

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0022288084**
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle Surface Mount Compatible, 8 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Mating Pin Length 6.20mm (.244")

Documents:

[3D Model](#) [Product Specification PS-10-07 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

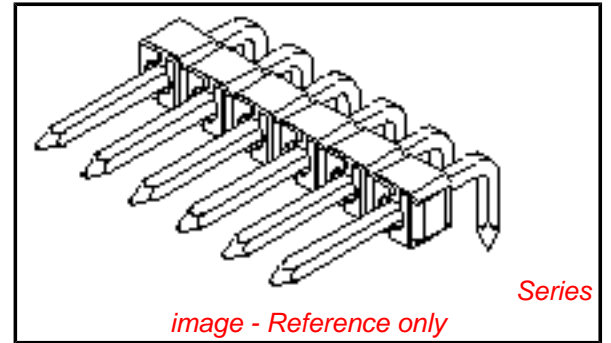
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42377](#)
 Application Board-to-Board, Wire-to-Board
 Product Name KK®

Physical

Breakaway Yes
 Circuits (Loaded) 8
 Circuits (maximum) 8
 Color - Resin Black
 Durability (mating cycles max) 100
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length (in) 0.120 In
 PC Tail Length (mm) 3.05 mm
 PCB Locator No
 PCB Retention None
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Bag
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Plating min: Mating (µin) 30
 Plating min: Mating (µm) 0.75
 Plating min: Termination (µin) 100
 Plating min: Termination (µm) 2.5
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Partial
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating 0°C to +75°C
 Termination Interface: Style Through Hole



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

China RoHS



Search Parts in this Series

[42377Series](#)

Mates With

[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#) , [70430](#) , [7859](#) , L ink:[90148](#), [90147](#) , [70400a](#) , [70066a](#) , [40556](#)

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 4A |
| Voltage - Maximum | 250V |

Solder Process Data

| | |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 235 |

Material Info

| | |
|-----------------|------------|
| Old Part Number | 42377-0288 |
|-----------------|------------|

Reference - Drawing Numbers

| | |
|-----------------------|--------------|
| Product Specification | PS-10-07 |
| Sales Drawing | SD-42377-001 |

This document was generated on 03/22/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

| 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 |



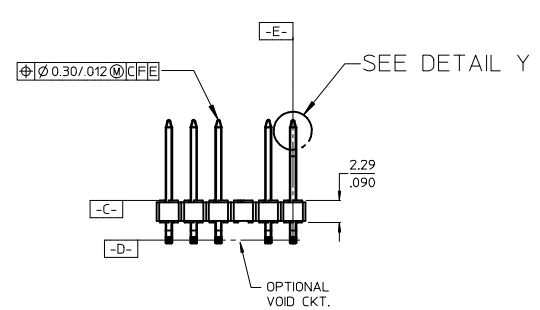
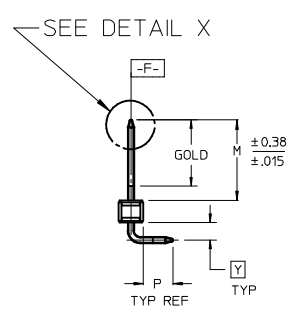
DETAIL X
SCALE 5:1
SEE NOTE 10



DETAIL Y
SCALE 5:1
SEE NOTE 10

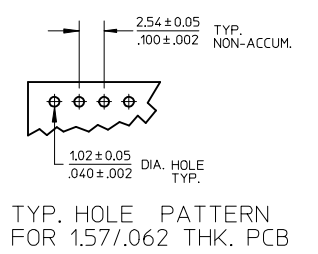


DETAIL Z
SCALE 5:1



- NOTES:
- MATERIAL: GLASS FILLED NYLON
UL94V-0, COLOR: BLACK
 - FINISH:
(154)* OVERALL TIN: 0.00254/.000100 MIN. OVER
NICKEL: 0.00127/.000050 MIN.
(208) SELECT GOLD: 0.00038/.000015 MIN.
* SELECT TIN: 0.00254/.000100 MIN.
WITH OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
(228) SELECT GOLD: 0.00076/.000030 MIN.
* SELECT TIN: 0.00254/.000100 MIN.
WITH OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
*THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV
ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATINGS.
 - PRODUCT SPECIFICATION: PS 10-07.
 - PACKAGING INFORMATION: SEE TABLES
 - SOLDERABILITY PER SMES-152.
 - PIN PUSH OUT FORCE: 3 LBS. MIN
 - 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.

