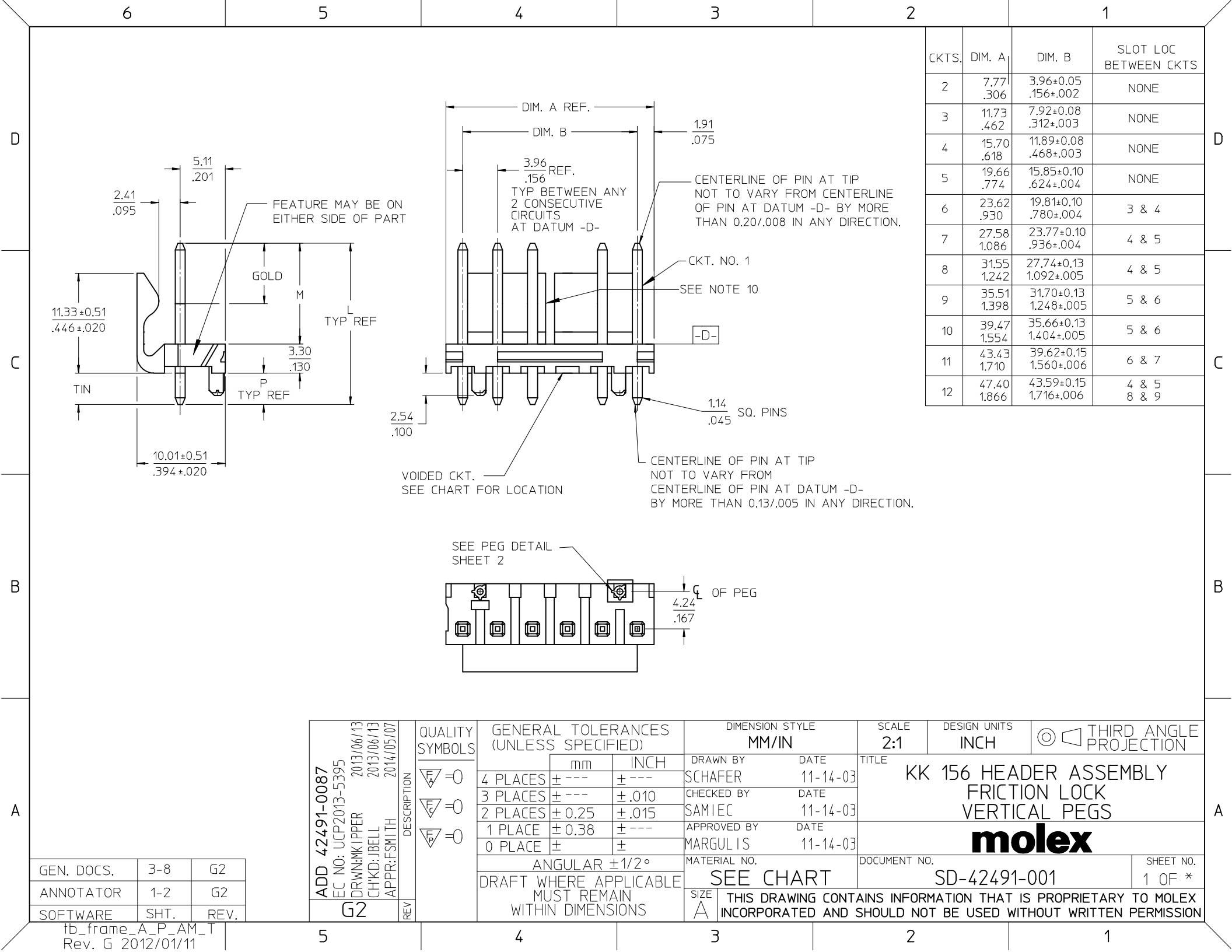




|            |      |      |
|------------|------|------|
| GEN. DOCS. | 3-8  | G2   |
| ANNOTATOR  | 1-2  | G2   |
| SOFTWARE   | SHT. | REV. |

