

**Aumictech**

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Data Sheet

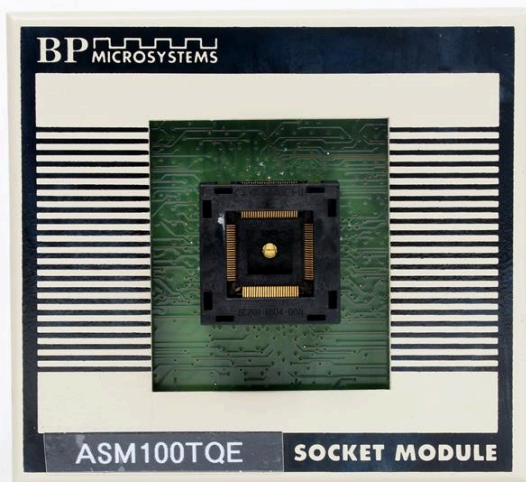
August 15, 2026

BP MICROSYSTEMS

BP Microsystems ASM20SS Automated SSOP Socket Module

BP Microsystems ASM20SS Automated SSOP Socket Module This listing is a spare assembly or module in the BP Microsystems catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. Catalog identity matched to brand, model, and SKU. No invented electrical performance numbers. Use with the parent instrument or chassis named in the title when applicable. Documented as thin because OEM numeric tables are not public.

Catalog Title: BP Microsystems ASM20SS Automated SSOP Socket Module



MODEL

**BP Microsystems
ASM20SS**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ASM20SS

LISTING

<https://aumictechlabs.com/products/asm20ss-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BP Microsystems ASM20SS is an automated socket module engineered for high-volume SSOP device programming within integrated circuit manufacturing and laboratory environments. It has structured device placement, electrical interfacing, and concurrent multi-site operation for 20- to 56-pin shrink small outline packages. The module delivers independent pin drivers and

waveform generators per site, enabling parallel test and programming workflows across multiple devices simultaneously. Technical Specifications Device Support SSOP packages: 20–56 pin count Lead tip-to-tip: 7.8 mm or 16 mm Pitch: 0.65 mm or 0.8 mm Electrical Performance Pin drivers: 240 pins standard per site V_{pp} : 0 V to 25 V I_{pp} : Up to 1.2 A total V_{cc} : 0 V to 13 V I_{cc} : 0–2 A Digital I/O: 0–4.5 V Clock frequency: 800 kHz to 200 MHz Rise time: 350 ps Protection: ESD, overcurrent shutdown, power failure shutdown Environmental Operating temperature: 13 °C to 32 °C Relative humidity: 30–80% Physical Dimensions Length: 298 mm Width: 220 mm Working height (excluding sockets): 119 mm Weight: 3.28 kg Key Features Fully independent pin drivers and waveform generators for each site enable concurrent operations Backward compatibility with 7th and 8th generation sockets on 9th generation sites Integrated circuit protection against ESD, overcurrent, and power loss conditions Clock speeds extending to 200 MHz support high-frequency device programming protocols Typical Applications Automated programming of SSOP-packaged microcontrollers, memory devices, and mixed-signal ICs in manufacturing and R&D settings requiring multi-site parallel throughput. Compatibility & Integration Designed for direct integration with BP Microsystems automated programming systems. Socket module series supports continuous updates and reuse of legacy socket hardware with current platform generations.

ASM20SS Characteristics / Specifications

PARAMETER	VALUE
Model	ASM20SS
Brand	BP Microsystems
Catalog Title	BP Microsystems ASM20SS Automated SSOP Socket Module
Sku	ASM20SS
Product Class	spare assembly or module
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	ASM20SS
Manufacturer Line	BP Microsystems
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	ASM20SS
Brand	BP Microsystems
Catalog Title	BP Microsystems ASM20SS Automated SSOP Socket Module
Sku	ASM20SS
Product Class	spare assembly or module
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	ASM20SS
Manufacturer Line	BP Microsystems
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.