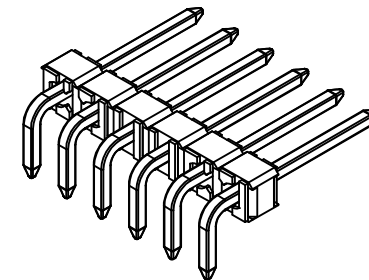
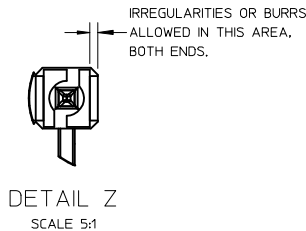
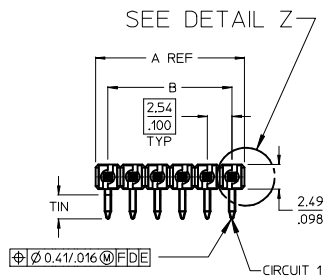
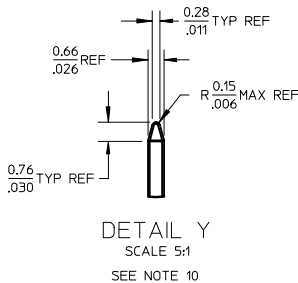
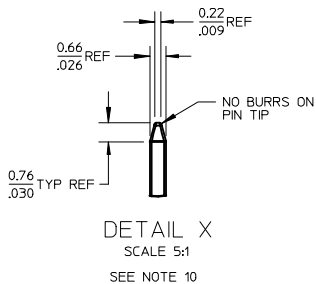
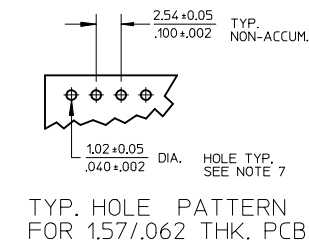
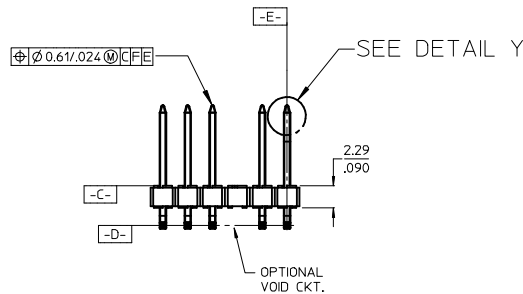
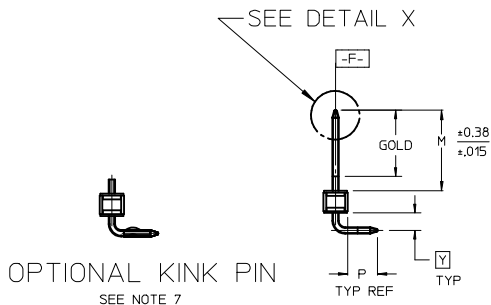


|          | 10     | 9      | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----------|--------|--------|---|---|---|---|---|---|---|---|
| NO. CKTS | DIM. A | DIM. B |   |   |   |   |   |   |   |   |
| 2        | 5.08   | 2.54   |   |   |   |   |   |   |   |   |
| 3        | 7.62   | 5.08   |   |   |   |   |   |   |   |   |
| 4        | 10.16  | 7.62   |   |   |   |   |   |   |   |   |
| 5        | 12.70  | 10.16  |   |   |   |   |   |   |   |   |
| 6        | 15.24  | 12.70  |   |   |   |   |   |   |   |   |
| 7        | 17.78  | 15.24  |   |   |   |   |   |   |   |   |
| 8        | 20.32  | 17.78  |   |   |   |   |   |   |   |   |
| 9        | 22.86  | 20.32  |   |   |   |   |   |   |   |   |
| 10       | 25.40  | 22.86  |   |   |   |   |   |   |   |   |
| 11       | 27.94  | 25.40  |   |   |   |   |   |   |   |   |
| 12       | 30.48  | 27.94  |   |   |   |   |   |   |   |   |
| 13       | 33.02  | 30.48  |   |   |   |   |   |   |   |   |
| 14       | 35.56  | 33.02  |   |   |   |   |   |   |   |   |
| 15       | 38.10  | 35.56  |   |   |   |   |   |   |   |   |
| 16       | 40.64  | 38.10  |   |   |   |   |   |   |   |   |
| 17       | 43.18  | 40.64  |   |   |   |   |   |   |   |   |
| 18       | 45.72  | 43.18  |   |   |   |   |   |   |   |   |
| 19       | 48.26  | 45.72  |   |   |   |   |   |   |   |   |
| 20       | 50.80  | 48.26  |   |   |   |   |   |   |   |   |
| 21       | 53.34  | 50.80  |   |   |   |   |   |   |   |   |
| 22       | 55.88  | 53.34  |   |   |   |   |   |   |   |   |
| 23       | 58.42  | 55.88  |   |   |   |   |   |   |   |   |
| 24       | 60.96  | 58.42  |   |   |   |   |   |   |   |   |
| 25       | 63.50  | 60.96  |   |   |   |   |   |   |   |   |
| 26       | 66.04  | 63.50  |   |   |   |   |   |   |   |   |
| 27       | 68.58  | 66.04  |   |   |   |   |   |   |   |   |
| 28       | 71.12  | 68.58  |   |   |   |   |   |   |   |   |
| 29       | 73.66  | 71.12  |   |   |   |   |   |   |   |   |
| 30       | 76.20  | 73.66  |   |   |   |   |   |   |   |   |
| 31       | 78.74  | 76.20  |   |   |   |   |   |   |   |   |
| 32       | 81.28  | 78.74  |   |   |   |   |   |   |   |   |
| 33       | 83.82  | 81.28  |   |   |   |   |   |   |   |   |
| 34       | 86.36  | 83.82  |   |   |   |   |   |   |   |   |
| 35       | 88.90  | 86.36  |   |   |   |   |   |   |   |   |
| 36       | 91.44  | 88.90  |   |   |   |   |   |   |   |   |



- NOTES:
- MATERIAL: GLASS FILLED NYLON  
UL94V-0, COLOR: BLACK
  - FINISH:  
(154) OVERALL TIN: 0.00254/0.000100 MIN. OVER  
NICKEL: 0.00127/0.000050 MIN.  
(208) SELECT GOLD: 0.00038/0.000015 MIN.  
SELECT TIN: 0.00254/0.000100 MIN.  
WITH OVERALL NICKEL UNDERPLATE: 0.00127/0.000050 MIN.  
(228) SELECT GOLD: 0.00076/0.000030 MIN.  
SELECT TIN: 0.00254/0.000100 MIN.  
WITH OVERALL NICKEL UNDERPLATE: 0.00127/0.000050 MIN.
  - PRODUCT SPECIFICATION: PS 10-07.
  - PACKAGING INFORMATION: SEE TABLES
  - SOLDERABILITY PER SMES-152.
  - PIN PUSH OUT FORCE: 3 LBS. MIN
  - 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.
  - HEADERS ARE NOT STACKABLE ON 2.54/.100 CENTERS.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF  
COSMETIC SPECIFICATION PS-45499-002.
  - PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.  
DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.



| CORRECT DIMENSION   |  | QUALITY SYMBOLS    |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |  | SCALE    |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION                                                                                                           |  |
|---------------------|--|--------------------|--|---------------------------------------|--|-----------------|--|----------|--|--------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|
| EC NO: UCP2015-1410 |  | DRAWN BY: JSCHAER  |  | mm                                    |  | MM/IN           |  | 2:1      |  | INCH         |  | KK 100 HEADER ASSEMBLY<br>FLAT RIGHT ANGLE<br>BREAKAWAY                                                                          |  |
| DRWN: HKIPPER       |  | CHECKED BY: SAMIEC |  | INCH                                  |  | DATE            |  | DATE     |  | DATE         |  | molex                                                                                                                            |  |
| CHKD: NGUYEN        |  | APPR: FSMITH       |  | 4 PLACES                              |  | 11/24/03        |  | 11/24/03 |  | 11/24/03     |  | SD-42377-001                                                                                                                     |  |
| APPR: FSMITH        |  | DATE               |  | 3 PLACES                              |  | DATE            |  | DATE     |  | DATE         |  | 1 OF *                                                                                                                           |  |
| DATE                |  | DATE               |  | 2 PLACES                              |  | DATE            |  | DATE     |  | DATE         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| DATE                |  | DATE               |  | 1 PLACE                               |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | 0 PLACE                               |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | ANGULAR ±1/2°                         |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | DRAFT WHERE APPLICABLE                |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | MUST REMAIN                           |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | WITHIN DIMENSIONS                     |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | SEE CHART                             |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |
| DATE                |  | DATE               |  | SIZE B                                |  | DATE            |  | DATE     |  | DATE         |  |                                                                                                                                  |  |

|                                                  |                 |                             |                    |                 |            |                                                                  |                 |            |                    |                 |                     |  |
|--------------------------------------------------|-----------------|-----------------------------|--------------------|-----------------|------------|------------------------------------------------------------------|-----------------|------------|--------------------|-----------------|---------------------|--|
|                                                  |                 |                             |                    |                 |            |                                                                  |                 |            |                    |                 |                     |  |
| ✓ A-42377-0002 / 0036                            |                 |                             |                    |                 |            | ✓ A-42377-0037 / 0071                                            |                 |            |                    |                 |                     |  |
| HEADER NUMBER:                                   |                 |                             | 42312-0036         |                 |            | HEADER NUMBER:                                                   |                 |            | 42312-0036         |                 |                     |  |
| PIN NUMBER:                                      |                 |                             | 42663-AZA154       |                 |            | PIN NUMBER:                                                      |                 |            | 42663-BSA154       |                 |                     |  |
| PIN LENGTH: L                                    |                 |                             | .550/13.97         |                 |            | PIN LENGTH: L                                                    |                 |            | .630/16.00         |                 |                     |  |
| MATING LENGTH: M                                 |                 |                             | .244/6.20          |                 |            | MATING LENGTH: M                                                 |                 |            | .324/8.23          |                 |                     |  |
| GOLD POINT: G                                    |                 |                             | N/A                |                 |            | GOLD POINT: G                                                    |                 |            | N/A                |                 |                     |  |
| PI N HEIGHT: Y                                   |                 |                             | .070/1.78          |                 |            | PI N HEIGHT: Y                                                   |                 |            | .070/1.78          |                 |                     |  |
| PC TAIL LENGTH: P                                |                 |                             | .120/3.05          |                 |            | PC TAIL LENGTH: P                                                |                 |            | .120/3.05          |                 |                     |  |
| TIN: T                                           |                 |                             | OVERALL            |                 |            | TIN: T                                                           |                 |            | OVERALL            |                 |                     |  |
| CKTS:                                            |                 |                             | 2-36               |                 |            | CKTS:                                                            |                 |            | 2-36               |                 |                     |  |
| KINKS:                                           |                 |                             | NONE               |                 |            | KINKS:                                                           |                 |            | NONE               |                 |                     |  |
| REMOVED BACKWALLS:                               |                 |                             | NONE               |                 |            | REMOVED BACKWALLS:                                               |                 |            | NONE               |                 |                     |  |
| VOIDED CKTS:                                     |                 |                             | NONE               |                 |            | VOIDED CKTS:                                                     |                 |            | NONE               |                 |                     |  |
| PACKAGING:                                       |                 |                             | BULK PK-40873-0041 |                 |            | PACKAGING:                                                       |                 |            | BULK PK-40873-0041 |                 |                     |  |
| CKTS                                             | MATERIAL NUMBER | ENG NUMBER                  | CKTS               | MATERIAL NUMBER | ENG NUMBER | CKTS                                                             | MATERIAL NUMBER | ENG NUMBER | CKTS               | MATERIAL NUMBER | ENG NUMBER          |  |
| 02                                               | 22-28-8020      | 42377-0002                  | 20                 | 22-28-8200      | 42377-0020 | 02                                                               | 22-28-8021      | 42377-0037 | 20                 | 22-28-8201      | 42377-0055          |  |
| 03                                               | 22-28-8030      | 42377-0003                  | 21                 | 22-28-8210      | 42377-0021 | 03                                                               | 22-28-8031      | 42377-0038 | 21                 | 22-28-8211      | 42377-0056          |  |
| 04                                               | 22-28-8040      | 42377-0004                  | 22                 | 22-28-8220      | 42377-0022 | 04                                                               | 22-28-8041      | 42377-0039 | 22                 | 22-28-8221      | 42377-0057          |  |
| 05                                               | 22-28-8050      | 42377-0005                  | 23                 | 22-28-8230      | 42377-0023 | 05                                                               | 22-28-8051      | 42377-0040 | 23                 | 22-28-8231      | 42377-0058          |  |
| 06                                               | 22-28-8060      | 42377-0006                  | 24                 | 22-28-8240      | 42377-0024 | 06                                                               | 22-28-8061      | 42377-0041 | 24                 | 22-28-8241      | 42377-0059          |  |
| 07                                               | 22-28-8070      | 42377-0007                  | 25                 | 22-28-8250      | 42377-0025 | 07                                                               | 22-28-8071      | 42377-0042 | 25                 | 22-28-8251      | 42377-0060          |  |
| 08                                               | 22-28-8080      | 42377-0008                  | 26                 | 22-28-8260      | 42377-0026 | 08                                                               | 22-28-8081      | 42377-0043 | 26                 | 22-28-8261      | 42377-0061          |  |
| 09                                               | 22-28-8090      | 42377-0009                  | 27                 | 22-28-8270      | 42377-0027 | 09                                                               | 22-28-8091      | 42377-0044 | 27                 | 22-28-8271      | 42377-0062          |  |
| 10                                               | 22-28-8100      | 42377-0010                  | 28                 | 22-28-8280      | 42377-0028 | 10                                                               | 22-28-8101      | 42377-0045 | 28                 | 22-28-8281      | 42377-0063          |  |
| 11                                               | 22-28-8110      | 42377-0011                  | 29                 | 22-28-8290      | 42377-0029 | 11                                                               | 22-28-8111      | 42377-0046 | 29                 | 22-28-8291      | 42377-0064          |  |
| 12                                               | 22-28-8120      | 42377-0012                  | 30                 | 22-28-8300      | 42377-0030 | 12                                                               | 22-28-8121      | 42377-0047 | 30                 | 22-28-8301      | 42377-0065          |  |
| 13                                               | 22-28-8130      | 42377-0013                  | 31                 | 22-28-8310      | 42377-0031 | 13                                                               | 22-28-8131      | 42377-0048 | 31                 | 22-28-8311      | 42377-0066          |  |
| 14                                               | 22-28-8140      | 42377-0014                  | 32                 | 22-28-8320      | 42377-0032 | 14                                                               | 22-28-8141      | 42377-0049 | 32                 | 22-28-8321      | 42377-0067          |  |
| 15                                               | 22-28-8150      | 42377-0015                  | 33                 | 22-28-8330      | 42377-0033 | 15                                                               | 22-28-8151      | 42377-0050 | 33                 | 22-28-8331      | 42377-0068          |  |
| 16                                               | 22-28-8160      | 42377-0016                  | 34                 | 22-28-8340      | 42377-0034 | 16                                                               | 22-28-8161      | 42377-0051 | 34                 | 22-28-8341      | 42377-0069          |  |
| 17                                               | 22-28-8170      | 42377-0017                  | 35                 | 22-28-8350      | 42377-0035 | 17                                                               | 22-28-8171      | 42377-0052 | 35                 | 22-28-8351      | 42377-0070          |  |
| 18                                               | 22-28-8180      | 42377-0018                  | 36                 | 22-28-8360      | 42377-0036 | 18                                                               | 22-28-8181      | 42377-0053 | 36                 | 22-28-8361      | 42377-0071          |  |
| 19                                               | 22-28-8190      | 42377-0019                  |                    |                 |            | 19                                                               | 22-28-8191      | 42377-0054 |                    |                 |                     |  |
|                                                  |                 |                             |                    |                 |            |                                                                  |                 |            |                    |                 |                     |  |
| REV:                                             |                 | <u>ECR/ECN INFORMATION:</u> |                    |                 |            | <u>TITLE:</u>                                                    |                 |            |                    |                 | <u>SHEET No.</u>    |  |
| <b>X4</b>                                        |                 | EC No: <b>UCP2015-1410</b>  |                    |                 |            | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |                 |            |                    |                 | <b>- 2 -</b>        |  |
|                                                  |                 | DATE: <b>11/14/2014</b>     |                    |                 |            |                                                                  |                 |            |                    |                 |                     |  |
| <u>DOCUMENT NUMBER:</u>                          |                 |                             |                    |                 |            | <u>CREATED / REVISED BY:</u>                                     |                 |            | <u>CHECKED BY:</u> |                 | <u>APPROVED BY:</u> |  |
| <b>SD- 42377-001</b>                             |                 |                             |                    |                 |            | <b>MKIPPER</b>                                                   |                 |            | <b>NNGUYEN</b>     |                 | <b>FSMITH</b>       |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |                             |                    |                 |            |                                                                  |                 |            |                    |                 |                     |  |