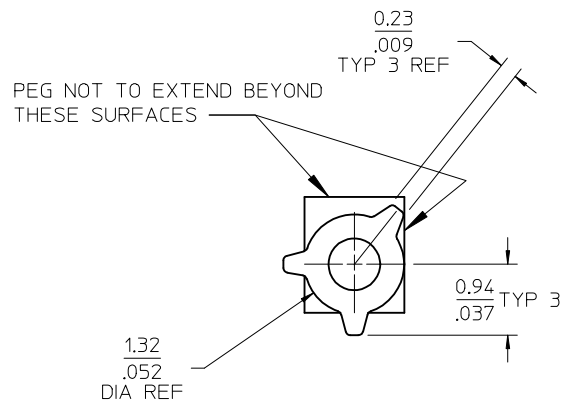
|                |                     |              |            |             |            |             |            |
|----------------|---------------------|--------------|------------|-------------|------------|-------------|------------|
| ADD 42491-0087 | EC NO: UCP2013-5395 | DRWN:MKIPPER | 2013/06/13 | CH'KD:JBELL | 2013/06/13 | APPR:FSM TH | 2014/05/07 |
| G2             | REV                 | DESCRIPTION  |            |             |            |             |            |

| QUALITY SYMBOLS |
|-----------------|
| = 0             |
| = 0             |
| = 0             |
| = 0             |
| = 0             |

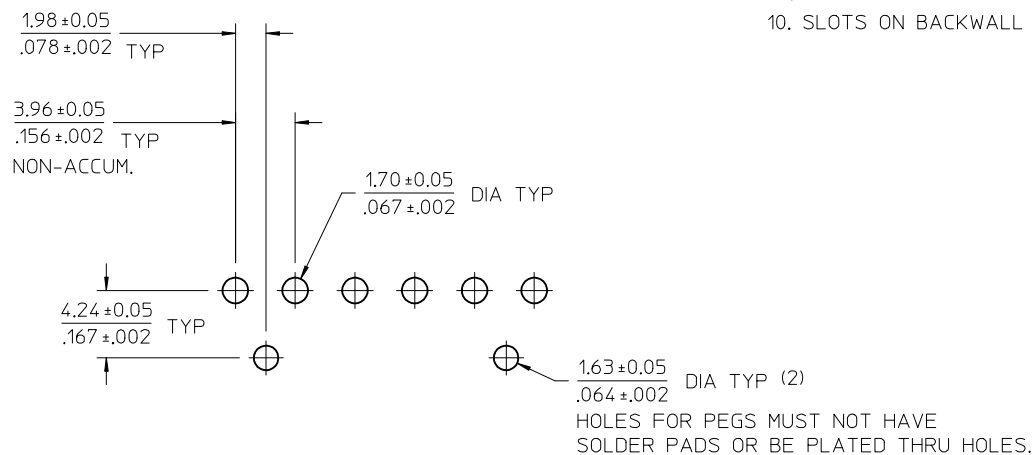
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |        |
|------------------------------------------------------|--------|--------|
|                                                      | mm     | INCH   |
| 4 PLACES                                             | ± ---  | ± ---  |
| 3 PLACES                                             | ± ---  | ± .010 |
| 2 PLACES                                             | ± 0.25 | ± .015 |
| 1 PLACE                                              | ± 0.38 | ± ---  |
| 0 PLACE                                              | ±      | ±      |
| ANGULAR ±1/2°                                        |        |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |        |

| DIMENSION STYLE |          |
|-----------------|----------|
| MM/IN           |          |
| DRAWN BY        | DATE     |
| SCHAFFER        | 11-14-03 |
| CHECKED BY      | DATE     |
| SAMIEC          | 11-14-03 |
| APPROVED BY     | DATE     |
| MARGULIS        | 11-14-03 |
| MATERIAL NO.    |          |
| SEE CHART       |          |
| SIZE            | A        |

|                                                                                                                                  |                      |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>2:1                                                                                                                     | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |
| TITLE<br>KK 156 HEADER ASSEMBLY<br>FRICTION LOCK<br>VERTICAL PEGS                                                                |                      |                                                                                                                 |
| molex                                                                                                                            |                      |                                                                                                                 |
| DOCUMENT NO.<br>SD-42491-001                                                                                                     |                      | SHEET NO.<br>1 OF *                                                                                             |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                                                                                                                 |



PEG DETAIL  
SCALE 10 : 1



PCB LAYOUT: COMPONENT SIDE

NOTES:

1. MATERIAL: HEADER-POLYESTER, 94V-0, MOLDED NATURAL (WHITE)  
PINS: BRASS
2. FINISHES: (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN.  
OVER 0.00127/.000050 MIN. NICKEL OVERALL.  
(208) SELECT GOLD 0.00038/.000015 MIN. SELECT TIN 0.00254/.000100 MIN. OVER NICKEL  
(228) SELECT GOLD 0.00076/.000030 MIN. SELECT TIN 0.00254/.000100 MIN. OVER NICKEL  
(241) SELECT GOLD: 0.00051/.000020 MIN.  
SELECT TIN: 0.00254/.000100 MIN.  
OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
3. PRODUCT SPECIFICATION: SEE PS-08-50.
4. PACKAGING INFORMATION: SEE CHARTS.
5. SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TEMPERATURE OF 230°C (446°F)  
FOR 5 SECONDS, EACH SOLDERED SURFACE SHALL BE A MINIMUM OF 95% COVERED.
6. PIN PUSH OUT FORCE: PRIOR TO SOLDERING = 3 LB MINIMUM FORCE (IN EITHER DIRECTION)  
SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
7. PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERS.
8. FOR PART WITHOUT PEGS SEE DWG. NO. SDA-41791.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
10. SLOTS ON BACKWALL ARE BETWEEN CIRCUITS. SEE CHART FOR LOCATION.

|                                                                                                                  |             |                 |                                                            |        |        |                          |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|--------|--------|--------------------------|------------------|-------------------------------------------------------------------|----------------------|------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2013-5395<br>DRWN:MKIPPER 2013/06/13<br>CHKD:JBELL 2013/06/13<br>APPR:FSMITH 2014/05/07 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |        | DIMENSION STYLE<br>MM/IN |                  | SCALE<br>1:1                                                      | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION    |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 |                                                            | mm     | INCH   | DRAWN BY<br>SCHAFFER     | DATE<br>11-14-03 | TITLE<br>KK 156 HEADER ASSEMBLY<br>FRICTION LOCK<br>VERTICAL PEGS |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | 4 PLACES                                                   | ± ---  | ± ---  | CHECKED BY<br>SAMIEC     | DATE<br>11-14-03 |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | 3 PLACES                                                   | ± ---  | ± .010 | APPROVED BY<br>MARGULIS  |                  | DATE<br>11-14-03                                                  |                      | DOCUMENT NO.<br>SD-42491-001 |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | 2 PLACES                                                   | ± 0.25 | ± .015 |                          |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | 1 PLACE                                                    | ± 0.38 | ± ---  | SHEET NO.<br>2 OF *      |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | 0 PLACE                                                    | ±      | ±      |                          |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | ANGULAR ±1/2°                                              |        |        | MATERIAL NO.             |                  | SEE CHART                                                         |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |        |                          |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |
|                                                                                                                  |             |                 | SIZE<br>A                                                  |        |        |                          |                  |                                                                   |                      |                              |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |
|                                                                                                                  |             |                 |                                                            |        |        |                          |                  |                                                                   |                      |                              |  |  |                                                                                                                                  |  |  |

