

6 5 4 3 2 1

D

C

B

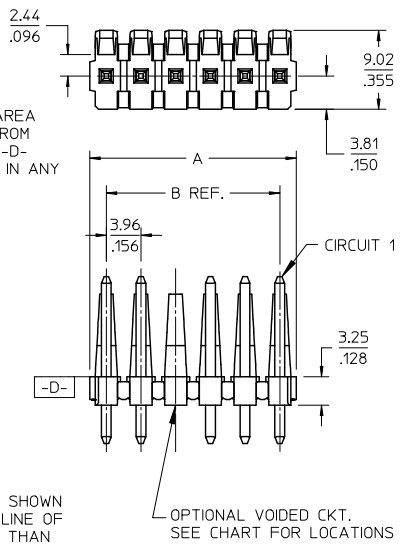
A

D

C

B

A



- NOTES:
- MATERIAL: POLYESTER, 94V-0, MOLDED BLACK
  - FINISH: PER ES-88
    - (102) OVERALL TIN: 0.00508/.000200 MIN.
    - OVERALL COPPER: 0.00254/.000100 MIN.
    - (222) OVERALL MATTE TIN: 0.00254/.000100 MIN.
    - OVERALL NICKEL: 0.00127/.000050 MIN.
    - (208) SELECT GOLD: 0.00038/.000015 MIN.
    - \*SELECT TIN: 0.00254/.000100 MIN.
    - OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
    - (228) SELECT GOLD: 0.00076/.000030 MIN.
    - \*SELECT TIN: 0.00254/.000100 MIN.
    - OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
    - (501) OVERALL GOLD: 0.00051/.000020 MIN.
    - OVERALL NICKEL: 0.00076/.000030 MIN.
    - (503) OVERALL GOLD: 0.00076/.000030 MIN.
    - OVERALL NICKEL: 0.00127/.000050 MIN.
  - THE PRIMARY SHIPPING CARTON WILL BE LABELED \*COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC\*. CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
  - PRODUCT SPECIFICATION: PS-08-50.
  - PACKAGING INFO: SEE TABLE.
  - SOLDERABILITY: PER SMES-152.
  - PIN PUSH-OUT FORCE: PRIOR TO SOLDERING, 3 LB MIN. FORCE IN EITHER DIRECTION SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
  - PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS. (SPACING TABS MUST BE REMOVED ON CIRCUIT SIZES 1-23 BEFORE PARTS ARE STACKABLE.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

| CKT | B     | A           |
|-----|-------|-------------|
| 2   | 3.96  | 6.78/7.87   |
|     | .156  | .267/1.310  |
| 3   | 7.92  | 10.74/11.84 |
|     | .312  | .423/1.466  |
| 4   | 11.89 | 14.71/15.80 |
|     | .468  | .579/1.622  |
| 5   | 15.85 | 18.67/19.76 |
|     | .624  | .735/1.778  |
| 6   | 19.81 | 22.63/23.72 |
|     | .780  | .891/1.934  |
| 7   | 23.77 | 26.59/27.69 |
|     | .936  | 1.047/1.090 |
| 8   | 27.74 | 30.56/31.65 |
|     | 1.092 | 1.203/1.246 |
| 9   | 31.70 | 34.52/35.61 |
|     | 1.248 | 1.359/1.402 |
| 10  | 35.66 | 38.48/39.57 |
|     | 1.404 | 1.515/1.558 |
| 11  | 39.62 | 42.44/43.54 |
|     | 1.560 | 1.671/1.714 |
| 12  | 43.59 | 46.41/47.50 |
|     | 1.716 | 1.827/1.870 |
| 13  | 47.55 | 50.37/51.46 |
|     | 1.872 | 1.983/2.026 |
| 14  | 51.51 | 54.33/55.42 |
|     | 2.028 | 2.139/2.182 |
| 15  | 55.47 | 58.29/59.39 |
|     | 2.184 | 2.295/2.338 |
| 16  | 59.44 | 62.26/63.35 |
|     | 2.340 | 2.451/2.494 |
| 17  | 63.40 | 66.22/67.31 |
|     | 2.496 | 2.607/2.650 |
| 18  | 67.36 | 70.18/71.27 |
|     | 2.652 | 2.763/2.806 |
| 19  | 71.32 | 74.14/75.23 |
|     | 2.808 | 2.919/2.962 |
| 20  | 75.29 | 78.11/79.20 |
|     | 2.964 | 3.075/3.118 |
| 21  | 79.25 | 82.07/83.16 |
|     | 3.120 | 3.231/3.274 |
| 22  | 83.21 | 86.03/87.12 |
|     | 3.276 | 3.387/3.430 |
| 23  | 87.17 | 89.94/91.08 |
|     | 3.432 | 3.541/3.586 |
| 24  | 91.14 | 93.85/95.00 |
|     | 3.588 | 3.695/3.740 |