| | |
|-------|-----|
| 2-* | X1 |
| 1 | X1 |
| SHEET | REV |



| ADD PN 42377-1429 EC NO: UCP2009-0952 DRWN: HK/PPER 2008/10/07 CHKD: JBELL 2008/10/30 APPR: F5M/TH 2008/10/31 X1 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.38</td> <td>± ---</td> </tr> </table> | | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± .010 | 2 PLACES | ± 0.25 | ± .015 | 1 PLACE | ± 0.38 | ± --- | DIMENSION STYLE MM/IN | SCALE 2:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION |
|---|---|--|---|-------------------------|------------------|----------------------------------|-------|-------|----------|-------|--------|----------|--------|--------|---------|--------|-------|---------------------------------|---------------------|-----------------------------|------------------------|
| | | mm | INCH | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ± --- | ± .010 | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.25 | ± .015 | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ± 0.38 | ± --- | | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY JSCHAFFER | DATE 11/24/03 | TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | APPROVED BY MARGULIS | DATE 11/24/03 | MATERIAL NO. SEE CHART | | | | | | | | | | | | | | | |
| SIZE B | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | |
| DOCUMENT NO. SD-42377-001 | SHEET NO. 1 OF * | | | | | | | | | | | | | | | | | | | | |



| | | | | | |
|-----------------------|--------------------|--|--|--|--|
| ✓ A-42377-0002 / 0036 | | | | | |
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-AZA154 | | | | |
| PIN LENGTH: L | .550/13.97 | | | | |
| MATING LENGTH: M | .244/6.20 | | | | |
| GOLD POINT: G | N/A | | | | |
| PIN HEIGHT: Y | .070/1.78 | | | | |
| PC TAIL LENGTH: P | .120/3.05 | | | | |
| TIN: T | OVERALL | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |

| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
|------|-----------------|------------|------|-----------------|------------|
| 02 | 22-28-8020 | 42377-0002 | 20 | 22-28-8200 | 42377-0020 |
| 03 | 22-28-8030 | 42377-0003 | 21 | 22-28-8210 | 42377-0021 |
| 04 | 22-28-8040 | 42377-0004 | 22 | 22-28-8220 | 42377-0022 |
| 05 | 22-28-8050 | 42377-0005 | 23 | 22-28-8230 | 42377-0023 |
| 06 | 22-28-8060 | 42377-0006 | 24 | 22-28-8240 | 42377-0024 |
| 07 | 22-28-8070 | 42377-0007 | 25 | 22-28-8250 | 42377-0025 |
| 08 | 22-28-8080 | 42377-0008 | 26 | 22-28-8260 | 42377-0026 |
| 09 | 22-28-8090 | 42377-0009 | 27 | 22-28-8270 | 42377-0027 |
| 10 | 22-28-8100 | 42377-0010 | 28 | 22-28-8280 | 42377-0028 |
| 11 | 22-28-8110 | 42377-0011 | 29 | 22-28-8290 | 42377-0029 |
| 12 | 22-28-8120 | 42377-0012 | 30 | 22-28-8300 | 42377-0030 |
| 13 | 22-28-8130 | 42377-0013 | 31 | 22-28-8310 | 42377-0031 |
| 14 | 22-28-8140 | 42377-0014 | 32 | 22-28-8320 | 42377-0032 |
| 15 | 22-28-8150 | 42377-0015 | 33 | 22-28-8330 | 42377-0033 |
| 16 | 22-28-8160 | 42377-0016 | 34 | 22-28-8340 | 42377-0034 |
| 17 | 22-28-8170 | 42377-0017 | 35 | 22-28-8350 | 42377-0035 |
| 18 | 22-28-8180 | 42377-0018 | 36 | 22-28-8360 | 42377-0036 |
| 19 | 22-28-8190 | 42377-0019 | | | |

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|-----------------------|--------------------|--|--|--|--|
| ✓ A-42377-0037 / 0071 | | | | | |
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-BSA154 | | | | |
| PIN LENGTH: L | .630/16.00 | | | | |
| MATING LENGTH: M | .324/8.23 | | | | |
| GOLD POINT: G | N/A | | | | |
| PIN HEIGHT: Y | .070/1.78 | | | | |
| PC TAIL LENGTH: P | .120/3.05 | | | | |
| TIN: T | OVERALL | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |

| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
|------|-----------------|------------|------|-----------------|------------|
| 02 | 22-28-8021 | 42377-0037 | 20 | 22-28-8201 | 42377-0055 |
| 03 | 22-28-8031 | 42377-0038 | 21 | 22-28-8211 | 42377-0056 |
| 04 | 22-28-8041 | 42377-0039 | 22 | 22-28-8221 | 42377-0057 |
| 05 | 22-28-8051 | 42377-0040 | 23 | 22-28-8231 | 42377-0058 |
| 06 | 22-28-8061 | 42377-0041 | 24 | 22-28-8241 | 42377-0059 |
| 07 | 22-28-8071 | 42377-0042 | 25 | 22-28-8251 | 42377-0060 |
| 08 | 22-28-8081 | 42377-0043 | 26 | 22-28-8261 | 42377-0061 |
| 09 | 22-28-8091 | 42377-0044 | 27 | 22-28-8271 | 42377-0062 |
| 10 | 22-28-8101 | 42377-0045 | 28 | 22-28-8281 | 42377-0063 |
| 11 | 22-28-8111 | 42377-0046 | 29 | 22-28-8291 | 42377-0064 |
| 12 | 22-28-8121 | 42377-0047 | 30 | 22-28-8301 | 42377-0065 |
| 13 | 22-28-8131 | 42377-0048 | 31 | 22-28-8311 | 42377-0066 |
| 14 | 22-28-8141 | 42377-0049 | 32 | 22-28-8321 | 42377-0067 |
| 15 | 22-28-8151 | 42377-0050 | 33 | 22-28-8331 | 42377-0068 |
| 16 | 22-28-8161 | 42377-0051 | 34 | 22-28-8341 | 42377-0069 |
| 17 | 22-28-8171 | 42377-0052 | 35 | 22-28-8351 | 42377-0070 |
| 18 | 22-28-8181 | 42377-0053 | 36 | 22-28-8361 | 42377-0071 |
| 19 | 22-28-8191 | 42377-0054 | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 2 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |



| ✓ A-42377-0072 / 0106 | | | | | |
|-----------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-AZB208 | | | | |
| PIN LENGTH: L | .550/13.97 | | | | |
| MATING LENGTH: M | .244/6.20 | | | | |
| GOLD POINT: G | .140/3.56 | | | | |
| PIN HEIGHT: Y | .070/1.78 | | | | |
| PC TAIL LENGTH: P | .120/13.05 | | | | |
| TIN: T | .135/3.43 | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-8022 | 42377-0072 | 20 | 22-28-8202 | 42377-0090 |
| 03 | 22-28-8032 | 42377-0073 | 21 | 22-28-8212 | 42377-0091 |
| 04 | 22-28-8042 | 42377-0074 | 22 | 22-28-8222 | 42377-0092 |
| 05 | 22-28-8052 | 42377-0075 | 23 | 22-28-8232 | 42377-0093 |
| 06 | 22-28-8062 | 42377-0076 | 24 | 22-28-8242 | 42377-0094 |
| 07 | 22-28-8072 | 42377-0077 | 25 | 22-28-8252 | 42377-0095 |
| 08 | 22-28-8082 | 42377-0078 | 26 | 22-28-8262 | 42377-0096 |
| 09 | 22-28-8092 | 42377-0079 | 27 | 22-28-8272 | 42377-0097 |
| 10 | 22-28-8102 | 42377-0080 | 28 | 22-28-8282 | 42377-0098 |
| 11 | 22-28-8112 | 42377-0081 | 29 | 22-28-8292 | 42377-0099 |
| 12 | 22-28-8122 | 42377-0082 | 30 | 22-28-8302 | 42377-0100 |
| 13 | 22-28-8132 | 42377-0083 | 31 | 22-28-8312 | 42377-0101 |
| 14 | 22-28-8142 | 42377-0084 | 32 | 22-28-8322 | 42377-0102 |
| 15 | 22-28-8152 | 42377-0085 | 33 | 22-28-8332 | 42377-0103 |
| 16 | 22-28-8162 | 42377-0086 | 34 | 22-28-8342 | 42377-0104 |
| 17 | 22-28-8172 | 42377-0087 | 35 | 22-28-8352 | 42377-0105 |
| 18 | 22-28-8182 | 42377-0088 | 36 | 22-28-8362 | 42377-0106 |
| 19 | 22-28-8192 | 42377-0089 | | | |

