 5G Infrastructure – How 5G is Impacting Infrastructure Hardware and Connector Buying Trends (September 2020)
- ❑ **Report M-1501-20** Medical Electronics Market for Interconnect Solutions (July 2020)
- ❑ **Report P-780-20** World RF Coax Connector Market 2020 (June 2020)

THE BISHOP REPORT - CONNECTOR INDUSTRY YEARBOOK

An annual corporate subscription to **THE BISHOP REPORT** (12 issues) is available for \$2,950, which includes an unlimited number of subscribers and one PDF version of the **Connector Industry Yearbook** report (normally \$1,500). **The Bishop Report** subscription includes access, through Bishopinc.com, to prior issues of The Bishop Report, 30-40 yearly News Briefs, Industry Financial Benchmarks, and various connector industry indices.

Click here to view an expanded report description, and a complete table of contents, for all Bishop & Associates' research reports.



1209 Fox Glen Drive • St. Charles, IL 60174
Phone: 630.443.2702 • bishop@bishopinc.com • Bishopinc.com
Online Ordering: <https://store.bishopinc.com>