A-41671-\*N\*\*--

OPTION -PIN- PACKING  
 A-BRASS -2161- BULK PACK  
 B-BRASS -2161- TUBE PACK  
 C-BRASS -43294- BULK PACK

NO OF CKTS  
 DIM M.L.P  
 PLATING

VOID LOCATIONS  
 BLANK=NO VOIDS  
 NO=CKT NO VOIDED  
 MULT=VOIDS=51 UP

PCB LAYOUT: COMPONENT SIDE  
 RECOMMENDED PCB THICKNESS:  
 1.57±.18/.062±.007

|     |     |
|-----|-----|
| 2-* | AJ  |
| 1   | AJ  |
| SHT | REV |

|                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                                      |                                                                                                                                                                                      |                                        |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------|
| CHANGE PIN<br>EC NO: UCP2009-1378<br>DRWN:MKIPPER 2008/12/08<br>CHKD:SSOUSEK 2008/12/08<br>APPR:FSMITH 2008/12/08<br>DESCRIPTION<br>REV<br>AJ | QUALITY SYMBOLS<br>▽=0<br>▽=0                                                                                                                                                         | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± 0.25 ± .015<br>1 PLACE ± 0.38 ± ---<br>ANGULAR ±1/2° | DIMENSION STYLE<br>MM/IN<br>DRAWN BY JSCHAFFER DATE 2004/04/05<br>CHECKED BY DATE<br>APPROVED BY KSAMIEC DATE 2004/04/05<br>DATE<br>MARGULIS 2004/04/05<br>MATERIAL NO.<br>SEE CHART | SCALE<br>1.5:1<br>DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|                                                                                                                                               | TITLE<br>KK 156 HEADER ASSEMBLY<br>FRICTION LOCK STRAIGHT<br>BREAKAWAY                                                                                                                |                                                                                                                                                                      |                                                                                                                                                                                      |                                        |                        |
|                                                                                                                                               | MOLEX MOLEX INCORPORATED<br>DOCUMENT NO. SD-41671-001 SHEET NO. 1 OF 8                                                                                                                |                                                                                                                                                                      |                                                                                                                                                                                      |                                        |                        |
|                                                                                                                                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                      |                                                                                                                                                                                      |                                        |                        |

tb\_frame\_A\_P\_AM\_T  
 Rev. E 2006/04/15

5 4 3 2 1

| Ckts | Material No             | Engineer Number | Material No                 | Engineer Number | Material No                 | Engineer Number |
|------|-------------------------|-----------------|-----------------------------|-----------------|-----------------------------|-----------------|
| 2    | 26-48-1025              | A-41671-A02A102 | 41671-0001                  | A-41671-C02A208 | 41671-0024                  | A-41671-C02A228 |
| 3    | 26-48-1035              | A-41671-A03A102 | 41671-0002                  | A-41671-C03A208 | 41671-0025                  | A-41671-C03A228 |
| 4    | 26-48-1045              | A-41671-A04A102 | 41671-0003                  | A-41671-C04A208 | 41671-0026                  | A-41671-C04A228 |
| 5    | 26-48-1055              | A-41671-A05A102 | 41671-0004                  | A-41671-C05A208 | 41671-0027                  | A-41671-C05A228 |
| 6    | 26-48-1065              | A-41671-A06A102 | 41671-0005                  | A-41671-C06A208 | 41671-0028                  | A-41671-C06A228 |
| 7    | 26-48-1075              | A-41671-A07A102 | 41671-0006                  | A-41671-C07A208 | 41671-0029                  | A-41671-C07A228 |
| 8    | 26-48-1085              | A-41671-A08A102 | 41671-0007                  | A-41671-C08A208 | 41671-0030                  | A-41671-C08A228 |
| 9    | 26-48-1095              | A-41671-A09A102 | 41671-0008                  | A-41671-C09A208 | 41671-0031                  | A-41671-C09A228 |
| 10   | 26-48-1105              | A-41671-A10A102 | 41671-0009                  | A-41671-C10A208 | 41671-0032                  | A-41671-C10A228 |
| 11   | 26-48-1115              | A-41671-A11A102 | 41671-0010                  | A-41671-C11A208 | 41671-0033                  | A-41671-C11A228 |
| 12   | 26-48-1125              | A-41671-A12A102 | 41671-0011                  | A-41671-C12A208 | 41671-0034                  | A-41671-C12A228 |
| 13   | 26-48-1135              | A-41671-A13A102 | 41671-0012                  | A-41671-C13A208 | 41671-0035                  | A-41671-C13A228 |
| 14   | 26-48-1145              | A-41671-A14A102 | 41671-0013                  | A-41671-C14A208 | 41671-0036                  | A-41671-C14A228 |
| 15   | 26-48-1155              | A-41671-A15A102 | 41671-0014                  | A-41671-C15A208 | 41671-0037                  | A-41671-C15A228 |
| 16   | 26-48-1165              | A-41671-A16A102 | 41671-0015                  | A-41671-C16A208 | 41671-0038                  | A-41671-C16A228 |
| 17   | 26-48-1175              | A-41671-A17A102 | 41671-0016                  | A-41671-C17A208 | 41671-0039                  | A-41671-C17A228 |
| 18   | 26-48-1185              | A-41671-A18A102 | 41671-0017                  | A-41671-C18A208 | 41671-0040                  | A-41671-C18A228 |
| 19   | 26-48-1195              | A-41671-A19A102 | 41671-0018                  | A-41671-C19A208 | 41671-0041                  | A-41671-C19A228 |
| 20   | 26-48-1205              | A-41671-A20A102 | 41671-0019                  | A-41671-C20A208 | 41671-0042                  | A-41671-C20A228 |
| 21   | 26-48-1215              | A-41671-A21A102 | 41671-0020                  | A-41671-C21A208 | 41671-0043                  | A-41671-C21A228 |
| 22   | 26-48-1225              | A-41671-A22A102 | 41671-0021                  | A-41671-C22A208 | 41671-0044                  | A-41671-C22A228 |
| 23   | 26-48-1235              | A-41671-A23A102 | 41671-0022                  | A-41671-C23A208 | 41671-0045                  | A-41671-C23A228 |
| 24   | 26-48-1245              | A-41671-A24A102 | 41671-0023                  | A-41671-C24A208 | 41671-0046                  | A-41671-C24A228 |
|      | STD TIN CATALOG PRODUCT |                 | STD 15 GOLD CATALOG PRODUCT |                 | STD 30 GOLD CATALOG PRODUCT |                 |

