

| CKTS | DIM A | DIM B |
|------|------------------------|------------------------|
| 2 | $\frac{.100}{(2.54)}$ | $\frac{.195}{(4.95)}$ |
| 3 | $\frac{.200}{(5.08)}$ | $\frac{.295}{(7.49)}$ |
| 4 | $\frac{.300}{(7.62)}$ | $\frac{.395}{(10.03)}$ |
| 5 | $\frac{.400}{(10.16)}$ | $\frac{.495}{(12.57)}$ |
| 6 | $\frac{.500}{(12.70)}$ | $\frac{.595}{(15.11)}$ |
| 7 | $\frac{.600}{(15.24)}$ | $\frac{.695}{(17.65)}$ |
| 8 | $\frac{.700}{(17.78)}$ | $\frac{.795}{(20.19)}$ |
| 9 | $\frac{.800}{(20.32)}$ | $\frac{.895}{(22.73)}$ |
| 10 | $\frac{.900}{(22.86)}$ | $\frac{.995}{(25.27)}$ |

1. MATERIAL: GLASS FILLED POLYESTER, RATED UL 94V-0, COLOR: NATURAL (WHITE)
PIN MATERIAL: 260 BRASS.

2. FINISH:

- (197) - OVERALL REFLOWED MATTE TIN: .000060/(0.00152) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
- (154) - OVERALL TIN: .000100/(0.00254) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
- (231) - SELECT GOLD: .000050/(0.00127) MIN.
SELECT MATTE TIN: .000100/(0.00254) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.

3. PRODUCT SPECIFICATIONS: PS-10-07.

4. PACKAGING: OPTION 1): BULK PER PK-43009-001.
OPTION 2): TUBE PER PK-44743-001.

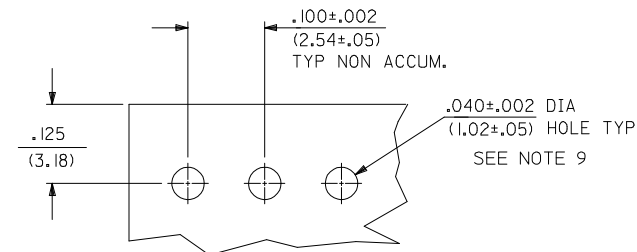
5. PIN PUSH OUT FORCE: 3 LBS. MIN. (PER CKT).

6. PARTS ARE STACKABLE END TO END ON .100/(2.54) CENTERS.

7. SOLDERABILITY PER ES-152.

8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

9. KINK PIN OPTION NOT RECOMMENDED FOR 2 CIRCUIT PARTS.
HOLE SIZE MAY NEED TO BE ADJUSTED FOR 2 CIRCUIT PARTS
WITH KINK OPTION FOR PROPER INSERTION INTO THE PCB.
SEE SMES-42003 FOR ADDITIONAL INFORMATION
ON KINK PIN DIRECTION AND PLACEMENT.

RECOMMENDED PC BOARD LAYOUT
(.062 THK)

| | | |
|-----------|-------|------|
| GEN. DOC. | 2-* | E1 |
| ME 10 | 1 | E2 |
| DOC. TYPE | SHEET | REV. |

| | | | | | | | | | |
|---|--------------------|--|---|--|---|---------------------------|--------------|------------------------|---------------------------|
| ADD NOTE 9 EC NO: UCP2013-1030 2012/09/12 DYNAMS TROH 2012/09/14 CHYKDM LPPER 2012/10/09 APPR:FSMITH | DESCRIPTION REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE IN/MM | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | F=0 C=0 H=0 | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- 0 PLACE ± ± --- | DRAWN BY DATE SAMIEC 01/28/92 CHECKED BY DATE PATEL 01/28/92 APPROVED BY DATE LENZ 01/28/92 | TITLE HEADER ASSEMBLY FRICTION LOCK .100 CENTERS molex | | | | |
| | | ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SDA-43009 | | SHEET NO. 1 OF * | |
| | | SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | |
| | | | | | | | | | |