| ✓ A-42377-0107 / 0141 | | | | | |
|-----------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-BSB208 | | | | |
| 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 | .120/13.05 | | | | |
| TIN: T | .135/3.43 | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-8023 | 42377-0107 | 20 | 22-28-8203 | 42377-0125 |
| 03 | 22-28-8033 | 42377-0108 | 21 | 22-28-8213 | 42377-0126 |
| 04 | 22-28-8043 | 42377-0109 | 22 | 22-28-8223 | 42377-0127 |
| 05 | 22-28-8053 | 42377-0110 | 23 | 22-28-8233 | 42377-0128 |
| 06 | 22-28-8063 | 42377-0111 | 24 | 22-28-8243 | 42377-0129 |
| 07 | 22-28-8073 | 42377-0112 | 25 | 22-28-8253 | 42377-0130 |
| 08 | 22-28-8083 | 42377-0113 | 26 | 22-28-8263 | 42377-0131 |
| 09 | 22-28-8093 | 42377-0114 | 27 | 22-28-8273 | 42377-0132 |
| 10 | 22-28-8103 | 42377-0115 | 28 | 22-28-8283 | 42377-0133 |
| 11 | 22-28-8113 | 42377-0116 | 29 | 22-28-8293 | 42377-0134 |
| 12 | 22-28-8123 | 42377-0117 | 30 | 22-28-8303 | 42377-0135 |
| 13 | 22-28-8133 | 42377-0118 | 31 | 22-28-8313 | 42377-0136 |
| 14 | 22-28-8143 | 42377-0119 | 32 | 22-28-8323 | 42377-0137 |
| 15 | 22-28-8153 | 42377-0120 | 33 | 22-28-8333 | 42377-0138 |
| 16 | 22-28-8163 | 42377-0121 | 34 | 22-28-8343 | 42377-0139 |
| 17 | 22-28-8173 | 42377-0122 | 35 | 22-28-8353 | 42377-0140 |
| 18 | 22-28-8183 | 42377-0123 | 36 | 22-28-8363 | 42377-0141 |
| 19 | 22-28-8193 | 42377-0124 | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 3 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |



| | | | | | |
|-----------------------|--------------------|--|--|--|--|
| ✓ A-42377-0142 / 0176 | | | | | |
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-BCA154 | | | | |
| PIN LENGTH: L | .565/14.35 | | | | |
| MATING LENGTH: M | .244/6.20 | | | | |
| 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: | 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 | 22-28-9020 | 42377-0142 | 20 | 22-28-9200 | 42377-0160 |
| 03 | 22-28-9030 | 42377-0143 | 21 | 22-28-9210 | 42377-0161 |
| 04 | 22-28-9040 | 42377-0144 | 22 | 22-28-9220 | 42377-0162 |
| 05 | 22-28-9050 | 42377-0145 | 23 | 22-28-9230 | 42377-0163 |
| 06 | 22-28-9060 | 42377-0146 | 24 | 22-28-9240 | 42377-0164 |
| 07 | 22-28-9070 | 42377-0147 | 25 | 22-28-9250 | 42377-0165 |
| 08 | 22-28-9080 | 42377-0148 | 26 | 22-28-9260 | 42377-0166 |
| 09 | 22-28-9090 | 42377-0149 | 27 | 22-28-9270 | 42377-0167 |
| 10 | 22-28-9100 | 42377-0150 | 28 | 22-28-9280 | 42377-0168 |
| 11 | 22-28-9110 | 42377-0151 | 29 | 22-28-9290 | 42377-0169 |
| 12 | 22-28-9120 | 42377-0152 | 30 | 22-28-9300 | 42377-0170 |
| 13 | 22-28-9130 | 42377-0153 | 31 | 22-28-9310 | 42377-0171 |
| 14 | 22-28-9140 | 42377-0154 | 32 | 22-28-9320 | 42377-0172 |
| 15 | 22-28-9150 | 42377-0155 | 33 | 22-28-9330 | 42377-0173 |
| 16 | 22-28-9160 | 42377-0156 | 34 | 22-28-9340 | 42377-0174 |
| 17 | 22-28-9170 | 42377-0157 | 35 | 22-28-9350 | 42377-0175 |
| 18 | 22-28-9180 | 42377-0158 | 36 | 22-28-9360 | 42377-0176 |
| 19 | 22-28-9190 | 42377-0159 | | | |