|         |              |                   |              |                   |              |                   |              |                 |
|---------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-----------------|
| OPTIONS | Group        | A-42491-0002/0018 | Group        | A-42491-0312/0328 | Group        | A-42491-0329/0345 | Group        |                 |
|         | Header No:   | 41790-0019/0035   | Header No:   | 41790-0019/0035   | Header No:   | 41790-0019/0035   | Header No:   |                 |
|         | Pin No:      | 43294-0214        | Pin No:      | 43294-0209        | Pin No:      | 43294-0210        | Pin No:      |                 |
|         | Plating:     | 197 – TIN         | Plating:     | 208 – 15 GOLD     | Plating:     | 228 – 30 GOLD     | Plating:     |                 |
|         | Pin Length L | 18.29 / .720      | Pin Length L | 18.29/. 720       | Pin Length L | 18.29/. 720       | Pin Length L |                 |
|         | Mating M     | 11.43 / .450      | Mating M     | 11.43/. 450       | Mating M     | 11.43/. 450       | Mating M     |                 |
|         | Gold Loc G   | N/A               | Gold Loc G   | 6.86/. 270        | Gold Loc G   | 6.86/. 270        | Gold Loc G   |                 |
|         | PC Tail P    | 3.56 / .140       | PC Tail P    | 3.56/. 140        | PC Tail P    | 3.56/. 140        | PC Tail P    |                 |
|         | Tin Loc T    | OVERALL           | Tin Loc T    | 4.06/. 160        | Tin Loc T    | 4.06/. 160        | Tin Loc T    |                 |
|         | Voided Ckts  | NONE              | Voided Ckts  | NONE              | Voided CKts  | NONE              | Voided Ckts  |                 |
|         | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     |                 |
|         |              |                   |              |                   |              |                   |              |                 |
| Ckts    | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number |
| 2       | 26-64-4020   | A-42491-0002      | 42491-0312   | A-42491-0312      | 42491-0329   | A-42491-0329      |              |                 |
| 3       | 26-64-4030   | A-42491-0003      | 42491-0313   | A-42491-0313      | 42491-0330   | A-42491-0330      |              |                 |
| 4       | 26-64-4040   | A-42491-0004      | 42491-0314   | A-42491-0314      | 42491-0331   | A-42491-0331      |              |                 |
| 5       | 26-64-4050   | A-42491-0005      | 42491-0315   | A-42491-0315      | 42491-0332   | A-42491-0332      |              |                 |
| 6       | 26-64-4060   | A-42491-0006      | 42491-0316   | A-42491-0316      | 42491-0333   | A-42491-0333      |              |                 |
| 7       | 26-64-4070   | A-42491-0007      | 42491-0317   | A-42491-0317      | 42491-0334   | A-42491-0334      |              |                 |
| 8       | 26-64-4080   | A-42491-0008      | 42491-0318   | A-42491-0318      | 42491-0335   | A-42491-0335      |              |                 |
| 9       | 26-64-4090   | A-42491-0009      | 42491-0319   | A-42491-0319      | 42491-0336   | A-42491-0336      |              |                 |
| 10      | 26-64-4100   | A-42491-0010      | 42491-0320   | A-42491-0320      | 42491-0337   | A-42491-0337      |              |                 |
| 11      | 26-64-4110   | A-42491-0011      | 42491-0321   | A-42491-0321      | 42491-0338   | A-42491-0338      |              |                 |
| 12      | 26-64-4120   | A-42491-0012      | 42491-0322   | A-42491-0322      | 42491-0339   | A-42491-0339      |              |                 |

|                                          |                            |                                                                             |                             |
|------------------------------------------|----------------------------|-----------------------------------------------------------------------------|-----------------------------|
| REV:<br><b>G2</b>                        | ECR/ECN INFORMATION        | TITLE:<br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> | SHEET No.<br><b>- 3 -</b>   |
|                                          | EC NO: <b>UCP2013-5395</b> |                                                                             |                             |
|                                          | DATE: <b>5/9/2014</b>      |                                                                             |                             |
| DOCUMENT NUMBER:<br><b>SD- 42491-001</b> |                            | CREATED / REVISED BY:<br><b>MKIPPER</b>                                     | CHECKED BY:<br><b>JBELL</b> |
|                                          |                            | APPROVED BY:<br><b>FSMITH</b>                                               |                             |