|                                                    |                                                                                      |                                                                                                        |                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>REV:</b><br><b>AJ</b>                           | <b>ECR/ECN INFORMATION:</b><br><b>EC. NO. UCP2009-1378</b><br><b>DATE: 12/8/2008</b> | <b>TITLE:</b><br><b>KK .156 HEADER ASSEMBLY</b><br><b>FRICITION LOCK STRAIGHT</b><br><b>2-24 CKTS.</b> | <b>SHEET No.</b><br><b>- 2 -</b>     |
| <b>DOCUMENT NUMBER:</b><br><b>SD - 41671 - 001</b> | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b>                                       | <b>CHECKED BY:</b><br><b>SSOUSEK</b>                                                                   | <b>APPROVED BY:</b><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC [SIZE\_A](V.1). DOC

| Group No:    | A-41671-ANA501 | Group No:       | A-41671-ANA503 | Group No:       | A-41671-AND102 | Group No:       | A-41671-ANB102 |                 |
|--------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Pin No:      | 2161-1 (501)   | Pin No:         | 2161 - 1(503)  | Pin No:         | 2161-56 (102)  | Pin No:         | 2161-1 (102)   |                 |
| Plating:     | 501 GOLD       | Plating:        | 503 GOLD       | Plating:        | 102 TIN        | Plating:        | 102 TIN        |                 |
| Pin Length L | .750 / 19.05   | Pin Length L    | .750 / 19.05   | Pin Length L    | .703 / 17.86   | Pin Length L    | .750 / 19.05   |                 |
| Mating M     | .450 / 11.43   | Mating M        | .450 / 11.43   | Mating M        | .450 / 11.43   | Mating M        | .523 / 13.28   |                 |
| Gold Loc G   | OVERALL        | Gold Loc G      | OVERALL        | Gold Loc G      | NA             | Gold Loc G      | NA             |                 |
| PC Tail P    | .172 / 4.37    | PC Tail P       | .172 / 4.37    | PC Tail P       | .125 / 3.18    | PC Tail P       | .099 / 2.51    |                 |
| Tin Loc T    | NA             | Tin Loc T       | NA             | Tin Loc T       | OVERALL        | Tin Loc T       | OVERALL        |                 |
| Voided Ckts  | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           |                 |
| Pack Per     | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   |                 |
| Ckts         | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number |
| 2            | 26-48-2025     | A-41671-A02A501 | 26-48-9026     | A-41671-A02A503 | 26-48-9023     | A-41671-A02D102 | 41671-0064     | A-41671-A02B102 |
| 3            | 26-48-2035     | A-41671-A03A501 | 41671-0047     | A-41671-A03A503 | 26-48-9033     | A-41671-A03D102 | 41671-0065     | A-41671-A03B102 |
| 4            | 26-48-2045     | A-41671-A04A501 | 41671-0048     | A-41671-A04A503 | 26-48-9043     | A-41671-A04D102 | 41671-0066     | A-41671-A04B102 |
| 5            | 26-48-2055     | A-41671-A05A501 | 26-48-9056     | A-41671-A05A503 | 26-48-9053     | A-41671-A05D102 | 41671-0067     | A-41671-A05B102 |
| 6            | 26-48-2065     | A-41671-A06A501 | 41671-0049     | A-41671-A06A503 | 26-48-9063     | A-41671-A06D102 | 41671-0068     | A-41671-A06B102 |
| 7            | 26-48-2075     | A-41671-A07A501 | 41671-0050     | A-41671-A07A503 | 26-48-9073     | A-41671-A07D102 | 41671-0069     | A-41671-A07B102 |
| 8            | 26-48-2085     | A-41671-A08A501 | 41671-0051     | A-41671-A08A503 | 26-48-9083     | A-41671-A08D102 | 41671-0070     | A-41671-A08B102 |