|                                                  |                 |                             |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
|--------------------------------------------------|-----------------|-----------------------------|--------------------|-----------------|------------------------------------------------------------------|-----------------------|-----------------|--------------------|--------------------|---------------------|------------|
|                                                  |                 |                             |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| ✓ A-42377-0072 / 0106                            |                 |                             |                    |                 |                                                                  | ✓ A-42377-0107 / 0141 |                 |                    |                    |                     |            |
| HEADER NUMBER:                                   |                 |                             | 42312-0036         |                 |                                                                  | HEADER NUMBER:        |                 |                    | 42312-0036         |                     |            |
| PIN NUMBER:                                      |                 |                             | 42663-AZB208       |                 |                                                                  | PIN NUMBER:           |                 |                    | 42663-BSB208       |                     |            |
| PIN LENGTH: L                                    |                 |                             | .550/13.97         |                 |                                                                  | PIN LENGTH: L         |                 |                    | .630/16.00         |                     |            |
| MATING LENGTH: M                                 |                 |                             | .244/6.20          |                 |                                                                  | MATING LENGTH: M      |                 |                    | .324/8.23          |                     |            |
| GOLD POINT: G                                    |                 |                             | .140/3.56          |                 |                                                                  | GOLD POINT: G         |                 |                    | .140/3.56          |                     |            |
| PIN HEIGHT: Y                                    |                 |                             | .070/1.78          |                 |                                                                  | PIN HEIGHT: Y         |                 |                    | .070/1.78          |                     |            |
| PC TAIL LENGTH: P                                |                 |                             | .120/3.05          |                 |                                                                  | PC TAIL LENGTH: P     |                 |                    | .120/3.05          |                     |            |
| TIN: T                                           |                 |                             | .135/3.43          |                 |                                                                  | TIN: T                |                 |                    | .135/3.43          |                     |            |
| CKTS:                                            |                 |                             | 2-36               |                 |                                                                  | CKTS:                 |                 |                    | 2-36               |                     |            |
| KINKS:                                           |                 |                             | NONE               |                 |                                                                  | KINKS:                |                 |                    | NONE               |                     |            |
| REMOVED BACKWALLS:                               |                 |                             | NONE               |                 |                                                                  | REMOVED BACKWALLS:    |                 |                    | NONE               |                     |            |
| VOIDED CKTS:                                     |                 |                             | NONE               |                 |                                                                  | VOIDED CKTS:          |                 |                    | NONE               |                     |            |
| PACKAGING:                                       |                 |                             | BULK PK-40873-0041 |                 |                                                                  | PACKAGING:            |                 |                    | BULK PK-40873-0041 |                     |            |
| CKTS                                             | MATERIAL NUMBER | ENG NUMBER                  | CKTS               | MATERIAL NUMBER | ENG NUMBER                                                       | CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS               | MATERIAL NUMBER     | ENG NUMBER |
| 02                                               | 22-28-8022      | 42377-0072                  | 20                 | 22-28-8202      | 42377-0090                                                       | 02                    | 22-28-8023      | 42377-0107         | 20                 | 22-28-8203          | 42377-0125 |
| 03                                               | 22-28-8032      | 42377-0073                  | 21                 | 22-28-8212      | 42377-0091                                                       | 03                    | 22-28-8033      | 42377-0108         | 21                 | 22-28-8213          | 42377-0126 |
| 04                                               | 22-28-8042      | 42377-0074                  | 22                 | 22-28-8222      | 42377-0092                                                       | 04                    | 22-28-8043      | 42377-0109         | 22                 | 22-28-8223          | 42377-0127 |
| 05                                               | 22-28-8052      | 42377-0075                  | 23                 | 22-28-8232      | 42377-0093                                                       | 05                    | 22-28-8053      | 42377-0110         | 23                 | 22-28-8233          | 42377-0128 |
| 06                                               | 22-28-8062      | 42377-0076                  | 24                 | 22-28-8242      | 42377-0094                                                       | 06                    | 22-28-8063      | 42377-0111         | 24                 | 22-28-8243          | 42377-0129 |
| 07                                               | 22-28-8072      | 42377-0077                  | 25                 | 22-28-8252      | 42377-0095                                                       | 07                    | 22-28-8073      | 42377-0112         | 25                 | 22-28-8253          | 42377-0130 |
| 08                                               | 22-28-8082      | 42377-0078                  | 26                 | 22-28-8262      | 42377-0096                                                       | 08                    | 22-28-8083      | 42377-0113         | 26                 | 22-28-8263          | 42377-0131 |
| 09                                               | 22-28-8092      | 42377-0079                  | 27                 | 22-28-8272      | 42377-0097                                                       | 09                    | 22-28-8093      | 42377-0114         | 27                 | 22-28-8273          | 42377-0132 |
| 10                                               | 22-28-8102      | 42377-0080                  | 28                 | 22-28-8282      | 42377-0098                                                       | 10                    | 22-28-8103      | 42377-0115         | 28                 | 22-28-8283          | 42377-0133 |
| 11                                               | 22-28-8112      | 42377-0081                  | 29                 | 22-28-8292      | 42377-0099                                                       | 11                    | 22-28-8113      | 42377-0116         | 29                 | 22-28-8293          | 42377-0134 |
| 12                                               | 22-28-8122      | 42377-0082                  | 30                 | 22-28-8302      | 42377-0100                                                       | 12                    | 22-28-8123      | 42377-0117         | 30                 | 22-28-8303          | 42377-0135 |
| 13                                               | 22-28-8132      | 42377-0083                  | 31                 | 22-28-8312      | 42377-0101                                                       | 13                    | 22-28-8133      | 42377-0118         | 31                 | 22-28-8313          | 42377-0136 |
| 14                                               | 22-28-8142      | 42377-0084                  | 32                 | 22-28-8322      | 42377-0102                                                       | 14                    | 22-28-8143      | 42377-0119         | 32                 | 22-28-8323          | 42377-0137 |
| 15                                               | 22-28-8152      | 42377-0085                  | 33                 | 22-28-8332      | 42377-0103                                                       | 15                    | 22-28-8153      | 42377-0120         | 33                 | 22-28-8333          | 42377-0138 |
| 16                                               | 22-28-8162      | 42377-0086                  | 34                 | 22-28-8342      | 42377-0104                                                       | 16                    | 22-28-8163      | 42377-0121         | 34                 | 22-28-8343          | 42377-0139 |
| 17                                               | 22-28-8172      | 42377-0087                  | 35                 | 22-28-8352      | 42377-0105                                                       | 17                    | 22-28-8173      | 42377-0122         | 35                 | 22-28-8353          | 42377-0140 |
| 18                                               | 22-28-8182      | 42377-0088                  | 36                 | 22-28-8362      | 42377-0106                                                       | 18                    | 22-28-8183      | 42377-0123         | 36                 | 22-28-8363          | 42377-0141 |
| 19                                               | 22-28-8192      | 42377-0089                  |                    |                 |                                                                  | 19                    | 22-28-8193      | 42377-0124         |                    |                     |            |
|                                                  |                 |                             |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| REV:                                             |                 | <u>ECR/ECN INFORMATION:</u> |                    |                 | <u>TITLE:</u>                                                    |                       |                 |                    |                    | <u>SHEET No.</u>    |            |
| <b>X4</b>                                        |                 | EC No: <b>UCP2015-1410</b>  |                    |                 | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |                       |                 |                    |                    | <b>- 3 -</b>        |            |
|                                                  |                 | DATE: <b>11/14/2014</b>     |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| <u>DOCUMENT NUMBER:</u>                          |                 |                             |                    |                 | <u>CREATED / REVISED BY:</u>                                     |                       |                 | <u>CHECKED BY:</u> |                    | <u>APPROVED BY:</u> |            |
| <b>SD- 42377-001</b>                             |                 |                             |                    |                 | <b>MKIPPER</b>                                                   |                       |                 | <b>NNGUYEN</b>     |                    | <b>FSMITH</b>       |            |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |                             |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |

|                                                                 |                 |                             |                    |                 |                                                                                        |                       |                 |                    |                    |                     |            |
|-----------------------------------------------------------------|-----------------|-----------------------------|--------------------|-----------------|----------------------------------------------------------------------------------------|-----------------------|-----------------|--------------------|--------------------|---------------------|------------|
|                                                                 |                 |                             |                    |                 |                                                                                        |                       |                 |                    |                    |                     |            |
| ✓ A-42377-0142 / 0176                                           |                 |                             |                    |                 |                                                                                        | ✓ A-42377-0177 / 0211 |                 |                    |                    |                     |            |
| HEADER NUMBER:                                                  |                 |                             | 42312-0036         |                 |                                                                                        | HEADER NUMBER:        |                 |                    | 42312-0036         |                     |            |
| PIN NUMBER:                                                     |                 |                             | 42663-BCA154       |                 |                                                                                        | PIN NUMBER:           |                 |                    | 42663-BXA154       |                     |            |
| PIN LENGTH: L                                                   |                 |                             | .565/14.35         |                 |                                                                                        | PIN LENGTH: L         |                 |                    | .645/16.38         |                     |            |
| MATING LENGTH: M                                                |                 |                             | .244/6.20          |                 |                                                                                        | MATING LENGTH: M      |                 |                    | .324/8.23          |                     |            |
| GOLD POINT: G                                                   |                 |                             | N/A                |                 |                                                                                        | GOLD POINT: G         |                 |                    | N/A                |                     |            |
| PIN HEIGHT: Y                                                   |                 |                             | .070/1.78          |                 |                                                                                        | PIN HEIGHT: Y         |                 |                    | .070/1.78          |                     |            |
| PC TAIL LENGTH: P                                               |                 |                             | .135/3.43          |                 |                                                                                        | PC TAIL LENGTH: P     |                 |                    | .135/3.43          |                     |            |
| TIN: T                                                          |                 |                             | OVERALL            |                 |                                                                                        | TIN: T                |                 |                    | OVERALL            |                     |            |
| CKTS:                                                           |                 |                             | 2-36               |                 |                                                                                        | CKTS:                 |                 |                    | 2-36               |                     |            |
| KINKS:                                                          |                 |                             | PER SMES-42003     |                 |                                                                                        | KINKS:                |                 |                    | PER SMES-42003     |                     |            |
| REMOVED BACKWALLS:                                              |                 |                             | NONE               |                 |                                                                                        | REMOVED BACKWALLS:    |                 |                    | NONE               |                     |            |
| VOIDED CKTS:                                                    |                 |                             | NONE               |                 |                                                                                        | VOIDED CKTS:          |                 |                    | NONE               |                     |            |
| PACKAGING:                                                      |                 |                             | BULK PK-40873-0041 |                 |                                                                                        | PACKAGING:            |                 |                    | BULK PK-40873-0041 |                     |            |
| CKTS                                                            | MATERIAL NUMBER | ENG NUMBER                  | CKTS               | MATERIAL NUMBER | ENG NUMBER                                                                             | CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS               | MATERIAL NUMBER     | ENG NUMBER |
| 02                                                              | 22-28-9020      | 42377-0142                  | 20                 | 22-28-9200      | 42377-0160                                                                             | 02                    | 22-28-9021      | 42377-0177         | 20                 | 22-28-9201          | 42377-0195 |
| 03                                                              | 22-28-9030      | 42377-0143                  | 21                 | 22-28-9210      | 42377-0161                                                                             | 03                    | 22-28-9031      | 42377-0178         | 21                 | 22-28-9211          | 42377-0196 |
| 04                                                              | 22-28-9040      | 42377-0144                  | 22                 | 22-28-9220      | 42377-0162                                                                             | 04                    | 22-28-9041      | 42377-0179         | 22                 | 22-28-9221          | 42377-0197 |
| 05                                                              | 22-28-9050      | 42377-0145                  | 23                 | 22-28-9230      | 42377-0163                                                                             | 05                    | 22-28-9051      | 42377-0180         | 23                 | 22-28-9231          | 42377-0198 |
| 06                                                              | 22-28-9060      | 42377-0146                  | 24                 | 22-28-9240      | 42377-0164                                                                             | 06                    | 22-28-9061      | 42377-0181         | 24                 | 22-28-9241          | 42377-0199 |
| 07                                                              | 22-28-9070      | 42377-0147                  | 25                 | 22-28-9250      | 42377-0165                                                                             | 07                    | 22-28-9071      | 42377-0182         | 25                 | 22-28-9251          | 42377-0200 |
| 08                                                              | 22-28-9080      | 42377-0148                  | 26                 | 22-28-9260      | 42377-0166                                                                             | 08                    | 22-28-9081      | 42377-0183         | 26                 | 22-28-9261          | 42377-0201 |
| 09                                                              | 22-28-9090      | 42377-0149                  | 27                 | 22-28-9270      | 42377-0167                                                                             | 09                    | 22-28-9091      | 42377-0184         | 27                 | 22-28-9271          | 42377-0202 |
| 10                                                              | 22-28-9100      | 42377-0150                  | 28                 | 22-28-9280      | 42377-0168                                                                             | 10                    | 22-28-9101      | 42377-0185         | 28                 | 22-28-9281          | 42377-0203 |
| 11                                                              | 22-28-9110      | 42377-0151                  | 29                 | 22-28-9290      | 42377-0169                                                                             | 11                    | 22-28-9111      | 42377-0186         | 29                 | 22-28-9291          | 42377-0204 |
| 12                                                              | 22-28-9120      | 42377-0152                  | 30                 | 22-28-9300      | 42377-0170                                                                             | 12                    | 22-28-9121      | 42377-0187         | 30                 | 22-28-9301          | 42377-0205 |
| 13                                                              | 22-28-9130      | 42377-0153                  | 31                 | 22-28-9310      | 42377-0171                                                                             | 13                    | 22-28-9131      | 42377-0188         | 31                 | 22-28-9311          | 42377-0206 |
| 14                                                              | 22-28-9140      | 42377-0154                  | 32                 | 22-28-9320      | 42377-0172                                                                             | 14                    | 22-28-9141      | 42377-0189         | 32                 | 22-28-9321          | 42377-0207 |
| 15                                                              | 22-28-9150      | 42377-0155                  | 33                 | 22-28-9330      | 42377-0173                                                                             | 15                    | 22-28-9151      | 42377-0190         | 33                 | 22-28-9331          | 42377-0208 |
| 16                                                              | 22-28-9160      | 42377-0156                  | 34                 | 22-28-9340      | 42377-0174                                                                             | 16                    | 22-28-9161      | 42377-0191         | 34                 | 22-28-9341          | 42377-0209 |
| 17                                                              | 22-28-9170      | 42377-0157                  | 35                 | 22-28-9350      | 42377-0175                                                                             | 17                    | 22-28-9171      | 42377-0192         | 35                 | 22-28-9351          | 42377-0210 |
| 18                                                              | 22-28-9180      | 42377-0158                  | 36                 | 22-28-9360      | 42377-0176                                                                             | 18                    | 22-28-9181      | 42377-0193         | 36                 | 22-28-9361          | 42377-0211 |
| 19                                                              | 22-28-9190      | 42377-0159                  |                    |                 |                                                                                        | 19                    | 22-28-9191      | 42377-0194         |                    |                     |            |
|                                                                 |                 |                             |                    |                 |                                                                                        |                       |                 |                    |                    |                     |            |
| REV:                                                            |                 | <u>ECR/ECN INFORMATION:</u> |                    |                 | <u>TITLE:</u>                                                                          |                       |                 |                    |                    | <u>SHEET No.</u>    |            |
| <b>X4</b>                                                       |                 | EC No: UCP2015-1410         |                    |                 | <b>KK 100 HEADER ASSEMBLY<br/>           FLAT RIGHT ANGLE<br/>           BREAKAWAY</b> |                       |                 |                    |                    | <b>- 4 -</b>        |            |
|                                                                 |                 | DATE: 11/14/2014            |                    |                 |                                                                                        |                       |                 |                    |                    |                     |            |
| <u>DOCUMENT NUMBER:</u>                                         |                 |                             |                    |                 | <u>CREATED / REVISED BY:</u>                                                           |                       |                 | <u>CHECKED BY:</u> |                    | <u>APPROVED BY:</u> |            |
| <b>SD- 42377-001</b>                                            |                 |                             |                    |                 | <b>MKIPPER</b>                                                                         |                       |                 | <b>NNGUYEN</b>     |                    | <b>FSMITH</b>       |            |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                 |                             |                    |                 |                                                                                        |                       |                 |                    |                    |                     |            |

|                     |                 |                    |      |                 |            |  |  |  |  |  |  |
|---------------------|-----------------|--------------------|------|-----------------|------------|--|--|--|--|--|--|
|                     |                 |                    |      |                 |            |  |  |  |  |  |  |
| ✓ A-42377-0212/0246 |                 |                    |      |                 |            |  |  |  |  |  |  |
| HEADER NUMBER:      |                 | 42312-0036         |      |                 |            |  |  |  |  |  |  |
| PIN NUMBER:         |                 | 42663-BCB208       |      |                 |            |  |  |  |  |  |  |
| PIN LENGTH: L       |                 | .565/14.35         |      |                 |            |  |  |  |  |  |  |
| MATING LENGTH: M    |                 | .244/6.20          |      |                 |            |  |  |  |  |  |  |
| GOLD POINT: G       |                 | .100/2.54          |      |                 |            |  |  |  |  |  |  |
| PIN HEIGHT: Y       |                 | .070/1.78          |      |                 |            |  |  |  |  |  |  |
| PC TAIL LENGTH: P   |                 | .135/3.43          |      |                 |            |  |  |  |  |  |  |
| TIN: T              |                 | .135/3.43          |      |                 |            |  |  |  |  |  |  |
| CKTS:               |                 | 2-36               |      |                 |            |  |  |  |  |  |  |
| KINKS:              |                 | PER SMES-42003     |      |                 |            |  |  |  |  |  |  |
| REMOVED BACKWALLS:  |                 | NONE               |      |                 |            |  |  |  |  |  |  |
| VOIDED CKTS:        |                 | NONE               |      |                 |            |  |  |  |  |  |  |
| PACKAGING:          |                 | BULK PK-40873-0041 |      |                 |            |  |  |  |  |  |  |
| CKTS                | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |  |  |  |  |  |  |
| 02                  | 22-28-9022      | 42377-0212         | 20   | 22-28-9202      | 42377-0230 |  |  |  |  |  |  |
| 03                  | 22-28-9032      | 42377-0213         | 21   | 22-28-9212      | 42377-0231 |  |  |  |  |  |  |
| 04                  | 22-28-9042      | 42377-0214         | 22   | 22-28-9222      | 42377-0232 |  |  |  |  |  |  |
| 05                  | 22-28-9052      | 42377-0215         | 23   | 22-28-9232      | 42377-0233 |  |  |  |  |  |  |
| 06                  | 22-28-9062      | 42377-0216         | 24   | 22-28-9242      | 42377-0234 |  |  |  |  |  |  |
| 07                  | 22-28-9072      | 42377-0217         | 25   | 22-28-9252      | 42377-0235 |  |  |  |  |  |  |
| 08                  | 22-28-9082      | 42377-0218         | 26   | 22-28-9262      | 42377-0236 |  |  |  |  |  |  |
| 09                  | 22-28-9092      | 42377-0219         | 27   | 22-28-9272      | 42377-0237 |  |  |  |  |  |  |
| 10                  | 22-28-9102      | 42377-0220         | 28   | 22-28-9282      | 42377-0238 |  |  |  |  |  |  |
| 11                  | 22-28-9112      | 42377-0221         | 29   | 22-28-9292      | 42377-0239 |  |  |  |  |  |  |
| 12                  | 22-28-9122      | 42377-0222         | 30   | 22-28-9302      | 42377-0240 |  |  |  |  |  |  |
| 13                  | 22-28-9132      | 42377-0223         | 31   | 22-28-9312      | 42377-0241 |  |  |  |  |  |  |
| 14                  | 22-28-9142      | 42377-0224         | 32   | 22-28-9322      | 42377-0242 |  |  |  |  |  |  |
| 15                  | 22-28-9152      | 42377-0225         | 33   | 22-28-9332      | 42377-0243 |  |  |  |  |  |  |
| 16                  | 22-28-9162      | 42377-0226         | 34   | 22-28-9342      | 42377-0244 |  |  |  |  |  |  |
| 17                  | 22-28-9172      | 42377-0227         | 35   | 22-28-9352      | 42377-0245 |  |  |  |  |  |  |
| 18                  | 22-28-9182      | 42377-0228         | 36   | 22-28-9362      | 42377-0246 |  |  |  |  |  |  |
| 19                  | 22-28-9192      | 42377-0229         |      |                 |            |  |  |  |  |  |  |

|                     |                 |                    |      |                 |            |  |  |  |  |  |  |
|---------------------|-----------------|--------------------|------|-----------------|------------|--|--|--|--|--|--|
| ✓ A-42377-0247-0281 |                 |                    |      |                 |            |  |  |  |  |  |  |
| HEADER NUMBER:      |                 | 42312-0036         |      |                 |            |  |  |  |  |  |  |
| PIN NUMBER:         |                 | 42663-BXB208       |      |                 |            |  |  |  |  |  |  |
| PIN LENGTH: L       |                 | .645/16.38         |      |                 |            |  |  |  |  |  |  |
| MATING LENGTH: M    |                 | .324/8.23          |      |                 |            |  |  |  |  |  |  |
| GOLD POINT: G       |                 | .140/3.56          |      |                 |            |  |  |  |  |  |  |
| PIN HEIGHT: Y       |                 | .070/1.78          |      |                 |            |  |  |  |  |  |  |
| PC TAIL LENGTH: P   |                 | .135/3.43          |      |                 |            |  |  |  |  |  |  |
| TIN: T              |                 | .135/3.43          |      |                 |            |  |  |  |  |  |  |
| CKTS:               |                 | 2-36               |      |                 |            |  |  |  |  |  |  |
| KINKS:              |                 | PER SMES-42003     |      |                 |            |  |  |  |  |  |  |
| REMOVED BACKWALLS:  |                 | NONE               |      |                 |            |  |  |  |  |  |  |
| VOIDED CKTS:        |                 | NONE               |      |                 |            |  |  |  |  |  |  |
| PACKAGING:          |                 | BULK PK-40873-0041 |      |                 |            |  |  |  |  |  |  |
| CKTS                | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |  |  |  |  |  |  |
| 02                  | 22-28-9023      | 42377-0247         | 20   | 22-28-9203      | 42377-0265 |  |  |  |  |  |  |
| 03                  | 22-28-9033      | 42377-0248         | 21   | 22-28-9213      | 42377-0266 |  |  |  |  |  |  |
| 04                  | 22-28-9043      | 42377-0249         | 22   | 22-28-9223      | 42377-0267 |  |  |  |  |  |  |
| 05                  | 22-28-9053      | 42377-0250         | 23   | 22-28-9233      | 42377-0268 |  |  |  |  |  |  |
| 06                  | 22-28-9063      | 42377-0251         | 24   | 22-28-9243      | 42377-0269 |  |  |  |  |  |  |
| 07                  | 22-28-9073      | 42377-0252         | 25   | 22-28-9253      | 42377-0270 |  |  |  |  |  |  |
| 08                  | 22-28-9083      | 42377-0253         | 26   | 22-28-9263      | 42377-0271 |  |  |  |  |  |  |
| 09                  | 22-28-9093      | 42377-0254         | 27   | 22-28-9273      | 42377-0272 |  |  |  |  |  |  |
| 10                  | 22-28-9103      | 42377-0255         | 28   | 22-28-9283      | 42377-0273 |  |  |  |  |  |  |
| 11                  | 22-28-9113      | 42377-0256         | 29   | 22-28-9293      | 42377-0274 |  |  |  |  |  |  |
| 12                  | 22-28-9123      | 42377-0257         | 30   | 22-28-9303      | 42377-0275 |  |  |  |  |  |  |
| 13                  | 22-28-9133      | 42377-0258         | 31   | 22-28-9313      | 42377-0276 |  |  |  |  |  |  |
| 14                  | 22-28-9143      | 42377-0259         | 32   | 22-28-9323      | 42377-0277 |  |  |  |  |  |  |
| 15                  | 22-28-9153      | 42377-0260         | 33   | 22-28-9333      | 42377-0278 |  |  |  |  |  |  |
| 16                  | 22-28-9163      | 42377-0261         | 34   | 22-28-9343      | 42377-0279 |  |  |  |  |  |  |
| 17                  | 22-28-9173      | 42377-0262         | 35   | 22-28-9353      | 42377-0280 |  |  |  |  |  |  |
| 18                  | 22-28-9183      | 42377-0263         | 36   | 22-28-9363      | 42377-0281 |  |  |  |  |  |  |
| 19                  | 22-28-9193      | 42377-0264         |      |                 |            |  |  |  |  |  |  |

|                         |                                   |                                                                  |                    |
|-------------------------|-----------------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>       | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X4</b>               | <u>EC No:</u> <b>UCP2015-1410</b> | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 5 -</b>       |
|                         | <u>DATE:</u> <b>11/14/2014</b>    |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                                   | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                                   | <b>MKIPPER</b>                                                   | <b>NNGUYEN</b>     |
|                         |                                   | <u>APPROVED BY:</u>                                              |                    |
|                         |                                   | <b>FSMITH</b>                                                    |                    |