|         |              |                   |              |                   |              |                   |              |                   |
|---------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| OPTIONS | Group        | A-42491-0019/0035 | Group        | A-42491-0036/0052 | Group        | A-42491-0059/0074 | Group        | A-42491-0086-0100 |
|         | Header No:   | 41790-0019/0035   | Header No:   | 41790-0019/0035   | Header No:   | 41790-0020/0035   | Header No:   | 41790-0021/0035   |
|         | Pin No:      | 43294-0215        | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        |
|         | Plating:     | 241 - GOLD        | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         |
|         | Pin Length L | 18.29 / .720      | Pin Length L | 18.29/. 720       | Pin Length L | 18.29/. 720       | Pin Length L | 18.29/. 720       |
|         | Mating M     | 11.43 / .450      | Mating M     | 11.43/. 450       | Mating M     | 11.43/. 450       | Mating M     | 11.43/. 450       |
|         | Gold Loc G   | 6.85/ .270        | Gold Loc G   | N/A               | Gold Loc G   | N/A               | Gold Loc G   | N/A               |
|         | PC Tail P    | 3.56 / .140       | PC Tail P    | 3.56/. 140        | PC Tail P    | 3.56/. 140        | PC Tail P    | 3.56/. 140        |
|         | Tin Loc T    | 4.06/ .160        | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           |
|         | Voided Ckts  | NONE              | Voided Ckts  | 2                 | Voided CKts  | 3                 | Voided Ckts  | 2, 4              |
|         | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      |
|         |              |                   |              |                   |              |                   |              |                   |
| Ckts    | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2       | 26-65-4020   | A-42491-0019      |              |                   |              |                   |              |                   |
| 3       | 26-65-4030   | A-42491-0020      | 26-62-4035   | A-42491-0037      | 27-62-4032   | A-42491-0059      |              |                   |
| 4       | 26-65-4040   | A-42491-0021      | 26-62-4045   | A-42491-0038      | 27-62-4042   | A-42491-0060      |              | A-42491-0086      |
| 5       | 26-65-4050   | A-42491-0022      | 26-62-4055   | A-42491-0039      | 27-62-4052   | A-42491-0061      | 42491-0087   | A-42491-0087      |
| 6       | 26-65-4060   | A-42491-0023      | 26-62-4065   | A-42491-0040      | 27-62-4062   | A-42491-0062      | 27-60-4061   | A-42491-0088      |
| 7       | 26-65-4070   | A-42491-0024      | 26-62-4075   | A-42491-0041      | 27-62-4072   | A-42491-0063      |              | A-42491-0089      |
| 8       | 26-65-4080   | A-42491-0025      | 26-62-4085   | A-42491-0042      | 27-62-4082   | A-42491-0064      |              | A-42491-0090      |
| 9       | 26-65-4090   | A-42491-0026      | 26-62-4095   | A-42491-0043      | 27-62-4092   | A-42491-0065      |              | A-42491-0091      |
| 10      | 26-65-4100   | A-42491-0027      | 26-62-4105   | A-42491-0044      | 27-62-4102   | A-42491-0066      |              | A-42491-0092      |
| 11      | 26-65-4110   | A-42491-0028      | 26-62-4115   | A-42491-0045      | 27-62-4112   | A-42491-0067      |              | A-42491-0093      |
| 12      | 26-65-4120   | A-42491-0029      | 26-62-4125   | A-42491-0046      | 27-62-4122   | A-42491-0068      |              | A-42491-0094      |

|                                                     |                                   |  |                                                                                        |  |                                        |                                      |                                          |  |
|-----------------------------------------------------|-----------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------|--------------------------------------|------------------------------------------|--|
| REV:<br><br><b>G2</b>                               | <u>ECR/ECN INFORMATION</u>        |  | <u>TITLE:</u><br><br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> |  |                                        | <u>SHEET No.</u><br><br><b>- 4 -</b> |                                          |  |
|                                                     | <u>EC NO:</u> <b>UCP2013-5395</b> |  |                                                                                        |  |                                        |                                      |                                          |  |
|                                                     | <u>DATE:</u> <b>5/9/2014</b>      |  |                                                                                        |  |                                        |                                      |                                          |  |
| <u>DOCUMENT NUMBER:</u><br><br><b>SD- 42491-001</b> |                                   |  | <u>CREATED / REVISED BY:</u><br><br><b>MKIPPER</b>                                     |  | <u>CHECKED BY:</u><br><br><b>JBELL</b> |                                      | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |  |