| 9            | 26-48-2095     | A-41671-A09A501 | 26-48-9096     | A-41671-A09A503 | 26-48-9093     | A-41671-A09D102 | 26-48-6095     | A-41671-A09B102 |
| 10           | 26-48-2105     | A-41671-A10A501 | 26-48-9106     | A-41671-A10A503 | 26-48-9103     | A-41671-A10D102 | 41671-0071     | A-41671-A10B102 |
| 11           | 26-48-2115     | A-41671-A11A501 | 41671-0052     | A-41671-A11A503 | 26-48-9113     | A-41671-A11D102 | 41671-0072     | A-41671-A11B102 |
| 12           | 26-48-2125     | A-41671-A12A501 | 26-48-9126     | A-41671-A12A503 | 26-48-9123     | A-41671-A12D102 | 41671-0073     | A-41671-A12B102 |
| 13           | 26-48-2135     | A-41671-A13A501 | 41671-0053     | A-41671-A13A503 | 26-48-9133     | A-41671-A13D102 | 41671-0074     | A-41671-A13B102 |
| 14           | 26-48-2145     | A-41671-A14A501 | 41671-0054     | A-41671-A14A503 | 26-48-9143     | A-41671-A14D102 | 41671-0075     | A-41671-A14B102 |
| 15           | 26-48-2155     | A-41671-A15A501 | 41671-0055     | A-41671-A15A503 | 26-48-9153     | A-41671-A15D102 | 41671-0076     | A-41671-A15B102 |
| 16           | 26-48-2165     | A-41671-A16A501 | 41671-0056     | A-41671-A16A503 | 26-48-9163     | A-41671-A16D102 | 41671-0077     | A-41671-A16B102 |
| 17           | 26-48-2175     | A-41671-A17A501 | 41671-0057     | A-41671-A17A503 | 26-48-9173     | A-41671-A17D102 | 41671-0078     | A-41671-A17B102 |
| 18           | 26-48-2185     | A-41671-A18A501 | 41671-0058     | A-41671-A18A503 | 26-48-9183     | A-41671-A18D102 | 41671-0079     | A-41671-A18B102 |
| 19           | 26-48-2195     | A-41671-A19A501 | 41671-0059     | A-41671-A19A503 | 26-48-9193     | A-41671-A19D102 | 41671-0080     | A-41671-A19B102 |
| 20           | 26-48-2205     | A-41671-A20A501 | 41671-0060     | A-41671-A20A503 | 26-48-9203     | A-41671-A20D102 | 41671-0081     | A-41671-A20B102 |
| 21           | 26-48-2215     | A-41671-A21A501 | 41671-0061     | A-41671-A21A503 | 26-48-9213     | A-41671-A21D102 | 41671-0082     | A-41671-A21B102 |
| 22           | 26-48-2225     | A-41671-A22A501 | 41671-0062     | A-41671-A22A503 | 26-48-9223     | A-41671-A22D102 | 41671-0083     | A-41671-A22B102 |
| 23           | 26-48-2235     | A-41671-A23A501 | 41671-0063     | A-41671-A23A503 | 26-48-9233     | A-41671-A23D102 | 41671-0084     | A-41671-A23B102 |
| 24           | 26-48-2245     | A-41671-A24A501 | 26-48-9246     | A-41671-A24A503 | 26-48-9243     | A-41671-A24D102 | 26-48-6245     | A-41671-A24B102 |

|                                                                   |                                                                               |                                                                                    |                               |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------|
| REV:<br><b>AJ</b>                                                 | ECR/ECN INFORMATION:<br>EC. NO. <b>UCP2009-1378</b><br>DATE: <b>12/8/2008</b> | TITLE:<br><b>KK .156 HEADER ASSEMBLY<br/>FRICTION LOCK STRAIGHT<br/>2-24 CKTS.</b> | SHEET No.<br><b>- 3 -</b>     |
| DOCUMENT NUMBER:<br><b>SD - 41671 - 001</b>                       | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       | CHECKED BY:<br><b>SSOUSEK</b>                                                      | APPROVED BY:<br><b>FSMITH</b> |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC [SIZE_A](V.1). DOC</small> |                                                                               |                                                                                    |                               |