| A-43009-0002/0010 | | | A-43009-0011/0019 | | | A-43009-0056/0064 | | | A-43009-0074/0081 | | |
|--------------------------------------|-------------|--------------------------|-------------------|--|-----------------|---------------------------------|-------------|-------------------------------|-------------------|---------------------------|-----------------|
| OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N |
| | Pin No. | 42663-0302 | | Pin No. | 42663-0302 | | Pin No. | 42663-0307 | | Pin No. | 42663-0302 |
| | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) |
| | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) |
| | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) |
| | Dim. G | N/A | | Dim. G | N/A | | Dim. G | .140/(3.56) | | Dim. G | N/A |
| | Dim. T | OVERALL | | Dim. T | OVERALL | | Dim. T | .135/(3.43) | | Dim. T | OVERALL |
| | Plating | 197 TIN | | Plating | 197 TIN | | Plating | 231 SGOLD | | Plating | 197 TIN |
| | No. of Ckts | 2-10 | | No. of Ckts | 2-10 | | No. of Ckts | 2-10 | | No. of Ckts | 3-10 |
| | Void Ckts | None | | Void Ckts | None | | Void Ckts | None | | Void Ckts | 2 |
| | Kink Pins | No | | Kink Pins | Yes | | Kink Pins | Yes | | Kink Pins | Yes |
| | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 |
| Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. |
| 2 | 22-23-5024 | A-43009-0002 | 2 | 22-23-5021 | A-43009-0011 | 2 | 43009-0056 | A-43009-0056 | 2 | | |
| 3 | 22-23-5034 | A-43009-0003 | 3 | 22-23-5031 | A-43009-0012 | 3 | 43009-0057 | A-43009-0057 | 3 | 43009-0074 | A-43009-0074 |
| 4 | 22-23-5044 | A-43009-0004 | 4 | 22-23-5041 | A-43009-0013 | 4 | 43009-0058 | A-43009-0058 | 4 | 43009-0075 | A-43009-0075 |
| 5 | 22-23-5054 | A-43009-0005 | 5 | 22-23-5051 | A-43009-0014 | 5 | 43009-0059 | A-43009-0059 | 5 | 43009-0076 | A-43009-0076 |
| 6 | 22-23-5064 | A-43009-0006 | 6 | 22-23-5061 | A-43009-0015 | 6 | 43009-0060 | A-43009-0060 | 6 | 43009-0077 | A-43009-0077 |
| 7 | 22-23-5074 | A-43009-0007 | 7 | 22-23-5071 | A-43009-0016 | 7 | 43009-0061 | A-43009-0061 | 7 | 43009-0078 | A-43009-0078 |
| 8 | 22-23-5084 | A-43009-0008 | 8 | 22-23-5081 | A-43009-0017 | 8 | 43009-0062 | A-43009-0062 | 8 | 43009-0079 | A-43009-0079 |
| 9 | 22-23-5094 | A-43009-0009 | 9 | 22-23-5091 | A-43009-0018 | 9 | 43009-0063 | A-43009-0063 | 9 | 43009-0080 | A-43009-0080 |
| 10 | 22-23-5104 | A-43009-0010 | 10 | 22-23-5101 | A-43009-0019 | 10 | 43009-0064 | A-43009-0064 | 10 | 43009-0081 | A-43009-0081 |
| | | | | | | | | | | | |
| REV: E1 | | SEE SHEET 1 5/31/2012 | | TITLE: HEADER ASSEMBLY FRICTION LOCK .100 CENTERS | | | | | | SHEET No. - 2 - | |
| DOCUMENT NUMBER: SDA-43009 | | | | CREATED / REVISED BY: MKIPPER | | CHECKED BY: BANDERSON | | APPROVED BY: FSMITH | | | |