|         |              |                   |              |                   |              |                   |              |                   |
|---------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| OPTIONS | Group        | A-42491-0172/0188 | Group        | A-42491-0223/0239 | Group        | A-42491-0240/0251 | Group        | A-42491-0252/0265 |
|         | Header No:   | 41790-0019/0035   | Header No:   | 41790-0019/0035   | Header No:   | 41790-0023/0035   | Header No:   | 41790-0022/0035   |
|         | Pin No:      | 43294-0661        | Pin No:      | 43294-0240        | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        |
|         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         |
|         | Pin Length L | 30.48/ 1.200      | Pin Length L | 19.05/ .750       | Pin Length L | 18.29/ .720       | Pin Length L | 18.29/ .720       |
|         | Mating M     | 13.28/ .523       | Mating M     | 11.43/ .450       | Mating M     | 11.43/ .450       | Mating M     | 11.43/ .450       |
|         | Gold Loc G   | N/A               | Gold Loc G   | N/A               | Gold Loc G   | N/A               | Gold Loc G   | N/A               |
|         | PC Tail P    | 13.89/ .547       | PC Tail P    | 4.32/ .170        | PC Tail P    | 3.56/ .140        | PC Tail P    | 3.56/ .140        |
|         | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           |
|         | Voided Ckts  | NONE              | Voided Ckts  | NONE              | Voided Ckts  | 7                 | Voided Ckts  | 5                 |
|         | Pack Per     | PK-42491-003      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      |
|         |              |                   |              |                   |              |                   |              |                   |
| Ckts    | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2       |              | A-42491-0172      | 42491-0223   | A-42491-0223      |              |                   |              |                   |
| 3       |              | A-42491-0173      | 42491-0224   | A-42491-0224      |              |                   |              |                   |
| 4       |              | A-42491-0174      | 42491-0225   | A-42491-0225      |              |                   |              |                   |
| 5       |              | A-42491-0175      | 42491-0226   | A-42491-0226      |              |                   | 42491-0252   | A-42491-0252      |
| 6       | 26-64-4061   | A-42491-0176      | 42491-0227   | A-42491-0227      |              |                   | 27-62-4068   | A-42491-0253      |
| 7       |              | A-42491-0177      | 42491-0228   | A-42491-0228      | 42491-0240   | A-42491-0240      | 42491-0254   | A-42491-0254      |
| 8       |              | A-42491-0178      | 42491-0229   | A-42491-0229      | 27-62-4087   | A-42491-0241      | 42491-0255   | A-42491-0255      |
| 9       |              | A-42491-0179      | 42491-0230   | A-42491-0230      | 42491-0242   | A-42491-0242      | 42491-0256   | A-42491-0256      |
| 10      |              | A-42491-0180      | 42491-0231   | A-42491-0231      | 42491-0243   | A-42491-0243      | 42491-0257   | A-42491-0257      |
| 11      |              | A-42491-0181      | 42491-0232   | A-42491-0232      | 42491-0244   | A-42491-0244      | 42491-0258   | A-42491-0258      |
| 12      |              | A-42491-0182      | 42491-0233   | A-42491-0233      | 42491-0245   | A-42491-0245      | 42491-0259   | A-42491-0259      |

|                                          |                            |                                                                             |                             |
|------------------------------------------|----------------------------|-----------------------------------------------------------------------------|-----------------------------|
| REV:<br><b>G2</b>                        | ECR/ECN INFORMATION        | TITLE:<br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> | SHEET No.<br><b>- 5 -</b>   |
|                                          | EC NO: <b>UCP2013-5395</b> |                                                                             |                             |
|                                          | DATE: <b>5/9/2014</b>      |                                                                             |                             |
| DOCUMENT NUMBER:<br><b>SD- 42491-001</b> |                            | CREATED / REVISED BY:<br><b>MKIPPER</b>                                     | CHECKED BY:<br><b>JBELL</b> |
|                                          |                            | APPROVED BY:<br><b>FSMITH</b>                                               |                             |