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

|                                                                 |                 |                      |      |                                                                  |            |                       |                 |                    |      |                 |            |
|-----------------------------------------------------------------|-----------------|----------------------|------|------------------------------------------------------------------|------------|-----------------------|-----------------|--------------------|------|-----------------|------------|
|                                                                 |                 |                      |      |                                                                  |            |                       |                 |                    |      |                 |            |
|                                                                 |                 |                      |      |                                                                  |            |                       |                 |                    |      |                 |            |
| ✓ A-42377-0282 / 0316                                           |                 |                      |      |                                                                  |            | ✓ A-42377-0317 / 0351 |                 |                    |      |                 |            |
| HEADER NUMBER:                                                  |                 | 42312-0036           |      |                                                                  |            | HEADER NUMBER:        |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:                                                     |                 | 42663-AZB228         |      |                                                                  |            | PIN NUMBER:           |                 | 42663-BSB228       |      |                 |            |
| PIN LENGTH: L                                                   |                 | .550/13.97           |      |                                                                  |            | PIN LENGTH: L         |                 | .630/16.00         |      |                 |            |
| MATING LENGTH: M                                                |                 | .244/6.20            |      |                                                                  |            | MATING LENGTH: M      |                 | .324/8.23          |      |                 |            |
| GOLD POINT: G                                                   |                 | .140/3.56            |      |                                                                  |            | GOLD POINT: G         |                 | .140/3.56          |      |                 |            |
| PIN HEIGHT: Y                                                   |                 | .070/1.78            |      |                                                                  |            | PIN HEIGHT: Y         |                 | .070/1.78          |      |                 |            |
| PC TAIL LENGTH: P                                               |                 | .120/3.05            |      |                                                                  |            | PC TAIL LENGTH: P     |                 | .120/3.05          |      |                 |            |
| TIN: T                                                          |                 | .135/3.43            |      |                                                                  |            | TIN: T                |                 | .135/3.43          |      |                 |            |
| CKTS:                                                           |                 | 2-36                 |      |                                                                  |            | CKTS:                 |                 | 2-36               |      |                 |            |
| KINKS:                                                          |                 | NONE                 |      |                                                                  |            | KINKS:                |                 | NONE               |      |                 |            |
| REMOVED BACKWALLS:                                              |                 | NONE                 |      |                                                                  |            | REMOVED BACKWALLS:    |                 | NONE               |      |                 |            |
| VOIDED CKTS:                                                    |                 | NONE                 |      |                                                                  |            | VOIDED CKTS:          |                 | NONE               |      |                 |            |
| PACKAGING:                                                      |                 | BULK PK-40873-0041   |      |                                                                  |            | PACKAGING:            |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                                                            | MATERIAL NUMBER | ENG NUMBER           | CKTS | MATERIAL NUMBER                                                  | ENG NUMBER | CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                                                              | 22-28-8024      | 42377-0282           | 20   | 22-28-8204                                                       | 42377-0300 | 02                    | 22-28-8025      | 42377-0317         | 20   | 22-28-8205      | 42377-0335 |
| 03                                                              | 22-28-8034      | 42377-0283           | 21   | 22-28-8214                                                       | 42377-0301 | 03                    | 22-28-8035      | 42377-0318         | 21   | 22-28-8215      | 42377-0336 |
| 04                                                              | 22-28-8044      | 42377-0284           | 22   | 22-28-8224                                                       | 42377-0302 | 04                    | 22-28-8045      | 42377-0319         | 22   | 22-28-8225      | 42377-0337 |
| 05                                                              | 22-28-8054      | 42377-0285           | 23   | 22-28-8234                                                       | 42377-0303 | 05                    | 22-28-8055      | 42377-0320         | 23   | 22-28-8235      | 42377-0338 |
| 06                                                              | 22-28-8064      | 42377-0286           | 24   | 22-28-8244                                                       | 42377-0304 | 06                    | 22-28-8065      | 42377-0321         | 24   | 22-28-8245      | 42377-0339 |
| 07                                                              | 22-28-8074      | 42377-0287           | 25   | 22-28-8254                                                       | 42377-0305 | 07                    | 22-28-8075      | 42377-0322         | 25   | 22-28-8255      | 42377-0340 |
| 08                                                              | 22-28-8084      | 42377-0288           | 26   | 22-28-8264                                                       | 42377-0306 | 08                    | 22-28-8085      | 42377-0323         | 26   | 22-28-8265      | 42377-0341 |
| 09                                                              | 22-28-8094      | 42377-0289           | 27   | 22-28-8274                                                       | 42377-0307 | 09                    | 22-28-8095      | 42377-0324         | 27   | 22-28-8275      | 42377-0342 |
| 10                                                              | 22-28-8104      | 42377-0290           | 28   | 22-28-8284                                                       | 42377-0308 | 10                    | 22-28-8105      | 42377-0325         | 28   | 22-28-8285      | 42377-0343 |
| 11                                                              | 22-28-8114      | 42377-0291           | 29   | 22-28-8294                                                       | 42377-0309 | 11                    | 22-28-8115      | 42377-0326         | 29   | 22-28-8295      | 42377-0344 |
| 12                                                              | 22-28-8124      | 42377-0292           | 30   | 22-28-8304                                                       | 42377-0310 | 12                    | 22-28-8125      | 42377-0327         | 30   | 22-28-8305      | 42377-0345 |
| 13                                                              | 22-28-8134      | 42377-0293           | 31   | 22-28-8314                                                       | 42377-0311 | 13                    | 22-28-8135      | 42377-0328         | 31   | 22-28-8315      | 42377-0346 |
| 14                                                              | 22-28-8144      | 42377-0294           | 32   | 22-28-8324                                                       | 42377-0312 | 14                    | 22-28-8145      | 42377-0329         | 32   | 22-28-8325      | 42377-0347 |
| 15                                                              | 22-28-8154      | 42377-0295           | 33   | 22-28-8334                                                       | 42377-0313 | 15                    | 22-28-8155      | 42377-0330         | 33   | 22-28-8335      | 42377-0348 |
| 16                                                              | 22-28-8164      | 42377-0296           | 34   | 22-28-8344                                                       | 42377-0314 | 16                    | 22-28-8165      | 42377-0331         | 34   | 22-28-8345      | 42377-0349 |
| 17                                                              | 22-28-8174      | 42377-0297           | 35   | 22-28-8354                                                       | 42377-0315 | 17                    | 22-28-8175      | 42377-0332         | 35   | 22-28-8355      | 42377-0350 |
| 18                                                              | 22-28-8184      | 42377-0298           | 36   | 22-28-8364                                                       | 42377-0316 | 18                    | 22-28-8185      | 42377-0333         | 36   | 22-28-8365      | 42377-0351 |
| 19                                                              | 22-28-8194      | 42377-0299           |      |                                                                  |            | 19                    | 22-28-8195      | 42377-0334         |      |                 |            |
| REV:                                                            |                 | ECR/ECN INFORMATION: |      | TITLE:                                                           |            |                       |                 | SHEET No.          |      |                 |            |
| <b>X4</b>                                                       |                 | EC No: UCP2015-1410  |      | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |            |                       |                 | <b>- 6 -</b>       |      |                 |            |
|                                                                 |                 | DATE: 11/14/2014     |      |                                                                  |            |                       |                 |                    |      |                 |            |
| DOCUMENT NUMBER:                                                |                 |                      |      | CREATED / REVISED BY:                                            |            | CHECKED BY:           |                 | APPROVED BY:       |      |                 |            |
| <b>SD- 42377-001</b>                                            |                 |                      |      | <b>MKIPPER</b>                                                   |            | <b>NNGUYEN</b>        |                 | <b>FSMITH</b>      |      |                 |            |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                 |                      |      |                                                                  |            |                       |                 |                    |      |                 |            |

|                                                                 |                 |                      |      |                 |            |                                                                              |  |                |  |               |  |
|-----------------------------------------------------------------|-----------------|----------------------|------|-----------------|------------|------------------------------------------------------------------------------|--|----------------|--|---------------|--|
|                                                                 |                 |                      |      |                 |            |                                                                              |  |                |  |               |  |
|                                                                 |                 |                      |      |                 |            |                                                                              |  |                |  |               |  |
| ✓ A-42377-0352/0386                                             |                 |                      |      |                 |            |                                                                              |  |                |  |               |  |
| HEADER NUMBER:                                                  |                 | 42312-0036           |      |                 |            |                                                                              |  |                |  |               |  |
| PIN NUMBER:                                                     |                 | 42663-BCB228         |      |                 |            |                                                                              |  |                |  |               |  |
| PIN LENGTH: L                                                   |                 | .565/14.35           |      |                 |            |                                                                              |  |                |  |               |  |
| MATING LENGTH: M                                                |                 | .244/6.20            |      |                 |            |                                                                              |  |                |  |               |  |
| GOLD POINT: G                                                   |                 | .100/2.54            |      |                 |            |                                                                              |  |                |  |               |  |
| PIN HEIGHT: Y                                                   |                 | .070/1.78            |      |                 |            |                                                                              |  |                |  |               |  |
| PC TAIL LENGTH: P                                               |                 | .135/3.43.           |      |                 |            |                                                                              |  |                |  |               |  |
| TIN: T                                                          |                 | .135/3.43            |      |                 |            |                                                                              |  |                |  |               |  |
| CKTS:                                                           |                 | 2-36                 |      |                 |            |                                                                              |  |                |  |               |  |
| KINKS:                                                          |                 | PER SMES-42003       |      |                 |            |                                                                              |  |                |  |               |  |
| REMOVED BACKWALLS:                                              |                 | NONE                 |      |                 |            |                                                                              |  |                |  |               |  |
| VOIDED CKTS:                                                    |                 | NONE                 |      |                 |            |                                                                              |  |                |  |               |  |
| PACKAGING:                                                      |                 | BULK PK-40873-0041   |      |                 |            |                                                                              |  |                |  |               |  |
| CKTS                                                            | MATERIAL NUMBER | ENG NUMBER           | CKTS | MATERIAL NUMBER | ENG NUMBER |                                                                              |  |                |  |               |  |
| 02                                                              | 22-28-9024      | 42377-0352           | 20   | 22-28-9204      | 42377-0370 |                                                                              |  |                |  |               |  |
| 03                                                              | 22-28-9034      | 42377-0353           | 21   | 22-28-9214      | 42377-0371 |                                                                              |  |                |  |               |  |
| 04                                                              | 22-28-9044      | 42377-0354           | 22   | 22-28-9224      | 42377-0372 |                                                                              |  |                |  |               |  |
| 05                                                              | 22-28-9054      | 42377-0355           | 23   | 22-28-9234      | 42377-0373 |                                                                              |  |                |  |               |  |
| 06                                                              | 22-28-9064      | 42377-0356           | 24   | 22-28-9244      | 42377-0374 |                                                                              |  |                |  |               |  |
| 07                                                              | 22-28-9074      | 42377-0357           | 25   | 22-28-9254      | 42377-0375 |                                                                              |  |                |  |               |  |
| 08                                                              | 22-28-9084      | 42377-0358           | 26   | 22-28-9264      | 42377-0376 |                                                                              |  |                |  |               |  |
| 09                                                              | 22-28-9094      | 42377-0359           | 27   | 22-28-9274      | 42377-0377 |                                                                              |  |                |  |               |  |
| 10                                                              | 22-28-9104      | 42377-0360           | 28   | 22-28-9284      | 42377-0378 |                                                                              |  |                |  |               |  |
| 11                                                              | 22-28-9114      | 42377-0361           | 29   | 22-28-9294      | 42377-0379 |                                                                              |  |                |  |               |  |
| 12                                                              | 22-28-9124      | 42377-0362           | 30   | 22-28-9304      | 42377-0380 |                                                                              |  |                |  |               |  |
| 13                                                              | 22-28-9134      | 42377-0363           | 31   | 22-28-9314      | 42377-0381 |                                                                              |  |                |  |               |  |
| 14                                                              | 22-28-9144      | 42377-0364           | 32   | 22-28-9324      | 42377-0382 |                                                                              |  |                |  |               |  |
| 15                                                              | 22-28-9154      | 42377-0365           | 33   | 22-28-9334      | 42377-0383 |                                                                              |  |                |  |               |  |
| 16                                                              | 22-28-9164      | 42377-0366           | 34   | 22-28-9344      | 42377-0384 |                                                                              |  |                |  |               |  |
| 17                                                              | 22-28-9174      | 42377-0367           | 35   | 22-28-9354      | 42377-0385 |                                                                              |  |                |  |               |  |
| 18                                                              | 22-28-9184      | 42377-0368           | 36   | 22-28-9364      | 42377-0386 |                                                                              |  |                |  |               |  |
| 19                                                              | 22-28-9194      | 42377-0369           |      |                 |            |                                                                              |  |                |  |               |  |
| REV:                                                            |                 | ECR/ECN INFORMATION: |      |                 |            | TITLE:                                                                       |  |                |  | SHEET No.     |  |
| <b>X4</b>                                                       |                 | EC No: UCP2015-1410  |      |                 |            | <b>KK 100 HEADER ASSEMBLY</b><br><b>FLAT RIGHT ANGLE</b><br><b>BREAKAWAY</b> |  |                |  | <b>- 7 -</b>  |  |
|                                                                 |                 | DATE: 11/14/2014     |      |                 |            |                                                                              |  |                |  |               |  |
| DOCUMENT NUMBER:                                                |                 |                      |      |                 |            | CREATED / REVISED BY:                                                        |  | CHECKED BY:    |  | APPROVED BY:  |  |
| <b>SD- 42377-001</b>                                            |                 |                      |      |                 |            | <b>MKIPPER</b>                                                               |  | <b>NNGUYEN</b> |  | <b>FSMITH</b> |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                 |                      |      |                 |            |                                                                              |  |                |  |               |  |

