



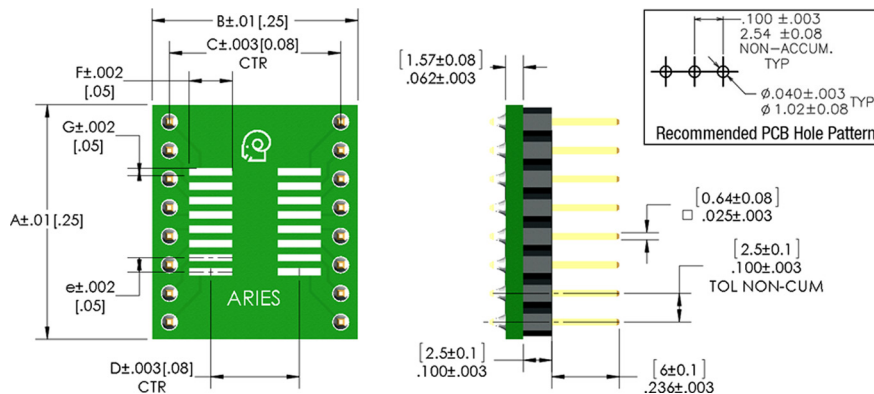
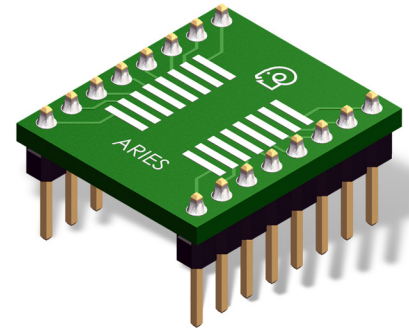
# Aries Low Cost, Quick Turn Small Outline Prototyping Adapters

## FEATURES

- Mates SOT23, SOIC, MSOP, or TSSOP packages to standard breadboard and breakout boards for rapid and easy prototyping
- Panelized adapters available upon request

## GENERAL SPECIFICATIONS

- BOARD MATERIAL: 0.062 [1.58] thick FR-4, UL 94V-0 with 1/2-oz. Cu traces
- PIN INSULATOR: Polyester, UL 94V-0
- PINS: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- PIN PLATING: Au Flash
- OPERATING TEMPERATURE: -55°C to +125°C