|         |              |                   |              |                   |              |                   |              |                   |
|---------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| OPTIONS | Group        | A-42491-0266/0275 | Group        | A-42491-0276/0286 | Group        | A-42491-0287/0299 | Group        | A-42491-0300/0311 |
|         | Header No:   | 41790-0026/0035   | Header No:   | 41790-0025/0035   | Header No:   | 41790-0024/0035   | Header No:   | 41790-0025/0035   |
|         | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        |
|         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         |
|         | Pin Length L | 18.29/.720        | Pin Length L | 18.29/.720        | Pin Length L | 18.29/.720        | Pin Length L | 18.29/.720        |
|         | Mating M     | 11.43/.450        | Mating M     | 11.43/.450        | Mating M     | 11.43/.450        | Mating M     | 11.43/.450        |
|         | Gold Loc G   | N/A               | Gold Loc G   | N/A               | Gold Loc G   | N/A               | Gold Loc G   | N/A               |
|         | PC Tail P    | 13.89/.547        | PC Tail P    | 3.56/.140         | PC Tail P    | 3.56/.140         | PC Tail P    | 3.56/.140         |
|         | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           |
|         | Voided Ckts  | 3, 5, 6, 8, 9     | Voided Ckts  | 2, 3, 5, 6, 8     | Voided Ckts  | 3, 6              | Voided Ckts  | 2, 5, 7           |
|         | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      | Pack Per     |                   |
|         |              |                   |              |                   |              |                   |              |                   |
| Ckts    | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2       |              |                   |              |                   |              |                   |              |                   |
| 3       |              |                   |              |                   |              |                   |              |                   |
| 4       |              |                   |              |                   |              |                   |              |                   |
| 5       |              |                   |              |                   |              |                   |              |                   |
| 6       |              |                   |              |                   |              |                   |              |                   |
| 7       |              |                   |              |                   |              |                   |              |                   |
| 8       |              |                   | 42491-0276   | A-42491-0276      | 42491-0287   | A-42491-0287      |              |                   |
| 9       | 42491-0266   | A-42491-0266      | 42491-0277   | A-42491-0277      | 42491-0288   | A-42491-0288      | 42491-0300   | A-42491-0300      |
| 10      | 27-66-4104   | A-42491-0267      | 27-66-4105   | A-42491-0278      | 42491-0289   | A-42491-0289      | 42491-0301   | A-42491-0301      |
| 11      | 42491-0268   | A-42491-0268      | 42491-0279   | A-42491-0279      | 42491-0290   | A-42491-0290      | 42491-0302   | A-42491-0302      |
| 12      | 42491-0269   | A-42491-0269      | 42491-0280   | A-42491-0280      | 42491-0291   | A-42491-0291      | 42491-0303   | A-42491-0303      |
|         |              |                   |              |                   | 42491-0292   | A-42491-0292      | 42491-0304   | A-42491-0304      |
|         |              |                   |              |                   | 42491-0293   | A-42491-0293      | 42491-0305   | A-42491-0305      |

|                                                     |                                   |  |                                                                                        |  |                                        |                  |                                          |  |
|-----------------------------------------------------|-----------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------|------------------|------------------------------------------|--|
| REV:<br><br><b>G2</b>                               | <u>ECR/ECN INFORMATION</u>        |  | <u>TITLE:</u><br><br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> |  |                                        | <u>SHEET No.</u> |                                          |  |
|                                                     | <u>EC NO:</u> <b>UCP2013-5395</b> |  |                                                                                        |  |                                        | <b>- 6 -</b>     |                                          |  |
|                                                     | <u>DATE:</u> <b>5/9/2014</b>      |  |                                                                                        |  |                                        |                  |                                          |  |
| <u>DOCUMENT NUMBER:</u><br><br><b>SD- 42491-001</b> |                                   |  | <u>CREATED / REVISED BY:</u><br><br><b>MKIPPER</b>                                     |  | <u>CHECKED BY:</u><br><br><b>JBELL</b> |                  | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |  |

|         |              |                    |              |                    |              |                   |              |                   |
|---------|--------------|--------------------|--------------|--------------------|--------------|-------------------|--------------|-------------------|
| OPTIONS | Group        | A-42491-0346/0352  | Group        | A-42491-0353/0357  | Group        | A-42491-0358/0372 | Group        | A-42491-0373/0387 |
|         | Header No:   | 41790-0029/0035    | Header No:   | 41790-0031/0035    | Header No:   | 41790-0021/0035   | Header No:   | 41790-0021/0035   |
|         | Pin No:      | 43294-0214         | Pin No:      | 43294-0214         | Pin No:      | 43294-0214        | Pin No:      | 43294-0214        |
|         | Plating:     | 197 - TIN          | Plating:     | 197 - TIN          | Plating:     | 197 - TIN         | Plating:     | 197 - TIN         |
|         | Pin Length L | 18.29/.720         | Pin Length L | 18.29/.720         | Pin Length L | 18.29/.720        | Pin Length L | 18.29/.720        |
|         | Mating M     | 11.43/.450         | Mating M     | 11.43/.450         | Mating M     | 11.43/.450        | Mating M     | 11.43/.450        |
|         | Gold Loc G   | N/A                | Gold Loc G   | N/A                | Gold Loc G   | N/A               | Gold Loc G   | N/A               |
|         | PC Tail P    | 3.56/.140          | PC Tail P    | 3.56/.140          | PC Tail P    | 3.56/.140         | PC Tail P    | 3.56/.140         |
|         | Tin Loc T    | OVERALL            | Tin Loc T    | OVERALL            | Tin Loc T    | OVERALL           | Tin Loc T    | OVERALL           |
|         | Voided Ckts  | 2, 4, 6, 8, 10, 12 | Voided Ckts  | 2, 4, 6, 8, 10, 14 | Voided Ckts  | 4                 | Voided Ckts  | 3, 4              |
|         | Pack Per     | PK-42491-001       | Pack Per     | PK-42491-001       | Pack Per     | PK-42491-001      | Pack Per     | PK-42491-001      |
|         |              |                    |              |                    |              |                   |              |                   |
| Ckts    | Material No  | Engineer Number    | Material No  | Engineer Number    | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2       |              |                    |              |                    |              |                   |              |                   |
| 3       |              |                    |              |                    |              |                   |              |                   |
| 4       |              |                    |              |                    |              |                   |              |                   |
| 5       |              |                    |              |                    |              |                   |              |                   |
| 6       |              |                    |              |                    |              |                   |              |                   |
| 7       |              |                    |              |                    |              |                   |              |                   |
| 8       |              |                    |              |                    |              |                   |              |                   |
| 9       |              |                    |              |                    |              |                   |              |                   |
| 10      |              |                    |              |                    |              |                   |              |                   |
| 11      |              |                    |              |                    |              |                   |              |                   |
| 12      | 42491-0346   | A-42491-0346       |              |                    |              |                   |              |                   |