| ✓ A-42377-0387/0421 |                 |                    |      |                 |            |
|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER:      |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:         |                 | 42663-BXB228       |      |                 |            |
| PIN LENGTH: L       |                 | .630/16.00         |      |                 |            |
| MATING LENGTH: M    |                 | .324/8.23          |      |                 |            |
| GOLD POINT: G       |                 | .140/3.56          |      |                 |            |
| PIN HEIGHT: Y       |                 | .070/1.78          |      |                 |            |
| PC TAIL LENGTH: P   |                 | .135/3.43          |      |                 |            |
| TIN: T              |                 | .135/3.43          |      |                 |            |
| CKTS:               |                 | 2-36               |      |                 |            |
| KINKS:              |                 | PER SMES-42003     |      |                 |            |
| REMOVED BACKWALLS:  |                 | NONE               |      |                 |            |
| VOIDED CKTS:        |                 | NONE               |      |                 |            |
| PACKAGING:          |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                  | 22-28-9025      | 42377-0387         | 20   | 22-28-9205      | 42377-0405 |
| 03                  | 22-28-9035      | 42377-0388         | 21   | 22-28-9215      | 42377-0406 |
| 04                  | 22-28-9045      | 42377-0389         | 22   | 22-28-9225      | 42377-0407 |
| 05                  | 22-28-9055      | 42377-0390         | 23   | 22-28-9235      | 42377-0408 |
| 06                  | 22-28-9065      | 42377-0391         | 24   | 22-28-9245      | 42377-0409 |
| 07                  | 22-28-9075      | 42377-0392         | 25   | 22-28-9255      | 42377-0410 |
| 08                  | 22-28-9085      | 42377-0393         | 26   | 22-28-9265      | 42377-0411 |
| 09                  | 22-28-9095      | 42377-0394         | 27   | 22-28-9275      | 42377-0412 |
| 10                  | 22-28-9105      | 42377-0395         | 28   | 22-28-9285      | 42377-0413 |
| 11                  | 22-28-9115      | 42377-0396         | 29   | 22-28-9295      | 42377-0414 |
| 12                  | 22-28-9125      | 42377-0397         | 30   | 22-28-9305      | 42377-0415 |
| 13                  | 22-28-9135      | 42377-0398         | 31   | 22-28-9315      | 42377-0416 |
| 14                  | 22-28-9145      | 42377-0399         | 32   | 22-28-9325      | 42377-0417 |
| 15                  | 22-28-9155      | 42377-0400         | 33   | 22-28-9335      | 42377-0418 |
| 16                  | 22-28-9165      | 42377-0401         | 34   | 22-28-9345      | 42377-0419 |
| 17                  | 22-28-9175      | 42377-0402         | 35   | 22-28-9355      | 42377-0420 |
| 18                  | 22-28-9185      | 42377-0403         | 36   | 22-28-9365      | 42377-0421 |
| 19                  | 22-28-9195      | 42377-0404         |      |                 |            |



|                                                                          |                 |                       |                 |                                                         |                 |                    |                 |
|--------------------------------------------------------------------------|-----------------|-----------------------|-----------------|---------------------------------------------------------|-----------------|--------------------|-----------------|
|                                                                          |                 |                       |                 |                                                         |                 |                    |                 |
| ✓ A-42377-0693 / 0726                                                    |                 |                       |                 | ✓ A-42377-0779 / 0813                                   |                 |                    |                 |
| HEADER NUMBER:                                                           |                 | 42312-0036            |                 | HEADER NUMBER:                                          |                 | 42312-0036         |                 |
| PIN NUMBER:                                                              |                 | 42663-BCA154          |                 | PIN NUMBER:                                             |                 | 42663-ANA154       |                 |
| PIN LENGTH: L                                                            |                 | .565/14.35            |                 | PIN LENGTH: L                                           |                 | .510/12.95         |                 |
| MATING LENGTH: M                                                         |                 | .244/6.20             |                 | MATING LENGTH: M                                        |                 | .134/3.40          |                 |
| GOLD POINT: G                                                            |                 | N/A                   |                 | GOLD POINT: G                                           |                 | N/A                |                 |
| PIN HEIGHT: Y                                                            |                 | .070/1.78             |                 | PIN HEIGHT: Y                                           |                 | .060/1.52          |                 |
| PC TAIL LENGTH: P                                                        |                 | .135/3.43             |                 | PC TAIL LENGTH: P                                       |                 | .200/5.08          |                 |
| TIN: T                                                                   |                 | OVERALL               |                 | TIN: T                                                  |                 | OVERALL            |                 |
| CKTS:                                                                    |                 | 3-36                  |                 | CKTS:                                                   |                 | 2-36               |                 |
| KINKS:                                                                   |                 | PER SMES-42003        |                 | KINKS:                                                  |                 | NONE               |                 |
| REMOVED BACKWALLS:                                                       |                 | NO                    |                 | REMOVED BACKWALLS:                                      |                 | NONE               |                 |
| VOIDED CKTS:                                                             |                 | 2                     |                 | VOIDED CKTS:                                            |                 | NONE               |                 |
| PACKAGING:                                                               |                 | BULK PK-40873-0041    |                 | PACKAGING:                                              |                 | BULK PK-40873-0041 |                 |
| CKTS                                                                     | MATERIAL NUMBER | CKTS                  | MATERIAL NUMBER | CKTS                                                    | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                                                                       |                 | 20                    | 42377-0710      | 02                                                      | 42377-0779      | 20                 | 42377-0797      |
| 03                                                                       | 42377-0693      | 21                    | 42377-0711      | 03                                                      | 42377-0780      | 21                 | 42377-0798      |
| 04                                                                       | 42377-0694      | 22                    | 42377-0712      | 04                                                      | 42377-0781      | 22                 | 42377-0799      |
| 05                                                                       | 42377-0695      | 23                    | 42377-0713      | 05                                                      | 42377-0782      | 23                 | 42377-0800      |
| 06                                                                       | 42377-0696      | 24                    | 42377-0714      | 06                                                      | 42377-0783      | 24                 | 42377-0801      |
| 07                                                                       | 42377-0697      | 25                    | 42377-0715      | 07                                                      | 42377-0784      | 25                 | 42377-0802      |
| 08                                                                       | 42377-0698      | 26                    | 42377-0716      | 08                                                      | 42377-0785      | 26                 | 42377-0803      |
| 09                                                                       | 42377-0699      | 27                    | 42377-0717      | 09                                                      | 42377-0786      | 27                 | 42377-0804      |
| 10                                                                       | 42377-0700      | 28                    | 42377-0718      | 10                                                      | 42377-0787      | 28                 | 42377-0805      |
| 11                                                                       | 42377-0701      | 29                    | 42377-0719      | 11                                                      | 42377-0788      | 29                 | 42377-0806      |
| 12                                                                       | 42377-0702      | 30                    | 42377-0720      | 12                                                      | 42377-0789      | 30                 | 42377-0807      |
| 13                                                                       | 42377-0703      | 31                    | 42377-0721      | 13                                                      | 42377-0790      | 31                 | 42377-0808      |
| 14                                                                       | 42377-0704      | 32                    | 42377-0727      | 14                                                      | 42377-0791      | 32                 | 42377-0809      |
| 15                                                                       | 42377-0705      | 33                    | 42377-0723      | 15                                                      | 42377-0792      | 33                 | 42377-0810      |
| 16                                                                       | 42377-0706      | 34                    | 42377-0724      | 16                                                      | 42377-0793      | 34                 | 42377-0811      |
| 17                                                                       | 42377-0707      | 35                    | 42377-0725      | 17                                                      | 42377-0794      | 35                 | 42377-0812      |
| 18                                                                       | 42377-0708      | 36                    | 42377-0726      | 18                                                      | 42377-0795      | 36                 | 42377-0813      |
| 19                                                                       | 42377-0709      |                       |                 | 19                                                      | 42377-0796      |                    |                 |
| REV:                                                                     |                 | ECR/ECN INFORMATION:  |                 | TITLE:                                                  |                 | SHEET No.          |                 |
| <b>X4</b>                                                                |                 | EC No: UCP2015-1410   |                 | KK 100 HEADER ASSEMBLY<br>FLAT RIGHT ANGLE<br>BREAKAWAY |                 | <b>- 9 -</b>       |                 |
|                                                                          |                 | DATE: 11/14/2014      |                 |                                                         |                 |                    |                 |
| DOCUMENT NUMBER:                                                         |                 | CREATED / REVISED BY: |                 | CHECKED BY:                                             |                 | APPROVED BY:       |                 |
| <b>SD- 42377-001</b>                                                     |                 | <b>MKIPPER</b>        |                 | <b>NNGUYEN</b>                                          |                 | <b>FSMITH</b>      |                 |
| <div> <div>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</div> </div> |                 |                       |                 |                                                         |                 |                    |                 |

|                                                  |                 |  |  |                                                                                                    |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
|--------------------------------------------------|-----------------|--|--|----------------------------------------------------------------------------------------------------|-----------------|--|--|-----------------------------------------------------------------------------------------------------|-----------------|--|--|--------------------------------------|-----------------|-----------------------------------|--|
|                                                  |                 |  |  |                                                                                                    |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| ✓ A-42377-0864 / 0898                            |                 |  |  |                                                                                                    |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| HEADER NUMBER:                                   |                 |  |  | 42312-0036                                                                                         |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| PIN NUMBER:                                      |                 |  |  | 42663-BXA154                                                                                       |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| PIN LENGTH: L                                    |                 |  |  | .645/16.38                                                                                         |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| MATING LENGTH: M                                 |                 |  |  | .324/8.28                                                                                          |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| GOLD POINT: G                                    |                 |  |  | N/A                                                                                                |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| PIN HEIGHT: Y                                    |                 |  |  | .070/1.78                                                                                          |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| PC TAIL LENGTH: P                                |                 |  |  | .135/3.43                                                                                          |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| TIN: T                                           |                 |  |  | OVERALL                                                                                            |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| CKTS:                                            |                 |  |  | 2-36                                                                                               |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| KINKS:                                           |                 |  |  | NONE                                                                                               |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| REMOVED BACKWALLS:                               |                 |  |  | NONE                                                                                               |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| VOIDED CKTS:                                     |                 |  |  | NONE                                                                                               |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| PACKAGING:                                       |                 |  |  | BULK PK-40873-0041                                                                                 |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| CKTS                                             | MATERIAL NUMBER |  |  | CKTS                                                                                               | MATERIAL NUMBER |  |  | CKTS                                                                                                | MATERIAL NUMBER |  |  | CKTS                                 | MATERIAL NUMBER |                                   |  |
| 02                                               | 42377-0864      |  |  | 20                                                                                                 | 42377-0882      |  |  | 02                                                                                                  | 42377-0864      |  |  | 20                                   | 42377-0882      |                                   |  |
| 03                                               | 42377-0865      |  |  | 21                                                                                                 | 42377-0883      |  |  | 03                                                                                                  | 42377-0865      |  |  | 21                                   | 42377-0883      |                                   |  |
| 04                                               | 42377-0866      |  |  | 22                                                                                                 | 42377-0884      |  |  | 04                                                                                                  | 42377-0866      |  |  | 22                                   | 42377-0884      |                                   |  |
| 05                                               | 42377-0867      |  |  | 23                                                                                                 | 42377-0885      |  |  | 05                                                                                                  | 42377-0867      |  |  | 23                                   | 42377-0885      |                                   |  |
| 06                                               | 42377-0868      |  |  | 24                                                                                                 | 42377-0886      |  |  | 06                                                                                                  | 42377-0868      |  |  | 24                                   | 42377-0886      |                                   |  |
| 07                                               | 42377-0869      |  |  | 25                                                                                                 | 42377-0887      |  |  | 07                                                                                                  | 42377-0869      |  |  | 25                                   | 42377-0887      |                                   |  |
| 08                                               | 42377-0870      |  |  | 26                                                                                                 | 42377-0888      |  |  | 08                                                                                                  | 42377-0870      |  |  | 26                                   | 42377-0888      |                                   |  |
| 09                                               | 42377-0871      |  |  | 27                                                                                                 | 42377-0889      |  |  | 09                                                                                                  | 42377-0871      |  |  | 27                                   | 42377-0889      |                                   |  |
| 10                                               | 42377-0872      |  |  | 28                                                                                                 | 42377-0890      |  |  | 10                                                                                                  | 42377-0872      |  |  | 28                                   | 42377-0890      |                                   |  |
| 11                                               | 42377-0873      |  |  | 29                                                                                                 | 42377-0891      |  |  | 11                                                                                                  | 42377-0873      |  |  | 29                                   | 42377-0891      |                                   |  |
| 12                                               | 42377-0874      |  |  | 30                                                                                                 | 42377-0892      |  |  | 12                                                                                                  | 42377-0874      |  |  | 30                                   | 42377-0892      |                                   |  |
| 13                                               | 42377-0875      |  |  | 31                                                                                                 | 42377-0893      |  |  | 13                                                                                                  | 42377-0875      |  |  | 31                                   | 42377-0893      |                                   |  |
| 14                                               | 42377-0876      |  |  | 32                                                                                                 | 42377-0894      |  |  | 14                                                                                                  | 42377-0876      |  |  | 32                                   | 42377-0894      |                                   |  |
| 15                                               | 42377-0877      |  |  | 33                                                                                                 | 42377-0895      |  |  | 15                                                                                                  | 42377-0877      |  |  | 33                                   | 42377-0895      |                                   |  |
| 16                                               | 42377-0878      |  |  | 34                                                                                                 | 42377-0896      |  |  | 16                                                                                                  | 42377-0878      |  |  | 34                                   | 42377-0896      |                                   |  |
| 17                                               | 42377-0879      |  |  | 35                                                                                                 | 42377-0897      |  |  | 17                                                                                                  | 42377-0879      |  |  | 35                                   | 42377-0897      |                                   |  |
| 18                                               | 42377-0880      |  |  | 36                                                                                                 | 42377-0898      |  |  | 18                                                                                                  | 42377-0880      |  |  | 36                                   | 42377-0898      |                                   |  |
| 19                                               | 42377-0881      |  |  |                                                                                                    |                 |  |  | 19                                                                                                  | 42377-0881      |  |  |                                      |                 |                                   |  |
|                                                  |                 |  |  |                                                                                                    |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |
| REV: <b>X4</b>                                   |                 |  |  | <u>ECR/ECN INFORMATION:</u><br><u>EC No:</u> <b>UCP2015-1410</b><br><u>DATE:</u> <b>11/14/2014</b> |                 |  |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSEMBLY<br/>         FLAT RIGHT ANGLE<br/>         BREAKAWAY</b> |                 |  |  |                                      |                 | <u>SHEET No.</u><br><b>- 10 -</b> |  |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42377-001</b>  |                 |  |  | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                                     |                 |  |  | <u>CHECKED BY:</u><br><b>NNGUYEN</b>                                                                |                 |  |  | <u>APPROVED BY:</u><br><b>FSMITH</b> |                 |                                   |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |  |  |                                                                                                    |                 |  |  |                                                                                                     |                 |  |  |                                      |                 |                                   |  |