|              |                |                 |                |                 |                |                 |                |                 |
|--------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Group No:    | A-41671-ANF102 | Group No:       | A-41671-ANB501 | Group No:       | A-41671-ANF501 | Group No:       | A-41671-ANN102 |                 |
| Pin No:      | 2161-24 (102)  | Pin No:         | 2161-1 (501)   | Pin No:         | 2161-24 (501)  | Pin No:         | 2161-19 (102)  |                 |
| Plating:     | 102 TIN        | Plating:        | 501 GOLD       | Plating:        | 501 GOLD       | Plating:        | 102 TIN        |                 |
| Pin Length L | .800 / 20.32   | Pin Length L    | .750 / 19.05   | Pin Length L    | .800 / 20.32   | Pin Length L    | 1.032 / 26.21  |                 |
| Mating M     | .480 / 12.19   | Mating M        | .523 / 13.28   | Mating M        | .480 / 12.19   | Mating M        | .450 / 11.43   |                 |
| Gold Loc G   | NA             | Gold Loc G      | OVERALL        | Gold Loc G      | OVERALL        | Gold Loc G      | NA             |                 |
| PC Tail P    | .192 / 4.88    | PC Tail P       | .099 / 2.51    | PC Tail P       | .192 / 4.88    | PC Tail P       | .454 / 11.53   |                 |
| Tin Loc T    | OVERALL        | Tin Loc T       | NA             | Tin Loc T       | NA             | Tin Loc T       | OVERALL        |                 |
| Voided Ckts  | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           |                 |
| Pack Per     | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   |                 |
| Ckts         | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number |
| 2            | 26-48-4026     | A-41671-A02F102 | 26-48-2027     | A-41671-A02B501 | 41671-0250     | A-41671-A02F501 |                | A-41671-A02N102 |
| 3            | 26-48-4036     | A-41671-A03F102 | 26-48-2037     | A-41671-A03B501 | 41671-0350     | A-41671-A03F501 |                | A-41671-A03N102 |
| 4            | 26-48-4046     | A-41671-A04F102 | 26-48-2047     | A-41671-A04B501 | 41671-0450     | A-41671-A04F501 |                | A-41671-A04N102 |
| 5            | 26-48-4056     | A-41671-A05F102 | 26-48-2057     | A-41671-A05B501 | 41671-0550     | A-41671-A05F501 |                | A-41671-A05N102 |
| 6            | 26-48-4066     | A-41671-A06F102 | 26-48-2067     | A-41671-A06B501 | 41671-0650     | A-41671-A06F501 |                | A-41671-A06N102 |
| 7            | 26-48-4076     | A-41671-A07F102 | 26-48-2077     | A-41671-A07B501 | 41671-0750     | A-41671-A07F501 |                | A-41671-A07N102 |
| 8            | 26-48-4086     | A-41671-A08F102 | 26-48-2087     | A-41671-A08B501 | 41671-0850     | A-41671-A08F501 |                | A-41671-A08N102 |
| 9            | 26-48-4096     | A-41671-A09F102 | 26-48-2097     | A-41671-A09B501 | 41671-0950     | A-41671-A09F501 |                | A-41671-A09N102 |
| 10           | 26-48-4106     | A-41671-A10F102 | 26-48-2107     | A-41671-A10B501 | 41671-1050     | A-41671-A10F501 |                | A-41671-A10N102 |
| 11           | 26-48-4116     | A-41671-A11F102 | 26-48-2117     | A-41671-A11B501 | 41671-1150     | A-41671-A11F501 |                | A-41671-A11N102 |
| 12           | 26-48-4126     | A-41671-A12F102 | 26-48-2127     | A-41671-A12B501 | 41671-1250     | A-41671-A12F501 |                | A-41671-A12N102 |
| 13           | 26-48-4136     | A-41671-A13F102 | 26-48-2137     | A-41671-A13B501 | 41671-1350     | A-41671-A13F501 |                | A-41671-A13N102 |
| 14           | 26-48-4146     | A-41671-A14F102 | 26-48-2147     | A-41671-A14B501 | 41671-1450     | A-41671-A14F501 |                | A-41671-A14N102 |
| 15           | 26-48-4156     | A-41671-A15F102 | 26-48-2157     | A-41671-A15B501 | 41671-1550     | A-41671-A15F501 |                | A-41671-A15N102 |
| 16           | 26-48-4166     | A-41671-A16F102 | 26-48-2167     | A-41671-A16B501 | 41671-1650     | A-41671-A16F501 |                | A-41671-A16N102 |
| 17           | 26-48-4176     | A-41671-A17F102 | 26-48-2177     | A-41671-A17B501 | 41671-1750     | A-41671-A17F501 |                | A-41671-A17N102 |
| 18           | 26-48-4186     | A-41671-A18F102 | 26-48-2187     | A-41671-A18B501 | 41671-1850     | A-41671-A18F501 |                | A-41671-A18N102 |
| 19           | 26-48-4196     | A-41671-A19F102 | 26-48-2197     | A-41671-A19B501 | 41671-1950     | A-41671-A19F501 |                | A-41671-A19N102 |
| 20           | 26-48-4206     | A-41671-A20F102 | 26-48-2207     | A-41671-A20B501 | 41671-2050     | A-41671-A20F501 |                | A-41671-A20N102 |
| 21           | 26-48-4216     | A-41671-A21F102 | 26-48-2217     | A-41671-A21B501 | 41671-2150     | A-41671-A21F501 |                | A-41671-A21N102 |
| 22           | 26-48-4226     | A-41671-A22F102 | 26-48-2227     | A-41671-A22B501 | 41671-2250     | A-41671-A22F501 |                | A-41671-A22N102 |
| 23           | 26-48-4236     | A-41671-A23F102 | 26-48-2237     | A-41671-A23B501 | 41671-2350     | A-41671-A23F501 |                | A-41671-A23N102 |
| 24           | 26-48-4246     | A-41671-A24F102 | 26-48-2247     | A-41671-A24B501 | 41671-2450     | A-41671-A24F501 | 26-48-8247     | A-41671-A24N102 |