|                                          |                            |                                                                             |                             |
|------------------------------------------|----------------------------|-----------------------------------------------------------------------------|-----------------------------|
| REV:<br><b>G2</b>                        | ECR/ECN INFORMATION        | TITLE:<br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> | SHEET No.<br><b>- 7 -</b>   |
|                                          | EC NO: <b>UCP2013-5395</b> |                                                                             |                             |
|                                          | DATE: <b>5/9/2014</b>      |                                                                             |                             |
| DOCUMENT NUMBER:<br><b>SD- 42491-001</b> |                            | CREATED / REVISED BY:<br><b>MKIPPER</b>                                     | CHECKED BY:<br><b>JBELL</b> |
|                                          |                            | APPROVED BY:<br><b>FSMITH</b>                                               |                             |

|         |              |                 |
|---------|--------------|-----------------|
| OPTIONS | Group        | A-42491-0388    |
|         | Header No:   | 41790-0023      |
|         | Pin No:      | 43294-0214      |
|         | Plating:     | 197 - TIN       |
|         | Pin Length L | 18.29 / .720    |
|         | Mating M     | 11.43 / .450    |
|         | Gold Loc G   | N/A             |
|         | PC Tail P    | 3.56 / .140     |
|         | Tin Loc T    | OVERALL         |
|         | Voided Ckts  | 6               |
|         | Pack Per     | PK-42491-001    |
|         |              |                 |
| Ckts    | Material No  | Engineer Number |
| 2       |              |                 |
| 3       |              |                 |
| 4       |              |                 |
| 5       |              |                 |
| 6       | 42491-0388   | A-42491-0388    |
| 7       |              |                 |
| 8       |              |                 |
| 9       |              |                 |
| 10      |              |                 |
| 11      |              |                 |
| 12      |              |                 |
| 13      |              |                 |
| 14      |              |                 |
| 15      |              |                 |
| 16      |              |                 |
| 17      |              |                 |
| 18      |              |                 |

|                                          |                            |                                                                             |                             |
|------------------------------------------|----------------------------|-----------------------------------------------------------------------------|-----------------------------|
| REV:<br><b>G2</b>                        | ECR/ECN INFORMATION        | TITLE:<br><b>KK 156 HEADER ASSEMBLY<br/>FRICTION LOCK<br/>VERTICAL PEGS</b> | SHEET No.<br><b>- 8 -</b>   |
|                                          | EC NO: <b>UCP2013-5395</b> |                                                                             |                             |
|                                          | DATE: <b>5/9/2014</b>      |                                                                             |                             |
| DOCUMENT NUMBER:<br><b>SD- 42491-001</b> |                            | CREATED / REVISED BY:<br><b>MKIPPER</b>                                     | CHECKED BY:<br><b>JBELL</b> |
|                                          |                            | APPROVED BY:<br><b>FSMITH</b>                                               |                             |