| ✓ A-42377-0899/ 0927 |                    |      |                 |
|----------------------|--------------------|------|-----------------|
| HEADER NUMBER:       | 42312-0036         |      |                 |
| PIN NUMBER:          | 42663-BXB208       |      |                 |
| PIN LENGTH: L        | .645/16.38         |      |                 |
| MATING LENGTH: M     | .324/8.28          |      |                 |
| GOLD POINT: G        | .140/3.56          |      |                 |
| PIN HEIGHT: Y        | .070/1.78          |      |                 |
| PC TAIL LENGTH: P    | .135/3.43          |      |                 |
| TIN: T               | .135/3.43          |      |                 |
| CKTS:                | 8-36               |      |                 |
| KINKS:               | PER SMES-42003     |      |                 |
| REMOVED BACKWALLS:   | NONE               |      |                 |
| VOIDED CKTS:         | 2,3,4,6,7,8        |      |                 |
| PACKAGING:           | BULK PK-40873-0041 |      |                 |
| CKTS                 | MATERIAL NUMBER    | CKTS | MATERIAL NUMBER |
| 02                   |                    | 20   | 42377-0911      |
| 03                   |                    | 21   | 42377-0912      |
| 04                   |                    | 22   | 42377-0913      |
| 05                   |                    | 23   | 42377-0914      |
| 06                   |                    | 24   | 42377-0915      |
| 07                   |                    | 25   | 42377-0916      |
| 08                   | 42377-0899         | 26   | 42377-0917      |
| 09                   | 42377-0900         | 27   | 42377-0918      |
| 10                   | 42377-0901         | 28   | 42377-0919      |
| 11                   | 42377-0902         | 29   | 42377-0920      |
| 12                   | 42377-0903         | 30   | 42377-0921      |
| 13                   | 42377-0904         | 31   | 42377-0922      |
| 14                   | 42377-0905         | 32   | 42377-0923      |
| 15                   | 42377-0906         | 33   | 42377-0924      |
| 16                   | 42377-0907         | 34   | 42377-0925      |
| 17                   | 42377-0908         | 35   | 42377-0926      |
| 18                   | 42377-0909         | 36   | 42377-0927      |
| 19                   | 42377-0910         |      |                 |

|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
|--------------------------------------------------|-----------------|--|--|----------------------|-----------------|--|--|------------------------------------------------------------------|--|--|--|---------------|--|--|--|--------------|--|--|--|
|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| ✓ A-42377-0928 / 0962                            |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| HEADER NUMBER:                                   |                 |  |  | 42312-0036           |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| PIN NUMBER:                                      |                 |  |  | 42663-DHB208         |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| PIN LENGTH: L                                    |                 |  |  | .800/20.32           |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| MATING LENGTH: M                                 |                 |  |  | .317/8.05            |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| GOLD POINT: G                                    |                 |  |  | .180/4.57            |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| PIN HEIGHT: Y                                    |                 |  |  | .070/1.78            |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| PC TAIL LENGTH: P                                |                 |  |  | .290/7.37            |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| TIN: T                                           |                 |  |  | .135/3.43            |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| CKTS:                                            |                 |  |  | 2-36                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| KINKS:                                           |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| REMOVED BACKWALLS:                               |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| VOIDED CKTS:                                     |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| PACKAGING:                                       |                 |  |  | BULK PK-40873-0043   |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| CKTS                                             | MATERIAL NUMBER |  |  | CKTS                 | MATERIAL NUMBER |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 02                                               | 42377-0928      |  |  | 20                   | 42377-0946      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 03                                               | 42377-0929      |  |  | 21                   | 42377-0947      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 04                                               | 42377-0930      |  |  | 22                   | 42377-0948      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 05                                               | 42377-0931      |  |  | 23                   | 42377-0949      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 06                                               | 42377-0932      |  |  | 24                   | 42377-0950      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 07                                               | 42377-0933      |  |  | 25                   | 42377-0951      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 08                                               | 42377-0934      |  |  | 26                   | 42377-0952      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 09                                               | 42377-0935      |  |  | 27                   | 42377-0953      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 10                                               | 42377-0936      |  |  | 28                   | 42377-0954      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 11                                               | 42377-0937      |  |  | 29                   | 42377-0955      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 12                                               | 42377-0938      |  |  | 30                   | 42377-0956      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 13                                               | 42377-0939      |  |  | 31                   | 42377-0957      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 14                                               | 42377-0940      |  |  | 32                   | 42377-0958      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 15                                               | 42377-0941      |  |  | 33                   | 42377-0959      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 16                                               | 42377-0942      |  |  | 34                   | 42377-0960      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 17                                               | 42377-0943      |  |  | 35                   | 42377-0961      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 18                                               | 42377-0944      |  |  | 36                   | 42377-0962      |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| 19                                               | 42377-0945      |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| REV:                                             |                 |  |  | ECR/ECN INFORMATION: |                 |  |  | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |  |  |  | SHEET No.     |  |  |  |              |  |  |  |
| <b>X4</b>                                        |                 |  |  | EC No: UCP2015-1410  |                 |  |  |                                                                  |  |  |  | <b>- 11 -</b> |  |  |  |              |  |  |  |
|                                                  |                 |  |  | DATE: 11/14/2014     |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |
| DOCUMENT NUMBER:                                 |                 |  |  |                      |                 |  |  | CREATED / REVISED BY:                                            |  |  |  | CHECKED BY:   |  |  |  | APPROVED BY: |  |  |  |
| SD- 42377-001                                    |                 |  |  |                      |                 |  |  | MKIPPER                                                          |  |  |  | NNGUYEN       |  |  |  | FSMITH       |  |  |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |              |  |  |  |

|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
|-----------------------------------------------------------------|-----------------|--|--|----------------------|-----------------|--|--|------------------------------------------------------------------------------------|--|--|--|----------------|--|--|--|---------------|--|--|--|
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| ✓ A-42377-0998 / 1031                                           |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| HEADER NUMBER:                                                  |                 |  |  | 42312-0036           |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| PIN NUMBER:                                                     |                 |  |  | 42663-ABA154         |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| PIN LENGTH: L                                                   |                 |  |  | .455/11.56           |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| MATING LENGTH: M                                                |                 |  |  | .140/3.56            |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| GOLD POINT: G                                                   |                 |  |  | N/A                  |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| PIN HEIGHT: Y                                                   |                 |  |  | .050/1.27            |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| PC TAIL LENGTH: P                                               |                 |  |  | .145/3.68            |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| TIN: T                                                          |                 |  |  | OVERALL              |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| CKTS:                                                           |                 |  |  | 3-36                 |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| KINKS:                                                          |                 |  |  | NONE                 |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| REMOVED BACKWALLS:                                              |                 |  |  | NONE                 |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| VOIDED CKTS:                                                    |                 |  |  | 3                    |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| PACKAGING:                                                      |                 |  |  | BULK PK-40873-0041   |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| CKTS                                                            | MATERIAL NUMBER |  |  | CKTS                 | MATERIAL NUMBER |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 02                                                              |                 |  |  | 20                   | 42377-1015      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 03                                                              | 42377-0998      |  |  | 21                   | 42377-1016      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 04                                                              | 42377-0999      |  |  | 22                   | 42377-1017      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 05                                                              | 42377-1000      |  |  | 23                   | 42377-1018      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 06                                                              | 42377-1001      |  |  | 24                   | 42377-1019      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 07                                                              | 42377-1002      |  |  | 25                   | 42377-1020      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 08                                                              | 42377-1003      |  |  | 26                   | 42377-1021      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 09                                                              | 42377-1004      |  |  | 27                   | 42377-1022      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 10                                                              | 42377-1005      |  |  | 28                   | 42377-1023      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 11                                                              | 42377-1006      |  |  | 29                   | 42377-1024      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 12                                                              | 42377-1007      |  |  | 30                   | 42377-1025      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 13                                                              | 42377-1008      |  |  | 31                   | 42377-1026      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 14                                                              | 42377-1009      |  |  | 32                   | 42377-1027      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 15                                                              | 42377-1010      |  |  | 33                   | 42377-1028      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 16                                                              | 42377-1011      |  |  | 34                   | 42377-1029      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 17                                                              | 42377-1012      |  |  | 35                   | 42377-1030      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 18                                                              | 42377-1013      |  |  | 36                   | 42377-1031      |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| 19                                                              | 42377-1014      |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| REV:                                                            |                 |  |  | ECR/ECN INFORMATION: |                 |  |  | TITLE:                                                                             |  |  |  | SHEET No.      |  |  |  |               |  |  |  |
| <b>X4</b>                                                       |                 |  |  | EC No: UCP2015-1410  |                 |  |  | <b>KK 100 HEADER ASSEMBLY<br/>         FLAT RIGHT ANGLE<br/>         BREAKAWAY</b> |  |  |  | <b>- 12 -</b>  |  |  |  |               |  |  |  |
|                                                                 |                 |  |  | DATE: 11/14/2014     |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |
| DOCUMENT NUMBER:                                                |                 |  |  |                      |                 |  |  | CREATED / REVISED BY:                                                              |  |  |  | CHECKED BY:    |  |  |  | APPROVED BY:  |  |  |  |
| <b>SD- 42377-001</b>                                            |                 |  |  |                      |                 |  |  | <b>MKIPPER</b>                                                                     |  |  |  | <b>NNGUYEN</b> |  |  |  | <b>FSMITH</b> |  |  |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |                |  |  |  |               |  |  |  |

