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**Expert team | Trust guarantee | 100% satisfaction**

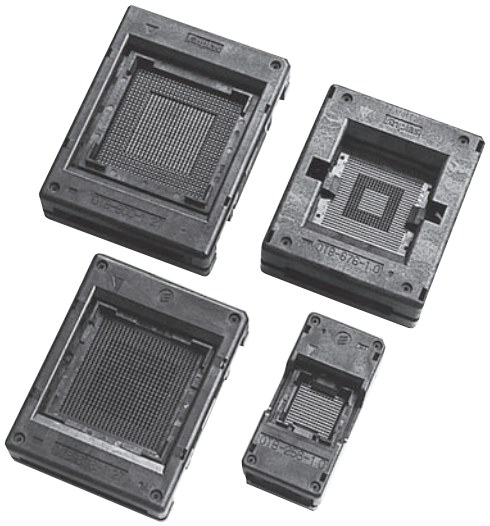
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Find the *BP Microsystems ASM48UBG* at our website: ***Click HERE***

# BGA
## BALL GRID ARRAY

Applicable IC/BGA

# OPEN TOP TYPE SOCKET



※RoHS compliant

ORDERING PROCEDURE

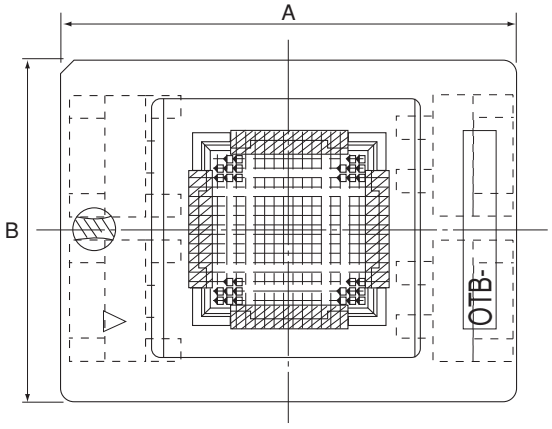
**OTB** – □□□ – □. □□ – □□□

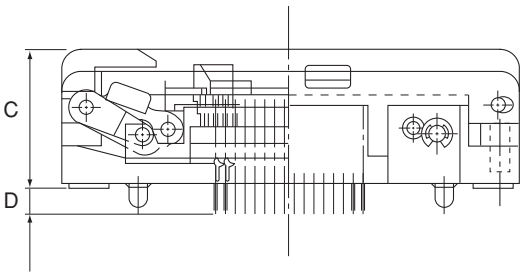
- Socket Series
- Pin Count
- Pitch
- Design NO.

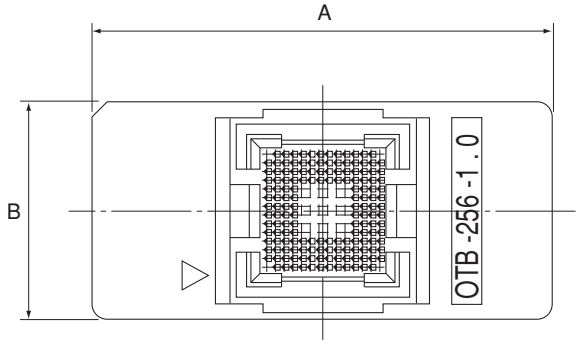
| Specification／仕様 | |
|---|---|
| Contact resistance(Initial)<br>接触抵抗（初期値） | 50mΩ (At 10 mA) INITIAL |
| Maximum voltage<br>耐電圧 | AC700V RMS (for 1 minute) |
| Insulation resistance<br>絶縁抵抗 | 1,000 MΩ or higher (At DC 500V) |
| Rated current<br>許容電流値 | 1A |
| Operating temperature range<br>仕様温度 | −65℃～+150℃ |
| Terminal strength against pulling<br>端子抜け強度 | 0.5Kg (1 min) |
| Insertion<br>機械寿命 | Min 10,000 times (mechanical) |

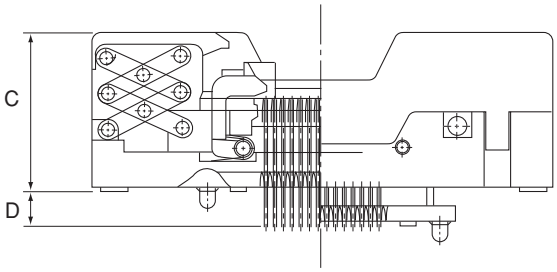
| MATERIAL／材質 | |
|---|---|
| Body<br>本体 | PEI, PES |
| Contact<br>コンタクトピン | BeCu, Au plating (Ni-base) |

## APPLICABLE IC DIMENSIONS & SOCKET DIMENSIONS






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## Shrink OTB-400R SERIES (1.27mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMENSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-372(400R)-1.27-01 | 23×23 | 20×20 | Depopulated | 372 | 1.27 | 45 | 45 | 22 | 2.2 | |
| OTB-256(400R)-1.27-01 | 23×23 | 18×18 | Depopulated | 256 | | | | | | |
| OTB-233(400R)-1.27-02 | 27×27 | 20×20 | Fully Array | 233 | | | | | | Plan |
| OTB-144(400R)-1.27-04 | 17×17 | 13×13 | | 144 | | | | | | |
| OTB-360(400R)-1.27-03 | 25×25 | 19×19 | | 360 | | | | | | |

## OTB-676 SERIES (1.27mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMENSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-356(676)-1.27-14 | 27×27 | 20×20 | Depopulated | 356 | 1.27 | 68 | 53 | 18 | 2.8 | PBGA |
| OTB-429(676)-1.27-38 | 27×27 | 21×21 | Depopulated | 429 | | | | | 4 | |
| OTB-272(676)-1.27-07 | 29×29 | 21×21 | Depopulated | 272 | | | | | 4 | |
| OTB-483(676)-1.27-20 | 29×29 | 22×22 | Fully Array | 483 | | | | | 3.3 | |
| OTB-240(676)-1.27-02 | 31×31 | 23×23 | P.3 ROW | 240 | | | | | 4 | PBGA |
| OTB-304(676)-1.27-10 | 31×31 | 23×23 | P.4 ROW | 304 | | | | | 4 | TBGA Cavity Down |
| OTB-320(676)-1.27-04 | 31×31 | 24×24 | P.4 ROW | 320 | | | | | 4 | |
| OTB-503(676)-1.27-16 | 32.5×32.5 | 25×25 | P.7 ROW | 503 | | | | | 3.3 | CBGA |
| OTB-625(676)-1.27-46 | 33×33 | 25×25 | Fully Array | 625 | | | | | 4 | |
| OTB-313(676)-1.27-01 | 35×35 | 25×25 | Staggered | 313 | | | | | 4 | PBGA |
| OTB-420(676)-1.27-17 | 35×35 | 26×26 | P.5 ROW | 420 | | | | | 4 | TBGA Cavity Down |
| OTB-456(676)-1.27-18 | 35×35 | 26×26 | P.5 ROW | 456 | | | | | 4 | PBGA |

## OTB-900 SERIES (1.27mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMENSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-596(900)-1.27-02 | 35×35 | 26×26 | Depopulated | 596 | 1.27 | 76 | 59 | 18 | 2.8 | PBGA |
| OTB-465(900)-1.27-02 | 35×35 | 27×27 | Depopulated | 465 | | | | | 2.8 | |
| OTB-400(900)-1.27-05 | 37.5×37.5 | 29×29 | Depopulated | 400 | | | | | 2.8 | |
| OTB-480(900)-1.27-04 | 37.5×37.5 | 29×29 | P.5 ROW | 480 | | | | | 2.8 | TBGA Cavity Down |
| OTB-549(900)-1.27-06 | 37.5×37.5 | 29×29 | Depopulated | 549 | | | | | 2.8 | |
| OTB-760(900)-1.27-03 | 40×40 | 30×30 | Depopulated | 760 | | | | | 4.0 | |



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# OPEN TOP TYPE SOCKET

## OTB-324R SERIES (1.0mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMINSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-144(324R)-1.0-004 | 13×13 | 12×12 | | 144 | 1.0 | 32 | 32 | 18.9 | 2.2 | |
| OTB-176(324R)-1.0-002 | 15×15 | 14×14 | | 176 | | | | | | |
| OTB-208(324R)-1.0-003 | 17×17 | 16×16 | | 208 | | | | | | PBGA |
| OTB-260(324R)-1.0-01 | 19×19 | 18×18 | | 260 | | | | | | |
| OTB-324R-1.0-01 | 19×19 | 18×18 | | 324 | | | | | | PBGA |

## OTB-576R SERIES (1.0mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMINSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-292(576R)-1.0-001 | 21×21 | 19×19 | Depopulated | 292 | 0.8 | 43 | 43 | 19.3 | 2.2 | |

## Shrink OTB-676RS SERIES (1.0mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMINSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-416(676R)-1.0-＊＊ | 27×27 | 25×25 | Depopulated | 416 | 0.8 | 42 | 42 | 19.4 | 2.2 | |

## OTB-676R SERIES (1.0mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMINSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-548(676R)-1.0-01 | 27×27 | 26×26 | Depopulated | 548 | 1.0 | 47 | 47 | 18.9 | 2.2 | |
| OTB-484(676R)-1.0-03 | 23×23 | 22×22 | Fully Array | 484 | | | | | | |
| OTB-336(676R)-1.0-10 | 21×21 | 20×20 | Depopulated | 336 | | | | | | |
| OTB-360(676R)-1.0-22 | 20×20 | 19×19 | Depopulated | 360 | | | | | | |
| OTB-289(676R)-1.0-17 | 19×19 | 17×17 | Fully Array | 289 | | | | | | |
| OTB-260(676R)-1.0-27 | 19×19 | 18×18 | Depopulated | 260 | | | | | | |
| OTB-256(676R)-1.0-28 | 17×17 | 16×16 | Fully Array | 256 | | | | | | |
| OTB-260(676R)-1.0-19 | 14×22 | 13×30 | | 260 | | | | | | |
| OTB-272(676R)-1.0-036 | 13.5×24 | 12×23 | | 272 | | | | | | |

## OTB-1681R SERIES (1.0mm PITCH)

| PART NO. | APPLICABLE IC DIMENSIONS (REF.) | | | | | OUTSIDE DIMINSIONS (REF.) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | BODY SIZE | GRID | ROW/ARRAY | LEADS NUMBER | PITCH | A | B | C | D | |
| OTB-576(1681R)-1.0-016 | 25×25 | 24×24 | | 576 | 1.0 | 64 | 64 | 23 | 2.2 | |
| OTB-625(1681R)-1.0-04 | 27×27 | 25×25 | Fully Array | 625 | | | | | | |
| OTB-1089(1681R)-1.0-03 | 35×35 | 33×33 | Fully Array | 1089 | | | | | | |
| OTB-596(1681R)-1.0-07 | 31×31 | 30×30 | | 596 | | | | | | |



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