|                                                                   |                                                                               |                                                                                    |                               |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------|
| REV:<br><b>AJ</b>                                                 | ECR/ECN INFORMATION:<br>EC. NO. <b>UCP2009-1378</b><br>DATE: <b>12/8/2008</b> | TITLE:<br><b>KK .156 HEADER ASSEMBLY<br/>FRICTION LOCK STRAIGHT<br/>2-24 CKTS.</b> | SHEET No.<br><b>- 4 -</b>     |
| DOCUMENT NUMBER:<br><b>SD - 41671 - 001</b>                       | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       | CHECKED BY:<br><b>SSOUSEK</b>                                                      | APPROVED BY:<br><b>FSMITH</b> |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC [SIZE_A](V.1). DOC</small> |                                                                               |                                                                                    |                               |

| Group No:    | A-41671-CNP228 | Group No:       | A-41671-CNR208 | Group No:       | A-41671-ANT102 | Group No:       | A-41671-ANA122 |                 |
|--------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Pin No:      | 43294-0282     | Pin No:         | 43294-0344     | Pin No:         | 2161-37 (102)  | Pin No:         | 2161-1 (122)   |                 |
| Plating:     | 228 30 GOLD    | Plating:        | 208 15 GOLD    | Plating:        | 102 TIN        | Plating:        | 122 TIN        |                 |
| Pin Length L | .800 / 20.32   | Pin Length L    | .870 / 22.10   | Pin Length L    | 1.100 / 27.94  | Pin Length L    | .750 / 19.05   |                 |
| Mating M     | .523 / 13.28   | Mating M        | .450 / 11.43   | Mating M        | .486 / 12.34   | Mating M        | .450 / 11.43   |                 |
| Gold Loc G   | .350 / 8.89    | Gold Loc G      | .400 / 10.16   | Gold Loc G      | NA             | Gold Loc G      | NA             |                 |
| PC Tail P    | .149 / 3.78    | PC Tail P       | .292 / 7.42    | PC Tail P       | .486 / 12.34   | PC Tail P       | .172 / 4.37    |                 |
| Tin Loc T    | .200 / 5.08    | Tin Loc T       | .200 / 5.08    | Tin Loc T       | OVERALL        | Tin Loc T       | OVERALL        |                 |
| Voided Ckts  | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           | Voided Ckts     | NONE           |                 |
| Pack Per     | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   | Pack Per        | PK-41671-001   |                 |
| Ckts         | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number | Material No    | Engineer Number |
| 2            | 41671-2451     | A-41671-C02P228 | 41671-2474     | A-41671-C02R208 | 41671-3400     | A-41671-A02T102 | 41671-3423     | A-41671-A02A122 |
| 3            | 41671-2452     | A-41671-C03P228 | 41671-2475     | A-41671-C03R208 | 41671-3401     | A-41671-A03T102 | 41671-3424     | A-41671-A03A122 |
| 4            | 41671-2453     | A-41671-C04P228 | 41671-2476     | A-41671-C04R208 | 41671-3402     | A-41671-A04T102 | 41671-3425     | A-41671-A04A122 |