|                    |                 |                    |                 |                    |                 |                    |                 |
|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|
| A-42377-1101/1130  |                 |                    |                 | A-42377-1131/1165  |                 |                    |                 |
| HEADER NUMBER:     |                 | 42312-0036         |                 | HEADER NUMBER:     |                 | 42312-0036         |                 |
| PIN NUMBER:        |                 | 42663-BSA154       |                 | PIN NUMBER:        |                 | 42663-ARB208       |                 |
| PIN LENGTH: L      |                 | .630/16.00         |                 | PIN LENGTH: L      |                 | .520/13.21         |                 |
| MATING LENGTH: M   |                 | .324/8.23          |                 | MATING LENGTH: M   |                 | .230/5.84          |                 |
| GOLD POINT: G      |                 | N/A                |                 | GOLD POINT: G      |                 | .140/3.56          |                 |
| PIN HEIGHT: Y      |                 | .070/1.78          |                 | PIN HEIGHT: Y      |                 | .070/1.78          |                 |
| PC TAIL LENGTH: P  |                 | .120/3.05          |                 | PC TAIL LENGTH: P  |                 | .093/2.36          |                 |
| TIN: T             |                 | OVERALL            |                 | TIN: T             |                 | .135/3.43          |                 |
| CKTS:              |                 | 2-36               |                 | CKTS:              |                 | 2-36               |                 |
| KINKS:             |                 | NONE               |                 | KINKS:             |                 | NONE               |                 |
| REMOVED BACKWALLS: |                 | NONE               |                 | REMOVED BACKWALLS: |                 | NONE               |                 |
| VOIDED CKTS:       |                 | 7                  |                 | VOIDED CKTS:       |                 | NONE               |                 |
| PACKAGING:         |                 | BULK PK-40873-0041 |                 | PACKAGING:         |                 | BULK PK-40873-0041 |                 |
| CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                 |                 | 20                 | 42377-1114      | 02                 | 42377-1131      | 20                 | 42377-1149      |
| 03                 |                 | 21                 | 42377-1115      | 03                 | 42377-1132      | 21                 | 42377-1150      |
| 04                 |                 | 22                 | 42377-1116      | 04                 | 42377-1133      | 22                 | 42377-1151      |
| 05                 |                 | 23                 | 42377-1117      | 05                 | 42377-1134      | 23                 | 42377-1152      |
| 06                 |                 | 24                 | 42377-1118      | 06                 | 42377-1135      | 24                 | 42377-1153      |
| 07                 | 42377-1101      | 25                 | 42377-1119      | 07                 | 42377-1136      | 25                 | 42377-1154      |
| 08                 | 42377-1102      | 26                 | 42377-1120      | 08                 | 42377-1137      | 26                 | 42377-1155      |
| 09                 | 42377-1103      | 27                 | 42377-1121      | 09                 | 42377-1138      | 27                 | 42377-1156      |
| 10                 | 42377-1104      | 28                 | 42377-1122      | 10                 | 42377-1139      | 28                 | 42377-1157      |
| 11                 | 42377-1105      | 29                 | 42377-1123      | 11                 | 42377-1140      | 29                 | 42377-1158      |
| 12                 | 42377-1106      | 30                 | 42377-1124      | 12                 | 42377-1141      | 30                 | 42377-1159      |
| 13                 | 42377-1107      | 31                 | 42377-1125      | 13                 | 42377-1142      | 31                 | 42377-1160      |
| 14                 | 42377-1108      | 32                 | 42377-1126      | 14                 | 42377-1143      | 32                 | 42377-1161      |
| 15                 | 42377-1109      | 33                 | 42377-1127      | 15                 | 42377-1144      | 33                 | 42377-1162      |
| 16                 | 42377-1110      | 34                 | 42377-1128      | 16                 | 42377-1145      | 34                 | 42377-1163      |
| 17                 | 42377-1111      | 35                 | 42377-1129      | 17                 | 42377-1146      | 35                 | 42377-1164      |
| 18                 | 42377-1112      | 36                 | 42377-1130      | 18                 | 42377-1147      | 36                 | 42377-1165      |
| 19                 | 42377-1113      |                    |                 | 19                 | 42377-1148      |                    |                 |

|                      |                       |                                                                                        |               |
|----------------------|-----------------------|----------------------------------------------------------------------------------------|---------------|
| REV:                 | ECR/ECN INFORMATION:  | TITLE:                                                                                 | SHEET No.     |
| <b>X4</b>            | EC No: UCP2015-1410   | <b>KK 100 HEADER ASSEMBLY<br/>           FLAT RIGHT ANGLE<br/>           BREAKAWAY</b> | <b>- 13 -</b> |
|                      | DATE: 11/14/2014      |                                                                                        |               |
| DOCUMENT NUMBER:     | CREATED / REVISED BY: | CHECKED BY:                                                                            | APPROVED BY:  |
| <b>SD- 42377-001</b> | <b>MKIPPER</b>        | <b>NNGUYEN</b>                                                                         | <b>FSMITH</b> |

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

|                                                                 |                      |                    |                                                                                        |                    |                 |                    |                 |  |
|-----------------------------------------------------------------|----------------------|--------------------|----------------------------------------------------------------------------------------|--------------------|-----------------|--------------------|-----------------|--|
|                                                                 |                      |                    |                                                                                        |                    |                 |                    |                 |  |
| A-42377-1166/1200                                               |                      |                    |                                                                                        | A-42377-1201/1234  |                 |                    |                 |  |
| HEADER NUMBER:                                                  |                      | 42312-0036         |                                                                                        | HEADER NUMBER:     |                 | 42312-0036         |                 |  |
| PIN NUMBER:                                                     |                      | 42663-BKA154       |                                                                                        | PIN NUMBER:        |                 | 42663-BKA154       |                 |  |
| PIN LENGTH: L                                                   |                      | .600/15.24         |                                                                                        | PIN LENGTH: L      |                 | .600/15.24         |                 |  |
| MATING LENGTH: M                                                |                      | .320/8.13          |                                                                                        | MATING LENGTH: M   |                 | .320/8.13          |                 |  |
| GOLD POINT: G                                                   |                      | N/A                |                                                                                        | GOLD POINT: G      |                 | N/A                |                 |  |
| PIN HEIGHT: Y                                                   |                      | .070/1.78          |                                                                                        | PIN HEIGHT: Y      |                 | .070/1.78          |                 |  |
| PC TAIL LENGTH: P                                               |                      | .093/2.36          |                                                                                        | PC TAIL LENGTH: P  |                 | .093/2.36          |                 |  |
| TIN: T                                                          |                      | OVERALL            |                                                                                        | TIN: T             |                 | OVERALL            |                 |  |
| CKTS:                                                           |                      | 2-36               |                                                                                        | CKTS:              |                 | 3-36               |                 |  |
| KINKS:                                                          |                      | NONE               |                                                                                        | KINKS:             |                 | NONE               |                 |  |
| REMOVED BACKWALLS:                                              |                      | NONE               |                                                                                        | REMOVED BACKWALLS: |                 | NONE               |                 |  |
| VOIDED CKTS:                                                    |                      | NONE               |                                                                                        | VOIDED CKTS:       |                 | 2                  |                 |  |
| PACKAGING:                                                      |                      | BULK PK-40873-0041 |                                                                                        | PACKAGING:         |                 | BULK PK-40873-0041 |                 |  |
| CKTS                                                            | MATERIAL NUMBER      | CKTS               | MATERIAL NUMBER                                                                        | CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |  |
| 02                                                              | 42377-1166           | 20                 | 42377-1184                                                                             | 02                 |                 | 20                 | 42377-1218      |  |
| 03                                                              | 42377-1167           | 21                 | 42377-1185                                                                             | 03                 | 42377-1201      | 21                 | 42377-1219      |  |
| 04                                                              | 42377-1168           | 22                 | 42377-1186                                                                             | 04                 | 42377-1202      | 22                 | 42377-1220      |  |
| 05                                                              | 42377-1169           | 23                 | 42377-1187                                                                             | 05                 | 42377-1203      | 23                 | 42377-1221      |  |
| 06                                                              | 42377-1170           | 24                 | 42377-1188                                                                             | 06                 | 42377-1204      | 24                 | 42377-1222      |  |
| 07                                                              | 42377-1171           | 25                 | 42377-1189                                                                             | 07                 | 42377-1205      | 25                 | 42377-1223      |  |
| 08                                                              | 42377-1172           | 26                 | 42377-1190                                                                             | 08                 | 42377-1206      | 26                 | 42377-1224      |  |
| 09                                                              | 42377-1173           | 27                 | 42377-1191                                                                             | 09                 | 42377-1207      | 27                 | 42377-1225      |  |
| 10                                                              | 42377-1174           | 28                 | 42377-1192                                                                             | 10                 | 42377-1208      | 28                 | 42377-1226      |  |
| 11                                                              | 42377-1175           | 29                 | 42377-1193                                                                             | 11                 | 42377-1209      | 29                 | 42377-1227      |  |
| 12                                                              | 42377-1176           | 30                 | 42377-1194                                                                             | 12                 | 42377-1210      | 30                 | 42377-1228      |  |
| 13                                                              | 42377-1177           | 31                 | 42377-1195                                                                             | 13                 | 42377-1211      | 31                 | 42377-1229      |  |
| 14                                                              | 42377-1178           | 32                 | 42377-1196                                                                             | 14                 | 42377-1212      | 32                 | 42377-1230      |  |
| 15                                                              | 42377-1179           | 33                 | 42377-1197                                                                             | 15                 | 42377-1213      | 33                 | 42377-1231      |  |
| 16                                                              | 42377-1180           | 34                 | 42377-1198                                                                             | 16                 | 42377-1214      | 34                 | 42377-1232      |  |
| 17                                                              | 42377-1181           | 35                 | 42377-1199                                                                             | 17                 | 42377-1215      | 35                 | 42377-1233      |  |
| 18                                                              | 42377-1182           | 36                 | 42377-1200                                                                             | 18                 | 42377-1216      | 36                 | 42377-1234      |  |
| 19                                                              | 42377-1183           |                    |                                                                                        | 19                 | 42377-1217      |                    |                 |  |
|                                                                 |                      |                    |                                                                                        |                    |                 |                    |                 |  |
| REV:                                                            | ECR/ECN INFORMATION: |                    | TITLE:                                                                                 |                    |                 | SHEET No.          |                 |  |
| <b>X4</b>                                                       | EC No: UCP2015-1410  |                    | <b>KK 100 HEADER ASSEMBLY<br/>           FLAT RIGHT ANGLE<br/>           BREAKAWAY</b> |                    |                 | <b>- 14 -</b>      |                 |  |
|                                                                 | DATE: 11/14/2014     |                    |                                                                                        |                    |                 |                    |                 |  |
| DOCUMENT NUMBER:                                                |                      |                    | CREATED / REVISED BY:                                                                  |                    | CHECKED BY:     |                    | APPROVED BY:    |  |
| <b>SD- 42377-001</b>                                            |                      |                    | <b>MKIPPER</b>                                                                         |                    | <b>NNGUYEN</b>  |                    | <b>FSMITH</b>   |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                      |                    |                                                                                        |                    |                 |                    |                 |  |

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|                                                                 |                      |                       |                                                                                        |
| A-42377-1067/1100                                               |                      |                       |                                                                                        |
| HEADER NUMBER:                                                  |                      | 42312-0036            |                                                                                        |
| PIN NUMBER:                                                     |                      | 42663-ATB208          |                                                                                        |
| PIN LENGTH: L                                                   |                      | .530 / 13.46          |                                                                                        |
| MATING LENGTH: M                                                |                      | .244 / 6.20           |                                                                                        |
| GOLD POINT: G                                                   |                      | .140 / 3.56           |                                                                                        |
| PIN HEIGHT: Y                                                   |                      | .050 / 1.27           |                                                                                        |
| PC TAIL LENGTH: P                                               |                      | .120 / 3.05           |                                                                                        |
| TIN: T                                                          |                      | .135 / 3.43           |                                                                                        |
| CKTS:                                                           |                      | 3-36                  |                                                                                        |
| KINKS:                                                          |                      | NONE                  |                                                                                        |
| REMOVED BACKWALLS:                                              |                      | NONE                  |                                                                                        |
| VOIDED CKTS:                                                    |                      | 3                     |                                                                                        |
| PACKAGING:                                                      |                      | BULK PK-40873-0041    |                                                                                        |
| CKTS                                                            | MATERIAL NUMBER      | CKTS                  | MATERIAL NUMBER                                                                        |
| 02                                                              |                      | 20                    |                                                                                        |
| 03                                                              |                      | 21                    |                                                                                        |
| 04                                                              |                      | 22                    |                                                                                        |
| 05                                                              |                      | 23                    |                                                                                        |
| 06                                                              |                      | 24                    |                                                                                        |
| 07                                                              |                      | 25                    |                                                                                        |
| 08                                                              |                      | 26                    |                                                                                        |
| 09                                                              |                      | 27                    |                                                                                        |
| 10                                                              |                      | 28                    |                                                                                        |
| 11                                                              | 42377-1075           | 29                    |                                                                                        |
| 12                                                              |                      | 30                    |                                                                                        |
| 13                                                              |                      | 31                    |                                                                                        |
| 14                                                              |                      | 32                    |                                                                                        |
| 15                                                              |                      | 33                    |                                                                                        |
| 16                                                              |                      | 34                    |                                                                                        |
| 17                                                              |                      | 35                    |                                                                                        |
| 18                                                              |                      | 36                    |                                                                                        |
| 19                                                              |                      |                       |                                                                                        |
|                                                                 |                      |                       |                                                                                        |
| A-42377-1235/1269                                               |                      |                       |                                                                                        |
| HEADER NUMBER:                                                  |                      | 42312-0036            |                                                                                        |
| PIN NUMBER:                                                     |                      | 42663-BXB228          |                                                                                        |
| PIN LENGTH: L                                                   |                      | .645/16.48            |                                                                                        |
| MATING LENGTH: M                                                |                      | .324/8.23             |                                                                                        |
| GOLD POINT: G                                                   |                      | .140/3.56             |                                                                                        |
| PIN HEIGHT: Y                                                   |                      | .070/1.78             |                                                                                        |
| PC TAIL LENGTH: P                                               |                      | .135/3.43             |                                                                                        |
| TIN: T                                                          |                      | .135/3.43             |                                                                                        |
| CKTS:                                                           |                      | 2-36                  |                                                                                        |
| KINKS:                                                          |                      | NONE                  |                                                                                        |
| REMOVED BACKWALLS:                                              |                      | NONE                  |                                                                                        |
| VOIDED CKTS:                                                    |                      | NONE                  |                                                                                        |
| PACKAGING:                                                      |                      | BULK PK-40873-0041    |                                                                                        |
| CKTS                                                            | MATERIAL NUMBER      | CKTS                  | MATERIAL NUMBER                                                                        |
| 02                                                              | 42377-1235           | 20                    |                                                                                        |
| 03                                                              |                      | 21                    |                                                                                        |
| 04                                                              |                      | 22                    |                                                                                        |
| 05                                                              |                      | 23                    |                                                                                        |
| 06                                                              |                      | 24                    |                                                                                        |
| 07                                                              |                      | 25                    |                                                                                        |
| 08                                                              |                      | 26                    |                                                                                        |
| 09                                                              |                      | 27                    |                                                                                        |
| 10                                                              |                      | 28                    |                                                                                        |
| 11                                                              |                      | 29                    |                                                                                        |
| 12                                                              |                      | 30                    |                                                                                        |
| 13                                                              |                      | 31                    |                                                                                        |
| 14                                                              |                      | 32                    |                                                                                        |
| 15                                                              |                      | 33                    |                                                                                        |
| 16                                                              |                      | 34                    |                                                                                        |
| 17                                                              |                      | 35                    |                                                                                        |
| 18                                                              |                      | 36                    |                                                                                        |
| 19                                                              |                      |                       |                                                                                        |
|                                                                 |                      |                       |                                                                                        |
| REV:                                                            | ECR/ECN INFORMATION: |                       | TITLE:                                                                                 |
| <b>X4</b>                                                       | EC No: UCP2015-1410  |                       | <b>KK 100 HEADER ASSEMBLY<br/>           FLAT RIGHT ANGLE<br/>           BREAKAWAY</b> |
|                                                                 | DATE: 11/14/2014     |                       |                                                                                        |
| DOCUMENT NUMBER:                                                |                      | CREATED / REVISED BY: | CHECKED BY:                                                                            |
| <b>SD- 42377-001</b>                                            |                      | <b>MKIPPER</b>        | <b>NNGUYEN</b>                                                                         |
|                                                                 |                      | APPROVED BY:          |                                                                                        |
|                                                                 |                      | <b>FSMITH</b>         |                                                                                        |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                      |                       |                                                                                        |