| | | | | | |
|-----------------------|--------------------|--|--|--|--|
| ✓ A-42377-0177 / 0211 | | | | | |
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-BXA154 | | | | |
| PIN LENGTH: L | .645/16.38 | | | | |
| MATING LENGTH: M | .324/8.23 | | | | |
| 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: | 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 | 22-28-9021 | 42377-0177 | 20 | 22-28-9201 | 42377-0195 |
| 03 | 22-28-9031 | 42377-0178 | 21 | 22-28-9211 | 42377-0196 |
| 04 | 22-28-9041 | 42377-0179 | 22 | 22-28-9221 | 42377-0197 |
| 05 | 22-28-9051 | 42377-0180 | 23 | 22-28-9231 | 42377-0198 |
| 06 | 22-28-9061 | 42377-0181 | 24 | 22-28-9241 | 42377-0199 |
| 07 | 22-28-9071 | 42377-0182 | 25 | 22-28-9251 | 42377-0200 |
| 08 | 22-28-9081 | 42377-0183 | 26 | 22-28-9261 | 42377-0201 |
| 09 | 22-28-9091 | 42377-0184 | 27 | 22-28-9271 | 42377-0202 |
| 10 | 22-28-9101 | 42377-0185 | 28 | 22-28-9281 | 42377-0203 |
| 11 | 22-28-9111 | 42377-0186 | 29 | 22-28-9291 | 42377-0204 |
| 12 | 22-28-9121 | 42377-0187 | 30 | 22-28-9301 | 42377-0205 |
| 13 | 22-28-9131 | 42377-0188 | 31 | 22-28-9311 | 42377-0206 |
| 14 | 22-28-9141 | 42377-0189 | 32 | 22-28-9321 | 42377-0207 |
| 15 | 22-28-9151 | 42377-0190 | 33 | 22-28-9331 | 42377-0208 |
| 16 | 22-28-9161 | 42377-0191 | 34 | 22-28-9341 | 42377-0209 |
| 17 | 22-28-9171 | 42377-0192 | 35 | 22-28-9351 | 42377-0210 |
| 18 | 22-28-9181 | 42377-0193 | 36 | 22-28-9361 | 42377-0211 |
| 19 | 22-28-9191 | 42377-0194 | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 4 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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 | | | |

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|--|---|--|-----------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 5 - |
| DOCUMENT NUMBER: SD- 42377-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |

| ✓ A-42377-0282 / 0316 | | | | | |
|-----------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-AZB228 | | | | |
| PIN LENGTH: L | .550/13.97 | | | | |
| MATING LENGTH: M | .244/6.20 | | | | |
| GOLD POINT: G | .140/3.56 | | | | |
| PIN HEIGHT: Y | .070/1.78 | | | | |
| PC TAIL LENGTH: P | .120/3.05 | | | | |
| TIN: T | .135/3.43 | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-8024 | 42377-0282 | 20 | 22-28-8204 | 42377-0300 |
| 03 | 22-28-8034 | 42377-0283 | 21 | 22-28-8214 | 42377-0301 |
| 04 | 22-28-8044 | 42377-0284 | 22 | 22-28-8224 | 42377-0302 |
| 05 | 22-28-8054 | 42377-0285 | 23 | 22-28-8234 | 42377-0303 |
| 06 | 22-28-8064 | 42377-0286 | 24 | 22-28-8244 | 42377-0304 |
| 07 | 22-28-8074 | 42377-0287 | 25 | 22-28-8254 | 42377-0305 |
| 08 | 22-28-8084 | 42377-0288 | 26 | 22-28-8264 | 42377-0306 |
| 09 | 22-28-8094 | 42377-0289 | 27 | 22-28-8274 | 42377-0307 |
| 10 | 22-28-8104 | 42377-0290 | 28 | 22-28-8284 | 42377-0308 |
| 11 | 22-28-8114 | 42377-0291 | 29 | 22-28-8294 | 42377-0309 |
| 12 | 22-28-8124 | 42377-0292 | 30 | 22-28-8304 | 42377-0310 |
| 13 | 22-28-8134 | 42377-0293 | 31 | 22-28-8314 | 42377-0311 |
| 14 | 22-28-8144 | 42377-0294 | 32 | 22-28-8324 | 42377-0312 |
| 15 | 22-28-8154 | 42377-0295 | 33 | 22-28-8334 | 42377-0313 |
| 16 | 22-28-8164 | 42377-0296 | 34 | 22-28-8344 | 42377-0314 |
| 17 | 22-28-8174 | 42377-0297 | 35 | 22-28-8354 | 42377-0315 |
| 18 | 22-28-8184 | 42377-0298 | 36 | 22-28-8364 | 42377-0316 |
| 19 | 22-28-8194 | 42377-0299 | | | |