| 5            | 41671-2454     | A-41671-C05P228 | 41671-2477     | A-41671-C05R208 | 41671-3403     | A-41671-A05T102 | 41671-3426     | A-41671-A05A122 |
| 6            | 41671-2455     | A-41671-C06P228 | 41671-2478     | A-41671-C06R208 | 41671-3404     | A-41671-A06T102 | 41671-3427     | A-41671-A06A122 |
| 7            | 41671-2456     | A-41671-C07P228 | 41671-2479     | A-41671-C07R208 | 41671-3405     | A-41671-A07T102 | 41671-3428     | A-41671-A07A122 |
| 8            | 41671-2457     | A-41671-C08P228 | 41671-2480     | A-41671-C08R208 | 41671-3406     | A-41671-A08T102 | 41671-3429     | A-41671-A08A122 |
| 9            | 41671-2458     | A-41671-C09P228 | 41671-2481     | A-41671-C09R208 | 41671-3407     | A-41671-A09T102 | 41671-3430     | A-41671-A09A122 |
| 10           | 41671-2459     | A-41671-C10P228 | 41671-2482     | A-41671-C10R208 | 41671-3408     | A-41671-A10T102 | 41671-3431     | A-41671-A10A122 |
| 11           | 41671-2460     | A-41671-C11P228 | 41671-2483     | A-41671-C11R208 | 41671-3409     | A-41671-A11T102 | 41671-3432     | A-41671-A11A122 |
| 12           | 41671-2461     | A-41671-C12P228 | 41671-2484     | A-41671-C12R208 | 41671-3410     | A-41671-A12T102 | 41671-3433     | A-41671-A12A122 |
| 13           | 41671-2462     | A-41671-C13P228 | 41671-2485     | A-41671-C13R208 | 41671-3411     | A-41671-A13T102 | 41671-3434     | A-41671-A13A122 |
| 14           | 41671-2463     | A-41671-C14P228 | 41671-2486     | A-41671-C14R208 | 41671-3412     | A-41671-A14T102 | 41671-3435     | A-41671-A14A122 |
| 15           | 41671-2464     | A-41671-C15P228 | 41671-2487     | A-41671-C15R208 | 41671-3413     | A-41671-A15T102 | 41671-3436     | A-41671-A15A122 |
| 16           | 41671-2465     | A-41671-C16P228 | 41671-2488     | A-41671-C16R208 | 41671-3414     | A-41671-A16T102 | 41671-3437     | A-41671-A16A122 |
| 17           | 41671-2466     | A-41671-C17P228 | 41671-2489     | A-41671-C17R208 | 41671-3415     | A-41671-A17T102 | 41671-3438     | A-41671-A17A122 |
| 18           | 41671-2467     | A-41671-C18P228 | 41671-2490     | A-41671-C18R208 | 41671-3416     | A-41671-A18T102 | 41671-3439     | A-41671-A18A122 |
| 19           | 41671-2468     | A-41671-C19P228 | 41671-2491     | A-41671-C19R208 | 41671-3417     | A-41671-A19T102 | 41671-3440     | A-41671-A19A122 |
| 20           | 41671-2469     | A-41671-C20P228 | 41671-2492     | A-41671-C20R208 | 41671-3418     | A-41671-A20T102 | 41671-3441     | A-41671-A20A122 |
| 21           | 41671-2470     | A-41671-C21P228 | 41671-2493     | A-41671-C21R208 | 41671-3419     | A-41671-A21T102 | 41671-3442     | A-41671-A21A122 |
| 22           | 41671-2471     | A-41671-C22P228 | 41671-2494     | A-41671-C22R208 | 41671-3420     | A-41671-A22T102 | 41671-3443     | A-41671-A22A122 |
| 23           | 41671-2472     | A-41671-C23P228 | 41671-2495     | A-41671-C23R208 | 41671-3421     | A-41671-A23T102 | 41671-3444     | A-41671-A23A122 |
| 24           | 41671-2473     | A-41671-C24P228 | 41671-2496     | A-41671-C24R208 | 41671-3422     | A-41671-A24T102 | 41671-3445     | A-41671-A24A122 |