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|---------------------|-----------------|--------------------------------|-----------------|---------------------|-----------------|--------------------|-----------------|
| A-42377-1270 / 1304 |                 |                                |                 | ✓ A-42377-1305/1339 |                 |                    |                 |
| HEADER NUMBER:      |                 | 42312-0036                     |                 | HEADER NUMBER:      |                 | 42312-0036         |                 |
| PIN NUMBER:         |                 | 42663-BHA154                   |                 | PIN NUMBER:         |                 | 42663-BYA154       |                 |
| PIN LENGTH: L       |                 | .590 / 14.99                   |                 | PIN LENGTH: L       |                 | .650/16.51         |                 |
| MATING LENGTH: M    |                 | .343 / 8.71                    |                 | MATING LENGTH: M    |                 | .394/10.01         |                 |
| GOLD POINT: G       |                 | N/A                            |                 | GOLD POINT: G       |                 | N/A                |                 |
| PIN HEIGHT: Y       |                 | .070 / 1.78                    |                 | PIN HEIGHT: Y       |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P   |                 | .055 +/- .025<br>1.40 +/- 0.64 |                 | PC TAIL LENGTH: P   |                 | .089/2.26          |                 |
| TIN: T              |                 | OVERALL                        |                 | TIN: T              |                 | OVERALL            |                 |
| CKTS:               |                 | 2-36                           |                 | CKTS:               |                 | 2-36               |                 |
| KINKS:              |                 | NONE                           |                 | KINKS:              |                 | NONE               |                 |
| REMOVED BACKWALLS:  |                 | NONE                           |                 | REMOVED BACKWALLS:  |                 | NONE               |                 |
| VOIDED CKTS:        |                 | 2                              |                 | VOIDED CKTS:        |                 | NONE               |                 |
| PACKAGING:          |                 | BULK PK-40873-0041             |                 | PACKAGING:          |                 | BULK PK-40873-0041 |                 |
| CKTS                | MATERIAL NUMBER | CKTS                           | MATERIAL NUMBER | CKTS                | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                  |                 | 20                             |                 | 02                  | 42377-1305      | 20                 |                 |
| 03                  | 42377-1271      | 21                             |                 | 03                  |                 | 21                 |                 |
| 04                  |                 | 22                             |                 | 04                  |                 | 22                 |                 |
| 05                  |                 | 23                             |                 | 05                  |                 | 23                 |                 |
| 06                  |                 | 24                             |                 | 06                  | 42377-1309      | 24                 |                 |
| 07                  |                 | 25                             |                 | 07                  |                 | 25                 |                 |
| 08                  |                 | 26                             |                 | 08                  |                 | 26                 |                 |
| 09                  |                 | 27                             |                 | 09                  |                 | 27                 |                 |
| 10                  |                 | 28                             |                 | 10                  |                 | 28                 |                 |
| 11                  |                 | 29                             |                 | 11                  |                 | 29                 |                 |
| 12                  |                 | 30                             |                 | 12                  |                 | 30                 |                 |
| 13                  |                 | 31                             |                 | 13                  |                 | 31                 |                 |
| 14                  |                 | 32                             |                 | 14                  |                 | 32                 |                 |
| 15                  |                 | 33                             |                 | 15                  |                 | 33                 |                 |
| 16                  |                 | 34                             |                 | 16                  |                 | 34                 |                 |
| 17                  |                 | 35                             |                 | 17                  |                 | 35                 |                 |
| 18                  |                 | 36                             |                 | 18                  |                 | 36                 |                 |
| 19                  |                 |                                |                 | 19                  |                 |                    |                 |

|                      |                       |                                                         |               |
|----------------------|-----------------------|---------------------------------------------------------|---------------|
| REV:                 | ECR/ECN INFORMATION:  | TITLE:                                                  | SHEET No.     |
| <b>X4</b>            | EC No: UCP2015-1410   | KK 100 HEADER ASSEMBLY<br>FLAT RIGHT ANGLE<br>BREAKAWAY | <b>- 16 -</b> |
|                      | DATE: 11/14/2014      |                                                         |               |
| DOCUMENT NUMBER:     | CREATED / REVISED BY: | CHECKED BY:                                             | APPROVED BY:  |
| <b>SD- 42377-001</b> | <b>MKIPPER</b>        | <b>NNGUYEN</b>                                          | <b>FSMITH</b> |

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

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|                     |                 |                                          |                 |
| ✓ A-42377-1340/1358 |                 |                                          |                 |
| HEADER NUMBER:      |                 | 42312-0036                               |                 |
| PIN NUMBER:         |                 | 42663-AFB208                             |                 |
| PIN LENGTH: L       |                 | .475/12.07                               |                 |
| MATING LENGTH: M    |                 | .195/4.95                                |                 |
| GOLD POINT: G       |                 | .150/3.81                                |                 |
| PIN HEIGHT: Y       |                 | .058/1.47                                |                 |
| PC TAIL LENGTH: P   |                 | .093/2.36                                |                 |
| TIN: T              |                 | .100/2.54                                |                 |
| CKTS:               |                 | 18-36                                    |                 |
| KINKS:              |                 | NONE                                     |                 |
| REMOVED BACKWALLS:  |                 | NONE                                     |                 |
| VOIDED CKTS:        |                 | 2, 4, 5, 6, 7, 9, 11, 12, 13, 14, 16, 18 |                 |
| PACKAGING:          |                 | BULK PK-40873-0041                       |                 |
| CKTS                | MATERIAL NUMBER | CKTS                                     | MATERIAL NUMBER |
|                     |                 | 20                                       |                 |
|                     |                 | 21                                       |                 |
|                     |                 | 22                                       |                 |
|                     |                 | 23                                       |                 |
|                     |                 | 24                                       |                 |
|                     |                 | 25                                       |                 |
|                     |                 | 26                                       |                 |
|                     |                 | 27                                       |                 |
|                     |                 | 28                                       |                 |
|                     |                 | 29                                       |                 |
|                     |                 | 30                                       |                 |
|                     |                 | 31                                       |                 |
|                     |                 | 32                                       |                 |
|                     |                 | 33                                       |                 |
|                     |                 | 34                                       |                 |
|                     |                 | 35                                       |                 |
| 18                  |                 | 36                                       |                 |
| 19                  | 42377-1341      |                                          |                 |

|                     |                 |                    |                 |
|---------------------|-----------------|--------------------|-----------------|
| ✓ A-42377-1359/1393 |                 |                    |                 |
| HEADER NUMBER:      |                 | 42312-0036         |                 |
| PIN NUMBER:         |                 | 42663-CJA154       |                 |
| PIN LENGTH: L       |                 | .700 / 17.78       |                 |
| MATING LENGTH: M    |                 | .394/10.01         |                 |
| GOLD POINT: G       |                 | N/A                |                 |
| PIN HEIGHT: Y       |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P   |                 | .135 / 3.43        |                 |
| TIN: T              |                 | OVERALL            |                 |
| CKTS:               |                 | 2-36               |                 |
| KINKS:              |                 | PER SMES-42003     |                 |
| REMOVED BACKWALLS:  |                 | NONE               |                 |
| VOIDED CKTS:        |                 | NONE               |                 |
| PACKAGING:          |                 | BULK PK-40873-0041 |                 |
| CKTS                | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                  | 42377-1359      | 20                 |                 |
| 03                  |                 | 21                 |                 |
| 04                  |                 | 22                 |                 |
| 05                  |                 | 23                 |                 |
| 06                  | 42377-1363      | 24                 |                 |
| 07                  |                 | 25                 |                 |
| 08                  |                 | 26                 |                 |
| 09                  |                 | 27                 |                 |
| 10                  |                 | 28                 |                 |
| 11                  |                 | 29                 |                 |
| 12                  |                 | 30                 |                 |
| 13                  |                 | 31                 |                 |
| 14                  |                 | 32                 |                 |
| 15                  |                 | 33                 |                 |
| 16                  |                 | 34                 |                 |
| 17                  |                 | 35                 |                 |
| 18                  |                 | 36                 |                 |
| 19                  |                 |                    |                 |

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|-------------------------|-----------------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>       | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X4</b>               | <u>EC No:</u> <b>UCP2015-1410</b> | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 17 -</b>      |
|                         | <u>DATE:</u> <b>11/14/2014</b>    |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                                   | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                                   | <b>MKIPPER</b>                                                   | <b>NNGUYEN</b>     |
|                         |                                   | <u>APPROVED BY:</u>                                              |                    |
|                         |                                   | <b>FSMITH</b>                                                    |                    |

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

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|                     |                 |                    |                 |
| ✓ A-42377-1394/1428 |                 |                    |                 |
| HEADER NUMBER:      |                 | 42312-0036         |                 |
| PIN NUMBER:         |                 | 42663-CJA154       |                 |
| PIN LENGTH: L       |                 | .700 / 17.78       |                 |
| MATING LENGTH: M    |                 | .394/10.01         |                 |
| GOLD POINT: G       |                 | N/A                |                 |
| PIN HEIGHT: Y       |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P   |                 | .135 / 3.43        |                 |
| TIN: T              |                 | OVERALL            |                 |
| CKTS:               |                 | 2-36               |                 |
| KINKS:              |                 | NONE               |                 |
| REMOVED BACKWALLS:  |                 | NONE               |                 |
| VOIDED CKTS:        |                 | NONE               |                 |
| PACKAGING:          |                 | BULK PK-40873-0041 |                 |
| CKTS                | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                  | 42377-1394      | 20                 |                 |
| 03                  |                 | 21                 |                 |
| 04                  |                 | 22                 |                 |
| 05                  |                 | 23                 |                 |
| 06                  |                 | 24                 |                 |
| 07                  |                 | 25                 |                 |
| 08                  |                 | 26                 |                 |
| 09                  |                 | 27                 |                 |
| 10                  |                 | 28                 |                 |
| 11                  |                 | 29                 |                 |
| 12                  |                 | 30                 |                 |
| 13                  |                 | 31                 |                 |
| 14                  |                 | 32                 |                 |
| 15                  |                 | 33                 |                 |
| 16                  |                 | 34                 |                 |
| 17                  |                 | 35                 |                 |
| 18                  |                 | 36                 |                 |
| 19                  |                 |                    |                 |

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|--------------------|-----------------|--------------------|-----------------|
| ✓ A-42377-1429     |                 |                    |                 |
| HEADER NUMBER:     |                 | 42312-0036         |                 |
| PIN NUMBER:        |                 | 42663-ECA154       |                 |
| PIN LENGTH: L      |                 | .880 / 22.35       |                 |
| MATING LENGTH: M   |                 | .600/15.24         |                 |
| GOLD POINT: G      |                 | N/A                |                 |
| PIN HEIGHT: Y      |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P  |                 | .116 / 2.95        |                 |
| TIN: T             |                 | OVERALL            |                 |
| CKTS:              |                 | 5-36               |                 |
| KINKS:             |                 | NONE               |                 |
| REMOVED BACKWALLS: |                 | NONE               |                 |
| VOIDED CKTS:       |                 | 2,3,4              |                 |
| PACKAGING:         |                 | BULK PK-40873-0041 |                 |
| CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
|                    |                 | 20                 |                 |
|                    |                 | 21                 |                 |
|                    |                 | 22                 |                 |
| 05                 | 42377-1429      | 23                 |                 |
| 06                 |                 | 24                 |                 |
| 07                 |                 | 25                 |                 |
| 08                 |                 | 26                 |                 |
| 09                 |                 | 27                 |                 |
| 10                 |                 | 28                 |                 |
| 11                 |                 | 29                 |                 |
| 12                 |                 | 30                 |                 |
| 13                 |                 | 31                 |                 |
| 14                 |                 | 32                 |                 |
| 15                 |                 | 33                 |                 |
| 16                 |                 | 34                 |                 |
| 17                 |                 | 35                 |                 |
| 18                 |                 | 36                 |                 |
| 19                 |                 |                    |                 |

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|-------------------------|-----------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u> | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X4</b>               | EC No: <b>UCP2015-1410</b>  | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 18 -</b>      |
|                         | DATE: <b>11/14/2014</b>     |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                             | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                             | <b>MKIPPER</b>                                                   | <b>NNGUYEN</b>     |
|                         |                             | <u>APPROVED BY:</u>                                              |                    |
|                         |                             | <b>FSMITH</b>                                                    |                    |

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