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

| A-43009-0082/0089 | | | A-43009-0090/0097 | | | A-43009-0098/0106 | | | A-43009-0107/0115 | | |
|--|-------------|-----------------|----------------------------------|-------------|-----------------|--------------------------|-------------|-----------------|------------------------|-------------|-----------------|
| OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | 42009-N |
| | Pin No. | 42663-0302 | | Pin No. | 42663-0302 | | Pin No. | 42663-0309 | | Pin No. | 42663-0309 |
| | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) | | Dim. L | .560/(14.22) |
| | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) | | Dim. X | .295/(7.49) |
| | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) | | Dim. Z | .140/(3.56) |
| | Dim. G | N/A | | Dim. G | N/A | | Dim. G | N/A | | Dim. G | N/A |
| | Dim. T | OVERALL | | Dim. T | OVERALL | | Dim. T | OVERALL | | Dim. T | OVERALL |
| | Plating | 197 TIN | | Plating | 197 TIN | | Plating | 154 TIN | | Plating | 154 TIN |
| | No. of Ckts | 3-10 | | No. of Ckts | 3-10 | | No. of Ckts | 2-10 | | No. of Ckts | 2-10 |
| | Void Ckts | 3 | | Void Ckts | 3 | | Void Ckts | None | | Void Ckts | None |
| | Kink Pins | Yes | | Kink Pins | No | | Kink Pins | No | | Kink Pins | Yes |
| | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 |
| Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. |
| 2 | | | 2 | | | 2 | 50-34-1986 | A-43009-0098 | 2 | 50-34-1995 | A-43009-0107 |
| 3 | 43009-0082 | A-43009-0082 | 3 | 43009-0090 | A-43009-0090 | 3 | 50-34-1987 | A-43009-0099 | 3 | 50-34-1996 | A-43009-0108 |
| 4 | 43009-0083 | A-43009-0083 | 4 | 43009-0091 | A-43009-0091 | 4 | 50-34-1988 | A-43009-0100 | 4 | 50-34-1997 | A-43009-0109 |
| 5 | 43009-0084 | A-43009-0084 | 5 | 43009-0092 | A-43009-0092 | 5 | 50-34-1989 | A-43009-0101 | 5 | 50-34-1998 | A-43009-0110 |
| 6 | 43009-0085 | A-43009-0085 | 6 | 43009-0093 | A-43009-0093 | 6 | 50-34-1990 | A-43009-0102 | 6 | 50-34-1999 | A-43009-0111 |
| 7 | 43009-0086 | A-43009-0086 | 7 | 43009-0094 | A-43009-0094 | 7 | 50-34-1991 | A-43009-0103 | 7 | 50-30-4401 | A-43009-0112 |
| 8 | 43009-0087 | A-43009-0087 | 8 | 43009-0095 | A-43009-0095 | 8 | 50-34-1992 | A-43009-0104 | 8 | 50-30-4402 | A-43009-0113 |
| 9 | 43009-0088 | A-43009-0088 | 9 | 43009-0096 | A-43009-0096 | 9 | 50-34-1993 | A-43009-0105 | 9 | 50-30-4403 | A-43009-0114 |
| 10 | 43009-0089 | A-43009-0089 | 10 | 43009-0097 | A-43009-0097 | 10 | 50-34-1994 | A-43009-0106 | 10 | 50-30-4404 | A-43009-0115 |
| <div> <div> <div>REV:</div> <div>E1</div> </div> <div> <div>SEE SHEET 1</div> <div>5/31/2012</div> </div> <div> <div>TITLE:</div> <div> <div>HEADER ASSEMBLY FRICTION LOCK</div> <div>.100 CENTERS</div> </div> </div> <div> <div>SHEET No.</div> <div>- 3 -</div> </div> </div> | | | | | | | | | | | |
| DOCUMENT NUMBER: SDA-43009 | | | CREATED / REVISED BY: MKIPPER | | | CHECKED BY: BANDERSON | | | APPROVED BY: FSMITH | | |

| | | | | | | | | | | | |
|---|-------------|-----------------|-----------------------|-------------|-----------------|-------------|-------------|-----------------|--------------|-------------|-----------------|
| A-43009-0125/0130 | | | | | | | | | | | |
| OPTIONS | Header No. | 42009-N | OPTIONS | Header No. | | OPTIONS | Header No. | | OPTIONS | Header No. | |
| | Pin No. | 42663-0302 | | Pin No. | | | Pin No. | | | Pin No. | |
| | Dim. L | .560/(14.22) | | Dim. L | | | Dim. L | | | Dim. L | |
| | Dim. X | .295/(7.49) | | Dim. X | | | Dim. X | | | Dim. X | |
| | Dim. Z | .140/(3.56) | | Dim. Z | | | Dim. Z | | | Dim. Z | |
| | Dim. G | N/A | | Dim. G | | | Dim. G | | | Dim. G | |
| | Dim. T | OVERALL | | Dim. T | | | Dim. T | | | Dim. T | |
| | Plating | 197 TIN | | Plating | | | Plating | | | Plating | |
| | No. of Ckts | 5-10 | | No. of Ckts | | | No. of Ckts | | | No. of Ckts | |
| | Void Ckts | 5 | | Void Ckts | | | Void Ckts | | | Void Ckts | |
| | Kink Pins | No | | Kink Pins | | | Kink Pins | | | Kink Pins | |
| | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 | | Packaging | PK-43009-001 |
| Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. | Ckt | EDP No. | Engineering No. |
| 2 | | | 2 | | | 2 | | | 2 | | |
| 3 | | | 3 | | | 3 | | | 3 | | |
| 4 | | | 4 | | | 4 | | | 4 | | |
| 5 | | | 5 | | | 5 | | | 5 | | |
| 6 | | | 6 | | | 6 | | | 6 | | |
| 7 | 43009-0127 | A-43009-0127 | 7 | | | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | | | 8 | | |
| 9 | | | 9 | | | 9 | | | 9 | | |
| 10 | | | 10 | | | 10 | | | 10 | | |
| <div> <div>REV:</div> <div>SEE SHEET 1</div> <div>5/31/2012</div> </div> <div> <div>TITLE:</div> <div>HEADER ASSEMBLY FRICTION LOCK</div> <div>.100 CENTERS</div> </div> <div> <div>SHEET No.</div> <div>- 4 -</div> </div> | | | | | | | | | | | |
| DOCUMENT NUMBER: | | | CREATED / REVISED BY: | | | CHECKED BY: | | | APPROVED BY: | | |
| SDA-43009 | | | MKIPPER | | | BANDERSON | | | FSMITH | | |

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[43009-0086](#)