| ✓ A-42377-0317 / 0351 | | | | | |
|-----------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-BSB228 | | | | |
| 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 | .120/3.05 | | | | |
| TIN: T | .135/3.43 | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-8025 | 42377-0317 | 20 | 22-28-8205 | 42377-0335 |
| 03 | 22-28-8035 | 42377-0318 | 21 | 22-28-8215 | 42377-0336 |
| 04 | 22-28-8045 | 42377-0319 | 22 | 22-28-8225 | 42377-0337 |
| 05 | 22-28-8055 | 42377-0320 | 23 | 22-28-8235 | 42377-0338 |
| 06 | 22-28-8065 | 42377-0321 | 24 | 22-28-8245 | 42377-0339 |
| 07 | 22-28-8075 | 42377-0322 | 25 | 22-28-8255 | 42377-0340 |
| 08 | 22-28-8085 | 42377-0323 | 26 | 22-28-8265 | 42377-0341 |
| 09 | 22-28-8095 | 42377-0324 | 27 | 22-28-8275 | 42377-0342 |
| 10 | 22-28-8105 | 42377-0325 | 28 | 22-28-8285 | 42377-0343 |
| 11 | 22-28-8115 | 42377-0326 | 29 | 22-28-8295 | 42377-0344 |
| 12 | 22-28-8125 | 42377-0327 | 30 | 22-28-8305 | 42377-0345 |
| 13 | 22-28-8135 | 42377-0328 | 31 | 22-28-8315 | 42377-0346 |
| 14 | 22-28-8145 | 42377-0329 | 32 | 22-28-8325 | 42377-0347 |
| 15 | 22-28-8155 | 42377-0330 | 33 | 22-28-8335 | 42377-0348 |
| 16 | 22-28-8165 | 42377-0331 | 34 | 22-28-8345 | 42377-0349 |
| 17 | 22-28-8175 | 42377-0332 | 35 | 22-28-8355 | 42377-0350 |
| 18 | 22-28-8185 | 42377-0333 | 36 | 22-28-8365 | 42377-0351 |
| 19 | 22-28-8195 | 42377-0334 | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 6 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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 | | | |

| ✓ 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 | | | |

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| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 7 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

✓ A-42377-0504

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|--------------------|--------------------|--------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0036 | | | | |
| PIN NUMBER: | 42663-ABA154 | | | | |
| PIN LENGTH: L | .455/11.56 | | | | |
| MATING LENGTH: M | .149/3.78 | | | | |
| GOLD POINT: G | N/A | | | | |
| PIN HEIGHT: Y | .070/1.78 | | | | |
| PC TAIL LENGTH: P | .120/3.05 | | | | |
| TIN: T | OVERALL | | | | |
| CKTS: | 2-36 | | | | |
| KINKS: | NONE | | | | |
| REMOVED BACKWALLS: | NONE | | | | |
| VOIDED CKTS: | NONE | | | | |
| PACKAGING: | BULK PK-40873-0041 | | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | | | 20 | | |
| 03 | | | 21 | | |
| 04 | | | 22 | | |
| 05 | | | 23 | | |
| 06 | | | 24 | | |
| 07 | | | 25 | | |
| 08 | | | 26 | | |
| 09 | | | 27 | | |
| 10 | | | 28 | | |
| 11 | | | 29 | | |
| 12 | | | 30 | | |
| 13 | | | 31 | | |
| 14 | 22-28-9148 | A-42377-0504 | 32 | | |
| 15 | | | 33 | | |
| 16 | | | 34 | | |
| 17 | | | 35 | | |
| 18 | | | 36 | | |
| 19 | | | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 8 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

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| ✓ A-42377-0693 / 0726 | | | |
|-----------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER: | | 42312-0036 | |
| PIN NUMBER: | | 42663-BCA154 | |
| PIN LENGTH: L | | .565/14.35 | |
| MATING LENGTH: M | | .244/6.20 | |
| GOLD POINT: G | | N/A | |
| PIN HEIGHT: Y | | .070/1.78 | |
| PC TAIL LENGTH: P | | .135/3.43 | |
| TIN: T | | OVERALL | |
| CKTS: | | 3-36 | |
| KINKS: | | PER SMES-42003 | |
| REMOVED BACKWALLS: | | NO | |
| VOIDED CKTS: | | 2 | |
| PACKAGING: | | BULK PK-40873-0041 | |
| CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER |
| 02 | | 20 | 42377-0710 |
| 03 | 42377-0693 | 21 | 42377-0711 |
| 04 | 42377-0694 | 22 | 42377-0712 |
| 05 | 42377-0695 | 23 | 42377-0713 |
| 06 | 42377-0696 | 24 | 42377-0714 |
| 07 | 42377-0697 | 25 | 42377-0715 |
| 08 | 42377-0698 | 26 | 42377-0716 |
| 09 | 42377-0699 | 27 | 42377-0717 |
| 10 | 42377-0700 | 28 | 42377-0718 |
| 11 | 42377-0701 | 29 | 42377-0719 |
| 12 | 42377-0702 | 30 | 42377-0720 |
| 13 | 42377-0703 | 31 | 42377-0721 |
| 14 | 42377-0704 | 32 | 42377-0727 |
| 15 | 42377-0705 | 33 | 42377-0723 |
| 16 | 42377-0706 | 34 | 42377-0724 |
| 17 | 42377-0707 | 35 | 42377-0725 |
| 18 | 42377-0708 | 36 | 42377-0726 |
| 19 | 42377-0709 | | |