|                                                                   |                                                                                      |                                                                                           |                                      |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------|
| <u>REV:</u><br><b>AJ</b>                                          | <u>ECR/ECN INFORMATION:</u><br><b>EC. NO. UCP2009-1378</b><br><b>DATE: 12/8/2008</b> | <u>TITLE:</u><br><b>KK .156 HEADER ASSEMBLY<br/>FRICTION LOCK STRAIGHT<br/>2-24 CKTS.</b> | <u>SHEET No.</u><br><b>- 5 -</b>     |
| <u>DOCUMENT NUMBER:</u><br><b>SD - 41671 - 001</b>                | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                       | <u>CHECKED BY:</u><br><b>SSOUSEK</b>                                                      | <u>APPROVED BY:</u><br><b>FSMITH</b> |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC [SIZE_A](V.1). DOC</small> |                                                                                      |                                                                                           |                                      |

|              |                                |           |              |                                |           |              |                                |                        |
|--------------|--------------------------------|-----------|--------------|--------------------------------|-----------|--------------|--------------------------------|------------------------|
| Group No:    | A-41671-ANA102-* REF SEE SHT 1 |           | Group No:    | A-41671-ANA102-* REF SEE SHT 1 |           | Group No:    | A-41671-ANA102-* REF SEE SHT 1 |                        |
| Pin No:      |                                |           | Pin No:      |                                |           | Pin No:      |                                |                        |
| Plating:     |                                |           | Plating:     |                                |           | Plating:     |                                |                        |
| Pin Length L |                                |           | Pin Length L |                                |           | Pin Length L |                                |                        |
| Mating M     |                                |           | Mating M     |                                |           | Mating M     |                                |                        |
| Gold Loc G   |                                |           | Gold Loc G   |                                |           | Gold Loc G   |                                |                        |
| PC Tail P    |                                |           | PC Tail P    |                                |           | PC Tail P    |                                |                        |
| Tin Loc T    |                                |           | Tin Loc T    |                                |           | Tin Loc T    |                                |                        |
| Voided Ckts  | SEE CHART BELOW                |           | Voided Ckts  | SEE CHART BELOW                |           | Voided Ckts  | SEE CHART BELOW                |                        |
| Pack Per     |                                |           | Pack Per     |                                |           | Pack Per     |                                |                        |
| Material No  | Engineer Number                | Void Ckts | Material No  | Engineer Number                | Void Ckts | Material No  | Engineer Number                | Void Ckts              |
| 26-50-3030   | A-41671-A03A102-2              | 2         | 26-50-3073   | A-41671-A07A102-3              | 3         | 26-50-3202   | A-41671-A20A102-51             | 2,4,6,8<br>10,12,14,16 |
| 26-50-3040   | A-41671-A04A102-2              | 2         | 26-50-5080   | A-41671-A08A102-51             | 2,4       | 26-50-3167   | A-41671-A16A102-53             | 2,4,6,8                |
| 26-50-3050   | A-41671-A05A102-2              | 2         | 26-50-3063   | A-41671-A06A102-3              | 3         | 26-50-3152   | A-41671-A15A102-52             | 4,6,8,10,12,14         |
| 26-50-3060   | A-41671-A06A102-2              | 2         | 26-50-3071   | A-41671-A07A102-52             | 2,4,6     | 26-50-3126   | A-41671-A12A102-53             | 2,3,5,6,8,10           |
| 26-50-3070   | A-41671-A07A102-2              | 2         | 26-50-3051   | A-41671-A05A102-51             | 2,4       | 26-50-3240   | A-41671-A24A102-2              | 2                      |
| 26-50-3080   | A-41671-A08A102-2              | 2         | 26-50-3062   | A-41671-A06A102-4              | 4         | 26-50-5090   | A-41671-A10A102-55             | 2,5                    |
| 26-50-3090   | A-41671-A09A102-2              | 2         | 26-50-3068   | A-41671-A06A102-6              | 6         | 41671-3100   | A-41671-A05A102-3              | 3                      |
| 26-50-3100   | A-41671-A10A102-2              | 2         | 26-50-3111   | A-41671-A11A102-51             | 5,10      | 41671-3112   | A-41671-A14A102-12             | 12                     |
| 26-50-3110   | A-41671-A11A102-2              | 2         | 26-50-3065   | A-41671-A06A102-5              | 5         | 41671-3113   | A-41671-A14A102-51             | 11, 12                 |
| 26-50-3120   | A-41671-A12A102-2              | 2         | 26-50-3054   | A-41671-A05A102-4              | 4         | 41671-3446   | A-41671-A06A102-55             | 1, 3, 5                |
| 26-50-3130   | A-41671-A13A102-2              | 2         | 26-50-3154   | A-41671-A15A102-4              | 4         |              |                                |                        |
| 26-50-3140   | A-41671-A14A102-2              | 2         | 26-50-3145   | A-41671-A14A102-55             | 2,4,8,12  |              |                                |                        |
| 26-50-3150   | A-41671-A15A102-2              | 2         | 26-50-3155   | A-41671-A15A102-54             | 3,10,13   |              |                                |                        |
| 26-50-3160   | A-41671-A16A102-2              | 2         | 26-50-3066   | A-41671-A6A102-54              | 2,4       |              |                                |                        |
| 26-50-3170   | A-41671-A17A102-2              | 2         | 26-50-3108   | A-41671-A10A102-53             | 3,10      |              |                                |                        |
| 26-50-3180   | A-41671-A18A102-2              | 2         | 26-50-3103   | A-41671-A10A102-7              | 7         |              |                                |                        |
| 26-50-3190   | A-41671-A19A102-2              | 2         | 26-50-3087   | A-41671-A8A102-52              | 5,7       |              |                                |                        |
| 26-50-3200   | A-41671-A20A102-2              | 2         | 26-50-5081   | A-41671-A08A102-6              | 6         |              |                                |                        |
| 26-50-3210   | A-41671-A21A102-2              | 2         | 26-50-3132   | A-41671-A13A102-5              | 5         |              |                                |                        |
| 26-50-3220   | A-41671-A22A102-2              | 2         | 26-50-3165   | A-41671-A16A102-52             | 2,15      |              |                                |                        |
| 26-50-3230   | A-41671-A23A102-2              | 2         | 41671-0085   | A-41671-A10A102-56             | 5,8       |              |                                |                        |

|                                             |                                                                               |                                                                                    |                               |
|---------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------|
| REV:<br><b>AJ</b>                           | ECR/ECN INFORMATION:<br>EC. NO. <b>UCP2009-1378</b><br>DATE: <b>12/8/2008</b> | TITLE:<br><b>KK .156 HEADER ASSEMBLY<br/>FRICTION LOCK STRAIGHT<br/>2-24 CKTS.</b> | SHEET No.<br><b>- 6 -</b>     |
| DOCUMENT NUMBER:<br><b>SD - 41671 - 001</b> | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       | CHECKED BY:<br><b>SSOUSEK</b>                                                      | APPROVED BY:<br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC [SIZE\_A](V.1). DOC