## ORDERING INFORMATION

Indicate desired P/N



| Pads | Package | Dim. "A"    | Dim. "B"    | Dim. "C"    | Dim. "D"      | Dim. "e"     | Dim. "F"     | Dim. "G"     | P/N           |
|------|---------|-------------|-------------|-------------|---------------|--------------|--------------|--------------|---------------|
| 6    | SOT23   | 0.4 [10.16] | 0.5 [12.7]  | 0.3 [7.62]  | 0.091 [2.30]  | 0.037 [0.95] | 0.035 [0.90] | 0.024 [0.60] | LCQT-SOT23    |
| 8    | SOIC8   | 0.5 [12.7]  | 0.5 [12.7]  | 0.3 [7.62]  | 0.205 [5.20]  | 0.050 [1.27] | 0.087 [2.20] | 0.024 [0.60] | LCQT-SOIC8    |
| 10   | MSOP10  | 0.6 [15.24] | 0.5 [12.7]  | 0.3 [7.62]  | 0.161 [4.10]  | 0.020 [0.50] | 0.039 [1.00] | 0.012 [0.30] | LCQT-MSOP10   |
| 14   | TSSOP14 | 0.7 [17.78] | 0.5 [12.70] | 0.3 [7.62]  | 0.230 [5.48]  | 0.026 [0.65] | 0.039 [1.00] | 0.012 [0.30] | LCQT-TSSOP14  |
| 14   | SOIC14  | 0.7 [17.78] | 0.7 [17.78] | 0.6 [15.24] | 0.205 [5.20]  | 0.050 [1.27] | 0.087 [2.20] | 0.024 [0.60] | LCQT-SOIC14   |
| 14   | SOIC14W | 0.7 [17.78] | 0.7 [17.78] | 0.6 [15.24] | 0.362 [9.20]  | 0.050 [1.27] | 0.087 [2.20] | 0.024 [0.60] | LCQT-SOIC14W  |
| 16   | TSSOP16 | 0.8 [20.32] | 0.7 [17.78] | 0.6 [15.24] | 0.314 [7.98]  | 0.026 [0.65] | 0.070 [1.78] | 0.017 [0.42] | LCQT-TSSOP16  |
| 16   | SOIC16  | 0.9 [22.8]  | 0.8 [20.3]  | 0.6 [15.24] | 0.314 [7.98]  | 0.050 [1.27] | 0.152 [3.86] | 0.026 [0.66] | LCQT-SOIC16   |
| 16   | SOIC16W | 0.9 [22.8]  | 0.8 [20.3]  | 0.6 [15.24] | 0.314 [7.98]  | 0.050 [1.27] | 0.152 [3.86] | 0.026 [0.66] | LCQT-SOIC16W  |
| 20   | TSSOP20 | 1.0 [25.4]  | 0.7 [17.78] | 0.6 [15.24] | 0.222 [5.64]  | 0.026 [0.65] | 0.012 [0.30] | 0.039 [0.99] | LCQT-TSSOP20  |
| 20   | SSOP20  | 1.0 [25.4]  | 0.7 [17.78] | 0.6 [15.24] | 0.285 [7.25]  | 0.026 [0.65] | 0.059 [1.50] | 0.016 [0.40] | LCQT-SSOP20   |
| 20   | SOIC20W | 1.0 [25.4]  | 0.7 [17.78] | 0.6 [15.24] | 0.396 [10.06] | 0.050 [1.27] | 0.080 [2.03] | 0.026 [0.66] | LCQT-SOIC20W  |
| 28   | TSSOP28 | 1.4 [35.56] | 0.7 [17.78] | 0.6 [15.24] | 0.228 [5.80]  | 0.026 [0.65] | 0.047 [1.20] | 0.014 [0.35] | LCQT-TSSOP28  |
| 28   | SOIC28  | 1.4 [35.56] | 0.7 [17.78] | 0.6 [15.24] | 0.380 [9.65]  | 0.050 [1.27] | 0.079 [2.00] | 0.031 [0.80] | LCQT-SOIC28   |
| 32   | SOIC32  | 1.6 [40.64] | 0.7 [17.78] | 0.6 [15.24] | 0.362 [9.20]  | 0.050 [1.27] | 0.087 [2.20] | 0.024 [0.60] | LCQT-SOIC32   |
| 32   | SOIC32W | 1.6 [40.64] | 0.7 [17.78] | 0.6 [15.24] | 0.425 [10.80] | 0.050 [1.27] | 0.087 [2.20] | 0.024 [0.60] | LCQT-SOIC32W  |
| 32   | TSOP I  | 1.6 [40.64] | 0.7 [17.78] | 0.6 [15.24] | 0.598 [15.20] | 0.020 [0.50] | 0.063 [1.60] | 0.012 [0.30] | LCQT-TSOP32-1 |
| 32   | TSOP I  | 2.0 [50.8]  | 0.7 [17.78] | 0.6 [15.24] | 0.776 [19.70] | 0.020 [0.50] | 0.047 [1.20] | 0.014 [0.36] | LCQT-TSOP32   |
| 40   | TSOP I  | 2.0 [50.8]  | 0.7 [17.78] | 0.6 [15.24] | 0.598 [15.20] | 0.020 [0.50] | 0.063 [1.60] | 0.012 [0.30] | LCQT-TSOP40   |
| 40   | TSOP I  | 2.0 [50.8]  | 0.7 [17.78] | 0.6 [15.24] | 0.756 [19.20] | 0.020 [0.50] | 0.063 [1.60] | 0.012 [0.30] | LCQT-TSOP40-1 |

• ALL DIMENSIONS: INCHES [MILLIMETERS] • ALL TOLERANCES:  $\pm 0.005$  [0.13] UNLESS OTHERWISE SPECIFIED • CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED



**ARIES**  
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA  
TEL 215-781-9956 • FAX 215-781-9845  
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM

19000  
Rev. 1.3  
1 of 1