| ✓ A-42377-0779 / 0813 | | | |
|-----------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER: | | 42312-0036 | |
| PIN NUMBER: | | 42663-ANA154 | |
| PIN LENGTH: L | | .510/12.95 | |
| MATING LENGTH: M | | .134/3.40 | |
| GOLD POINT: G | | N/A | |
| PIN HEIGHT: Y | | .060/1.52 | |
| PC TAIL LENGTH: P | | .200/5.08 | |
| 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 | 42377-0779 | 20 | 42377-0797 |
| 03 | 42377-0780 | 21 | 42377-0798 |
| 04 | 42377-0781 | 22 | 42377-0799 |
| 05 | 42377-0782 | 23 | 42377-0800 |
| 06 | 42377-0783 | 24 | 42377-0801 |
| 07 | 42377-0784 | 25 | 42377-0802 |
| 08 | 42377-0785 | 26 | 42377-0803 |
| 09 | 42377-0786 | 27 | 42377-0804 |
| 10 | 42377-0787 | 28 | 42377-0805 |
| 11 | 42377-0788 | 29 | 42377-0806 |
| 12 | 42377-0789 | 30 | 42377-0807 |
| 13 | 42377-0790 | 31 | 42377-0808 |
| 14 | 42377-0791 | 32 | 42377-0809 |
| 15 | 42377-0792 | 33 | 42377-0810 |
| 16 | 42377-0793 | 34 | 42377-0811 |
| 17 | 42377-0794 | 35 | 42377-0812 |
| 18 | 42377-0795 | 36 | 42377-0813 |
| 19 | 42377-0796 | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 9 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |



| ✓ 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 |
| 02 | 42377-0864 | 20 | 42377-0882 |
| 03 | 42377-0865 | 21 | 42377-0883 |
| 04 | 42377-0866 | 22 | 42377-0884 |
| 05 | 42377-0867 | 23 | 42377-0885 |
| 06 | 42377-0868 | 24 | 42377-0886 |
| 07 | 42377-0869 | 25 | 42377-0887 |
| 08 | 42377-0870 | 26 | 42377-0888 |
| 09 | 42377-0871 | 27 | 42377-0889 |
| 10 | 42377-0872 | 28 | 42377-0890 |
| 11 | 42377-0873 | 29 | 42377-0891 |
| 12 | 42377-0874 | 30 | 42377-0892 |
| 13 | 42377-0875 | 31 | 42377-0893 |
| 14 | 42377-0876 | 32 | 42377-0894 |
| 15 | 42377-0877 | 33 | 42377-0895 |
| 16 | 42377-0878 | 34 | 42377-0896 |
| 17 | 42377-0879 | 35 | 42377-0897 |
| 18 | 42377-0880 | 36 | 42377-0898 |
| 19 | 42377-0881 | | |

| ✓ 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 | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 10 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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 | | |

| ✓ A-42377-0963/ 0997 | | | |
|----------------------|--------------------|------|-----------------|
| 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: | 2-36 | | |
| KINKS: | NONE | | |
| REMOVED BACKWALLS: | NONE | | |
| VOIDED CKTS: | NONE | | |
| PACKAGING: | BULK PK-40873-0041 | | |
| CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER |
| 02 | 42377-0963 | 20 | 42377-0981 |
| 03 | 42377-0964 | 21 | 42377-0982 |
| 04 | 42377-0965 | 22 | 42377-0983 |
| 05 | 42377-0966 | 23 | 42377-0984 |
| 06 | 42377-0967 | 24 | 42377-0985 |
| 07 | 42377-0968 | 25 | 42377-0986 |
| 08 | 42377-0969 | 26 | 42377-0987 |
| 09 | 42377-0970 | 27 | 42377-0988 |
| 10 | 42377-0971 | 28 | 42377-0989 |
| 11 | 42377-0972 | 29 | 42377-0990 |
| 12 | 42377-0973 | 30 | 42377-0991 |
| 13 | 42377-0974 | 31 | 42377-0992 |
| 14 | 42377-0975 | 32 | 42377-0993 |
| 15 | 42377-0976 | 33 | 42377-0994 |
| 16 | 42377-0977 | 34 | 42377-0995 |
| 17 | 42377-0978 | 35 | 42377-0996 |
| 18 | 42377-0979 | 36 | 42377-0997 |
| 19 | 42377-0980 | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 11 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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 | | |

| ✓ A-42377-1032/ 1066 | | | |
|----------------------|--------------------|------|-----------------|
| HEADER NUMBER: | 42312-0036 | | |
| PIN NUMBER: | 42663-BYB208 | | |
| PIN LENGTH: L | .650/16.51 | | |
| MATING LENGTH: M | .394/10.01 | | |
| GOLD POINT: G | .200/5.08 | | |
| PIN HEIGHT: Y | .050/1.27 | | |
| PC TAIL LENGTH: P | .089/2.26 | | |
| TIN: T | .200/5.08 | | |
| CKTS: | 2-36 | | |
| KINKS: | NONE | | |
| REMOVED BACKWALLS: | NONE | | |
| VOIDED CKTS: | NONE | | |
| PACKAGING: | BULK PK-40873-0041 | | |
| CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER |
| 02 | 42377-1032 | 20 | 42377-1050 |
| 03 | 42377-1033 | 21 | 42377-1051 |
| 04 | 42377-1034 | 22 | 42377-1052 |
| 05 | 42377-1035 | 23 | 42377-1053 |
| 06 | 42377-1036 | 24 | 42377-1054 |
| 07 | 42377-1037 | 25 | 42377-1055 |
| 08 | 42377-1038 | 26 | 42377-1056 |
| 09 | 42377-1039 | 27 | 42377-1057 |
| 10 | 42377-1040 | 28 | 42377-1058 |
| 11 | 42377-1041 | 29 | 42377-1059 |
| 12 | 42377-1042 | 30 | 42377-1060 |
| 13 | 42377-1043 | 31 | 42377-1061 |
| 14 | 42377-1044 | 32 | 42377-1062 |
| 15 | 42377-1045 | 33 | 42377-1063 |
| 16 | 42377-1046 | 34 | 42377-1064 |
| 17 | 42377-1047 | 35 | 42377-1065 |
| 18 | 42377-1048 | 36 | 42377-1066 |
| 19 | 42377-1049 | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 12 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| 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: | <u>ECR/ECN INFORMATION:</u> | | <u>TITLE:</u> | | | | <u>SHEET No.</u> | |
| X1 | EC No: UCP2009-0952 | | KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | | | | - 13 - | |
| | DATE: 10/31/2008 | | | | | | | |
| <u>DOCUMENT NUMBER:</u> | | | <u>CREATED / REVISED BY:</u> | | <u>CHECKED BY:</u> | | <u>APPROVED BY:</u> | |
| SD- 42377-001 | | | MKIPPER | | JBELL | | FSMITH | |
| 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: X1 | | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | | | | SHEET No. - 14 - | |
| DOCUMENT NUMBER: SD- 42377-001 | | | | CREATED / REVISED BY: MKIPPER | | CHECKED BY: JBELL | | APPROVED BY: FSMITH | |



| 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 | | | |

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|--|---|--|-------------------------------|
| REV: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 15 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |



| A-42377-1270 / 1304 | | | |
|--------------------------|-----------------|--|-----------------|
| HEADER NUMBER: | | 42312-0036 | |
| PIN NUMBER: | | 42663-BHA154 | |
| PIN LENGTH: L | | .590 / 14.99 | |
| MATING LENGTH: M | | .343 / 8.71 | |
| GOLD POINT: G | | N/A | |
| PIN HEIGHT: Y | | .070 / 1.78 | |
| PC TAIL LENGTH: P | | .055 +/- .025 1.40 +/- 0.64 | |
| TIN: T | | OVERALL | |
| CKTS: | | 2-36 | |
| KINKS: | | NONE | |
| REMOVED BACKWALLS: | | NONE | |
| VOIDED CKTS: | | 2 | |
| PACKAGING: | | BULK PK-40873-0041 | |
| CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER |
| 02 | | 20 | |
| 03 | 42377-1271 | 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 | | | |

| ✓ A-42377-1305/1339 | | | |
|---------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER: | | 42312-0036 | |
| PIN NUMBER: | | 42663-BYA154 | |
| PIN LENGTH: L | | .650/16.51 | |
| MATING LENGTH: M | | .394/10.01 | |
| GOLD POINT: G | | N/A | |
| PIN HEIGHT: Y | | .050/1.27 | |
| PC TAIL LENGTH: P | | .089/2.26 | |
| 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 | 42377-1305 | 20 | |
| 03 | | 21 | |
| 04 | | 22 | |
| 05 | | 23 | |
| 06 | 42377-1309 | 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: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 16 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 17 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| ✓ 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 | | | |

| ✓ 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: X1 | ECR/ECN INFORMATION: EC No: UCP2009-0952 DATE: 10/31/2008 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 18 - |
| DOCUMENT NUMBER: SD- 42377-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |