

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022286061](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle, 6 Circuits, Tin (Sn) Plating, Mating Pin Length 10.29mm (.405")

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 [42376](#)
 Application Board-to-Board, Wire-to-Board
 Product Name KK®

Physical

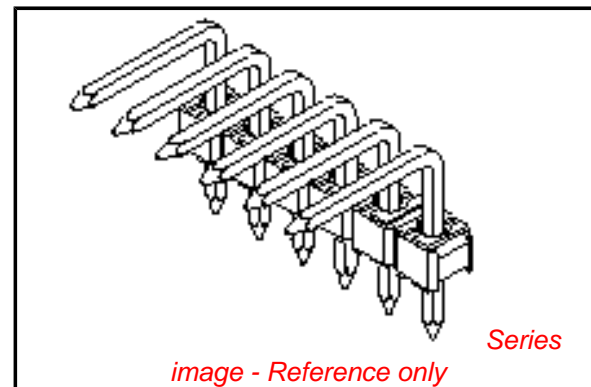
Breakaway Yes
 Circuits (Loaded) 6
 Circuits (maximum) 6
 Durability (mating cycles max) 25
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part Yes
 Material - Plating Mating Tin
 Number of Rows 1
 Orientation 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
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable No
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating 0°C to +75°C
 Termination Interface: Style Through Hole

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)



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS



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.

Search Parts in this Series

[42376Series](#)

Mates With

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

| | |
|---|-----|
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 235 |

Material Info

| | |
|-----------------|------------|
| Old Part Number | 42376-0111 |
|-----------------|------------|

Reference - Drawing Numbers

| | |
|-----------------------|--------------|
| Product Specification | PS-10-07 |
| Sales Drawing | SD-42376-001 |

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.
 - PARTS CONFORM 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.

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| 2-* | K13 |
| 1 | K13 |
| SHT | REV |



PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: 1.571.062

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|--|-------------------------------|---|---|--------------------------|------------------|--|----------------------|--|--|--|--|
| ADD PART NUMBERS EC NO: UCP2009-1603 DRW: MKIPPER 2009/04/17 CHKD: JBELL 2009/04/23 APPR: FSMITH 2009/04/23 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 1:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION | | | |
| | | 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- | mm INCH ± --- ± --- ± --- ± .010 ± 0.25 ± .015 ± 0.38 ± --- | DRAWN BY JSCHAFFER | DATE 11/24/03 | TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | | MOLEX INCORPORATED | | SHEET NO. 1 OF 10 | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPROVED BY MARGULIS | DATE 12/7/03 | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-42376-001 | | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |
| | | K13 | | ANGULAR ± 1/2° | | SIZE B | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX | | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

| A-42376-0002 / 0036 | | | | | | A-42376-0037 / 0071 | | | | | |
|---------------------|-----------------|--------------------|------|-----------------|------------|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | | HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-BKA154 | | | | PIN NUMBER: | | 42663-BKB208 | | | |
| PIN LENGTH: L | | .600/15.24 | | | | PIN LENGTH: L | | .600/15.24 | | | |
| MATING LENGTH: M | | .361/9.17 | | | | MATING LENGTH: M | | .361/9.17 | | | |
| GOLD POINT: G | | N/A | | | | GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .142/3.61 | | | | PIN HEIGHT: Y | | .142/3.61 | | | |
| PC TAIL LENGTH: P | | .120/3.05 | | | | PC TAIL LENGTH: P | | .120/3.05 | | | |
| 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: | | 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 | 22-28-6020 | 42376-0002 | 20 | 22-28-6200 | 42376-0020 | 02 | 22-28-6022 | 42376-0037 | 20 | 22-28-6202 | 42376-0055 |
| 03 | 22-28-6030 | 42376-0003 | 21 | 22-28-6210 | 42376-0021 | 03 | 22-28-6032 | 42376-0038 | 21 | 22-28-6212 | 42376-0056 |
| 04 | 22-28-6040 | 42376-0004 | 22 | 22-28-6220 | 42376-0022 | 04 | 22-28-6042 | 42376-0039 | 22 | 22-28-6222 | 42376-0057 |
| 05 | 22-28-6050 | 42376-0005 | 23 | 22-28-6230 | 42376-0023 | 05 | 22-28-6052 | 42376-0040 | 23 | 22-28-6232 | 42376-0058 |
| 06 | 22-28-6060 | 42376-0006 | 24 | 22-28-6240 | 42376-0024 | 06 | 22-28-6062 | 42376-0041 | 24 | 22-28-6242 | 42376-0059 |
| 07 | 22-28-6070 | 42376-0007 | 25 | 22-28-6250 | 42376-0025 | 07 | 22-28-6072 | 42376-0042 | 25 | 22-28-6252 | 42376-0060 |
| 08 | 22-28-6080 | 42376-0008 | 26 | 22-28-6260 | 42376-0026 | 08 | 22-28-6082 | 42376-0043 | 26 | 22-28-6262 | 42376-0061 |
| 09 | 22-28-6090 | 42376-0009 | 27 | 22-28-6270 | 42376-0027 | 09 | 22-28-6092 | 42376-0044 | 27 | 22-28-6272 | 42376-0062 |
| 10 | 22-28-6100 | 42376-0010 | 28 | 22-28-6280 | 42376-0028 | 10 | 22-28-6102 | 42376-0045 | 28 | 22-28-6282 | 42376-0063 |
| 11 | 22-28-6110 | 42376-0011 | 29 | 22-28-6290 | 42376-0029 | 11 | 22-28-6112 | 42376-0046 | 29 | 22-28-6292 | 42376-0064 |
| 12 | 22-28-6120 | 42376-0012 | 30 | 22-28-6300 | 42376-0030 | 12 | 22-28-6122 | 42376-0047 | 30 | 22-28-6302 | 42376-0065 |
| 13 | 22-28-6130 | 42376-0013 | 31 | 22-28-6310 | 42376-0031 | 13 | 22-28-6132 | 42376-0048 | 31 | 22-28-6312 | 42376-0066 |
| 14 | 22-28-6140 | 42376-0014 | 32 | 22-28-6320 | 42376-0032 | 14 | 22-28-6142 | 42376-0049 | 32 | 22-28-6322 | 42376-0067 |
| 15 | 22-28-6150 | 42376-0015 | 33 | 22-28-6330 | 42376-0033 | 15 | 22-28-6152 | 42376-0050 | 33 | 22-28-6332 | 42376-0068 |
| 16 | 22-28-6160 | 42376-0016 | 34 | 22-28-6340 | 42376-0034 | 16 | 22-28-6162 | 42376-0051 | 34 | 22-28-6342 | 42376-0069 |
| 17 | 22-28-6170 | 42376-0017 | 35 | 22-28-6350 | 42376-0035 | 17 | 22-28-6172 | 42376-0052 | 35 | 22-28-6352 | 42376-0070 |
| 18 | 22-28-6180 | 42376-0018 | 36 | 22-28-6360 | 42376-0036 | 18 | 22-28-6182 | 42376-0053 | 36 | 22-28-6362 | 42376-0071 |
| 19 | 22-28-6190 | 42376-0019 | | | | 19 | 22-28-6192 | 42376-0054 | | | |

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| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 2 - |
| DOCUMENT NUMBER: SD- 42376-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |

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| A-42376-0072 / 0106 | | | | | |
|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-BKB228 | | | |
| PIN LENGTH: L | | .600/15.24 | | | |
| MATING LENGTH: M | | .361/9.17 | | | |
| GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .142/3.61 | | | |
| 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 | 22-28-6024 | 42376-0072 | 20 | 22-28-6204 | 42376-0090 |
| 03 | 22-28-6034 | 42376-0073 | 21 | 22-28-6214 | 42376-0091 |
| 04 | 22-28-6044 | 42376-0074 | 22 | 22-28-6224 | 42376-0092 |
| 05 | 22-28-6054 | 42376-0075 | 23 | 22-28-6234 | 42376-0093 |
| 06 | 22-28-6064 | 42376-0076 | 24 | 22-28-6244 | 42376-0094 |
| 07 | 22-28-6074 | 42376-0077 | 25 | 22-28-6254 | 42376-0095 |
| 08 | 22-28-6084 | 42376-0078 | 26 | 22-28-6264 | 42376-0096 |
| 09 | 22-28-6094 | 42376-0079 | 27 | 22-28-6274 | 42376-0097 |
| 10 | 22-28-6104 | 42376-0080 | 28 | 22-28-6284 | 42376-0098 |
| 11 | 22-28-6114 | 42376-0081 | 29 | 22-28-6294 | 42376-0099 |
| 12 | 22-28-6124 | 42376-0082 | 30 | 22-28-6304 | 42376-0100 |
| 13 | 22-28-6134 | 42376-0083 | 31 | 22-28-6314 | 42376-0101 |
| 14 | 22-28-6144 | 42376-0084 | 32 | 22-28-6324 | 42376-0102 |
| 15 | 22-28-6154 | 42376-0085 | 33 | 22-28-6334 | 42376-0103 |
| 16 | 22-28-6164 | 42376-0086 | 34 | 22-28-6344 | 42376-0104 |
| 17 | 22-28-6174 | 42376-0087 | 35 | 22-28-6354 | 42376-0105 |
| 18 | 22-28-6184 | 42376-0088 | 36 | 22-28-6364 | 42376-0106 |
| 19 | 22-28-6194 | 42376-0089 | | | |

| A-42376-0107 / 0141 | | | | | |
|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-CXA154 | | | |
| PIN LENGTH: L | | .750/19.05 | | | |
| MATING LENGTH: M | | .405/10.29 | | | |
| GOLD POINT: G | | N/A | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | |
| PC TAIL LENGTH: P | | .120/3.05 | | | |
| TIN: T | | OVERALL | | | |
| CKTS: | | 2-36 | | | |
| KINKS: | | NONE | | | |
| REMOVED BACKWALLS: | | NONE | | | |
| VOIDED CKTS: | | NONE | | | |
| PACKAGING: | | BULK PK-40873-0043 | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-6021 | 42376-0107 | 20 | 22-28-6201 | 42376-0125 |
| 03 | 22-28-6031 | 42376-0108 | 21 | 22-28-6211 | 42376-0126 |
| 04 | 22-28-6041 | 42376-0109 | 22 | 22-28-6221 | 42376-0127 |
| 05 | 22-28-6051 | 42376-0110 | 23 | 22-28-6231 | 42376-0128 |
| 06 | 22-28-6061 | 42376-0111 | 24 | 22-28-6241 | 42376-0129 |
| 07 | 22-28-6071 | 42376-0112 | 25 | 22-28-6251 | 42376-0130 |
| 08 | 22-28-6081 | 42376-0113 | 26 | 22-28-6261 | 42376-0131 |
| 09 | 22-28-6091 | 42376-0114 | 27 | 22-28-6271 | 42376-0132 |
| 10 | 22-28-6101 | 42376-0015 | 28 | 22-28-6281 | 42376-0133 |
| 11 | 22-28-6111 | 42376-0116 | 29 | 22-28-6291 | 42376-0134 |
| 12 | 22-28-6121 | 42376-0117 | 30 | 22-28-6301 | 42376-0135 |
| 13 | 22-28-6131 | 42376-0118 | 31 | 22-28-6311 | 42376-0136 |
| 14 | 22-28-6141 | 42376-0119 | 32 | 22-28-6321 | 42376-0137 |
| 15 | 22-28-6151 | 42376-0120 | 33 | 22-28-6331 | 42376-0138 |
| 16 | 22-28-6161 | 42376-0121 | 34 | 22-28-6341 | 42376-0139 |
| 17 | 22-28-6171 | 42376-0122 | 35 | 22-28-6351 | 42376-0140 |
| 18 | 22-28-6181 | 42376-0123 | 36 | 22-28-6361 | 42376-0141 |
| 19 | 22-28-6191 | 42376-0124 | | | |

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| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 3 - |
| DOCUMENT NUMBER: SD- 42376-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

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|---------------------|--|--------------------|--|--|--|
| A-42376-0142 / 0176 | | | | | |
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-CXB208 | | | |
| PIN LENGTH: L | | .750/19.05 | | | |
| MATING LENGTH: M | | .405/10.29 | | | |
| GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | |
| 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-40873-0043 | | | |

| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
|------|-----------------|------------|------|-----------------|------------|
| 02 | 22-28-6023 | 42376-0142 | 20 | 22-28-6203 | 42376-0160 |
| 03 | 22-28-6033 | 42376-0143 | 21 | 22-28-6213 | 42376-0161 |
| 04 | 22-28-6043 | 42376-0144 | 22 | 22-28-6223 | 42376-0162 |
| 05 | 22-28-6053 | 42376-0145 | 23 | 22-28-6233 | 42376-0163 |
| 06 | 22-28-6063 | 42376-0146 | 24 | 22-28-6243 | 42376-0164 |
| 07 | 22-28-6073 | 42376-0147 | 25 | 22-28-6253 | 42376-0165 |
| 08 | 22-28-6083 | 42376-0148 | 26 | 22-28-6263 | 42376-0166 |
| 09 | 22-28-6093 | 42376-0149 | 27 | 22-28-6273 | 42376-0167 |
| 10 | 22-28-6103 | 42376-0150 | 28 | 22-28-6283 | 42376-0168 |
| 11 | 22-28-6113 | 42376-0151 | 29 | 22-28-6293 | 42376-0169 |
| 12 | 22-28-6123 | 42376-0152 | 30 | 22-28-6303 | 42376-0170 |
| 13 | 22-28-6133 | 42376-0153 | 31 | 22-28-6313 | 42376-0171 |
| 14 | 22-28-6143 | 42376-0154 | 32 | 22-28-6323 | 42376-0172 |
| 15 | 22-28-6153 | 42376-0155 | 33 | 22-28-6333 | 42376-0173 |
| 16 | 22-28-6163 | 42376-0156 | 34 | 22-28-6343 | 42376-0174 |
| 17 | 22-28-6173 | 42376-0157 | 35 | 22-28-6353 | 42376-0175 |
| 18 | 22-28-6183 | 42376-0158 | 36 | 22-28-6363 | 42376-0176 |
| 19 | 22-28-6193 | 42376-0159 | | | |

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|---------------------|--|--------------------|--|--|--|
| A-42376-0177 / 0211 | | | | | |
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-CXB228 | | | |
| PIN LENGTH: L | | .750/19.05 | | | |
| MATING LENGTH: M | | .405/10.29 | | | |
| GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | |
| 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-40873-0043 | | | |

| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
|------|-----------------|------------|------|-----------------|------------|
| 02 | 22-28-6025 | 42376-0177 | 20 | 22-28-6205 | 42376-0195 |
| 03 | 22-28-6035 | 42376-0178 | 21 | 22-28-6215 | 42376-0196 |
| 04 | 22-28-6045 | 42376-0179 | 22 | 22-28-6225 | 42376-0197 |
| 05 | 22-28-6055 | 42376-0180 | 23 | 22-28-6235 | 42376-0198 |
| 06 | 22-28-6065 | 42376-0181 | 24 | 22-28-6245 | 42376-0199 |
| 07 | 22-28-6075 | 42376-0182 | 25 | 22-28-6255 | 42376-0200 |
| 08 | 22-28-6085 | 42376-0183 | 26 | 22-28-6265 | 42376-0201 |
| 09 | 22-28-6095 | 42376-0184 | 27 | 22-28-6275 | 42376-0202 |
| 10 | 22-28-6105 | 42376-0185 | 28 | 22-28-6285 | 42376-0203 |
| 11 | 22-28-6115 | 42376-0186 | 29 | 22-28-6295 | 42376-0204 |
| 12 | 22-28-6125 | 42376-0187 | 30 | 22-28-6305 | 42376-0205 |
| 13 | 22-28-6135 | 42376-0188 | 31 | 22-28-6315 | 42376-0206 |
| 14 | 22-28-6145 | 42376-0189 | 32 | 22-28-6325 | 42376-0207 |
| 15 | 22-28-6155 | 42376-0190 | 33 | 22-28-6335 | 42376-0208 |
| 16 | 22-28-6165 | 42376-0191 | 34 | 22-28-6345 | 42376-0209 |
| 17 | 22-28-6175 | 42376-0192 | 35 | 22-28-6355 | 42376-0210 |
| 18 | 22-28-6185 | 42376-0193 | 36 | 22-28-6365 | 42376-0211 |
| 19 | 22-28-6195 | 42376-0194 | | | |

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|--|---|--|-----------------------------|
| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 4 - |
| DOCUMENT NUMBER: SD- 42376-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |

| A-42376-0212 / 0246 | | | | | | A-42376-0247 / 0281 | | | | | |
|---------------------|-----------------|--------------------|------|-----------------|------------|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | | HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-BNA154 | | | | PIN NUMBER: | | 42663-BNB208 | | | |
| PIN LENGTH: L | | .615/15.62 | | | | PIN LENGTH: L | | .615/15.62 | | | |
| MATING LENGTH: M | | .361/9.17 | | | | MATING LENGTH: M | | .361/9.17 | | | |
| GOLD POINT: G | | N/A | | | | GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .142/3.61 | | | | PIN HEIGHT: Y | | .142/3.61 | | | |
| PC TAIL LENGTH: P | | .135/3.43 | | | | PC TAIL LENGTH: P | | .135/3.43 | | | |
| TIN: T | | OVERALL | | | | TIN: T | | .135/3.43 | | | |
| 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 | 22-28-7020 | 42376-0212 | 20 | 22-28-7200 | 42376-0230 | 02 | 22-28-7022 | 42376-0247 | 20 | 22-28-7202 | 42376-0265 |
| 03 | 22-28-7030 | 42376-0213 | 21 | 22-28-7210 | 42376-0231 | 03 | 22-28-7032 | 42376-0248 | 21 | 22-28-7212 | 42376-0266 |
| 04 | 22-28-7040 | 42376-0214 | 22 | 22-28-7220 | 42376-0232 | 04 | 22-28-7042 | 42376-0249 | 22 | 22-28-7222 | 42376-0267 |
| 05 | 22-28-7050 | 42376-0215 | 23 | 22-28-7230 | 42376-0233 | 05 | 22-28-7052 | 42376-0250 | 23 | 22-28-7232 | 42376-0268 |
| 06 | 22-28-7060 | 42376-0216 | 24 | 22-28-7240 | 42376-0234 | 06 | 22-28-7062 | 42376-0251 | 24 | 22-28-7242 | 42376-0269 |
| 07 | 22-28-7070 | 42376-0217 | 25 | 22-28-7250 | 42376-0235 | 07 | 22-28-7072 | 42376-0252 | 25 | 22-28-7252 | 42376-0270 |
| 08 | 22-28-7080 | 42376-0218 | 26 | 22-28-7260 | 42376-0236 | 08 | 22-28-7082 | 42376-0253 | 26 | 22-28-7262 | 42376-0271 |
| 09 | 22-28-7090 | 42376-0219 | 27 | 22-28-7270 | 42376-0237 | 09 | 22-28-7092 | 42376-0254 | 27 | 22-28-7272 | 42376-0272 |
| 10 | 22-28-7100 | 42376-0220 | 28 | 22-28-7280 | 42376-0238 | 10 | 22-28-7102 | 42376-0255 | 28 | 22-28-7282 | 42376-0273 |
| 11 | 22-28-7110 | 42376-0221 | 29 | 22-28-7290 | 42376-0239 | 11 | 22-28-7112 | 42376-0256 | 29 | 22-28-7292 | 42376-0274 |
| 12 | 22-28-7120 | 42376-0222 | 30 | 22-28-7300 | 42376-0240 | 12 | 22-28-7122 | 42376-0257 | 30 | 22-28-7302 | 42376-0275 |
| 13 | 22-28-7130 | 42376-0223 | 31 | 22-28-7310 | 42376-0241 | 13 | 22-28-7132 | 42376-0258 | 31 | 22-28-7312 | 42376-0276 |
| 14 | 22-28-7140 | 42376-0224 | 32 | 22-28-7320 | 42376-0242 | 14 | 22-28-7142 | 42376-0259 | 32 | 22-28-7322 | 42376-0277 |
| 15 | 22-28-7150 | 42376-0225 | 33 | 22-28-7330 | 42376-0243 | 15 | 22-28-7152 | 42376-0260 | 33 | 22-28-7332 | 42376-0278 |
| 16 | 22-28-7160 | 42376-0226 | 34 | 22-28-7340 | 42376-0244 | 16 | 22-28-7162 | 42376-0261 | 34 | 22-28-7342 | 42376-0279 |
| 17 | 22-28-7170 | 42376-0227 | 35 | 22-28-7350 | 42376-0245 | 17 | 22-28-7172 | 42376-0262 | 35 | 22-28-7352 | 42376-0280 |
| 18 | 22-28-7180 | 42376-0228 | 36 | 22-28-7360 | 42376-0246 | 18 | 22-28-7182 | 42376-0263 | 36 | 22-28-7362 | 42376-0281 |
| 19 | 22-28-7190 | 42376-0229 | | | | 19 | 22-28-7192 | 42376-0264 | | | |

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|--|---|--|-----------------------------|
| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 5 - |
| DOCUMENT NUMBER: SD- 42376-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |

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|--------------------|--|--------------------|--|--|--|
| A-42376-0282/ 0316 | | | | | |
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-BNB228 | | | |
| PIN LENGTH: L | | .615/15.62 | | | |
| MATING LENGTH: M | | .361/9.17 | | | |
| GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .142/3.61 | | | |
| 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 | 22-28-7024 | 42376-0282 | 20 | 22-28-7204 | 42376-0300 |
| 03 | 22-28-7034 | 42376-0283 | 21 | 22-28-7214 | 42376-0301 |
| 04 | 22-28-7044 | 42376-0284 | 22 | 22-28-7224 | 42376-0302 |
| 05 | 22-28-7054 | 42376-0285 | 23 | 22-28-7234 | 42376-0303 |
| 06 | 22-28-7064 | 42376-0286 | 24 | 22-28-7244 | 42376-0304 |
| 07 | 22-28-7074 | 42376-0287 | 25 | 22-28-7254 | 42376-0305 |
| 08 | 22-28-7084 | 42376-0288 | 26 | 22-28-7264 | 42376-0306 |
| 09 | 22-28-7094 | 42376-0289 | 27 | 22-28-7274 | 42376-0307 |
| 10 | 22-28-7104 | 42376-0290 | 28 | 22-28-7284 | 42376-0308 |
| 11 | 22-28-7114 | 42376-0291 | 29 | 22-28-7294 | 42376-0309 |
| 12 | 22-28-7124 | 42376-0292 | 30 | 22-28-7304 | 42376-0310 |
| 13 | 22-28-7134 | 42376-0293 | 31 | 22-28-7314 | 42376-0311 |
| 14 | 22-28-7144 | 42376-0294 | 32 | 22-28-7324 | 42376-0312 |
| 15 | 22-28-7154 | 42376-0295 | 33 | 22-28-7334 | 42376-0313 |
| 16 | 22-28-7164 | 42376-0296 | 34 | 22-28-7344 | 42376-0314 |
| 17 | 22-28-7174 | 42376-0297 | 35 | 22-28-7354 | 42376-0315 |
| 18 | 22-28-7184 | 42376-0298 | 36 | 22-28-7364 | 42376-0316 |
| 19 | 22-28-7194 | 42376-0299 | | | |

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|---------------------|--|--------------------|--|--|--|
| A-42376-0317 / 0351 | | | | | |
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-DAA154 | | | |
| PIN LENGTH: L | | .765/19.43 | | | |
| MATING LENGTH: M | | .405/10.29 | | | |
| GOLD POINT: G | | N/A | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | |
| 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-40873-0043 | | | |

| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
|------|-----------------|------------|------|-----------------|------------|
| 02 | 22-28-7021 | 42376-0317 | 20 | 22-28-7201 | 42376-0335 |
| 03 | 22-28-7031 | 42376-0318 | 21 | 22-28-7211 | 42376-0336 |
| 04 | 22-28-7041 | 42376-0319 | 22 | 22-28-7221 | 42376-0337 |
| 05 | 22-28-7051 | 42376-0320 | 23 | 22-28-7231 | 42376-0338 |
| 06 | 22-28-7061 | 42376-0321 | 24 | 22-28-7241 | 42376-0339 |
| 07 | 22-28-7071 | 42376-0322 | 25 | 22-28-7251 | 42376-0340 |
| 08 | 22-28-7081 | 42376-0323 | 26 | 22-28-7261 | 42376-0341 |
| 09 | 22-28-7091 | 42376-0324 | 27 | 22-28-7271 | 42376-0342 |
| 10 | 22-28-7101 | 42376-0325 | 28 | 22-28-7281 | 42376-0343 |
| 11 | 22-28-7111 | 42376-0326 | 29 | 22-28-7291 | 42376-0344 |
| 12 | 22-28-7121 | 42376-0327 | 30 | 22-28-7301 | 42376-0345 |
| 13 | 22-28-7131 | 42376-0328 | 31 | 22-28-7311 | 42376-0346 |
| 14 | 22-28-7141 | 42376-0329 | 32 | 22-28-7321 | 42376-0347 |
| 15 | 22-28-7151 | 42376-0330 | 33 | 22-28-7331 | 42376-0348 |
| 16 | 22-28-7161 | 42376-0331 | 34 | 22-28-7341 | 42376-0349 |
| 17 | 22-28-7171 | 42376-0332 | 35 | 22-28-7351 | 42376-0350 |
| 18 | 22-28-7181 | 42376-0333 | 36 | 22-28-7361 | 42376-0351 |
| 19 | 22-28-7191 | 42376-0334 | | | |

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| REV: | ECR / ECN INFORMATION: | TITLE: | SHEET No. |
| K13 | EC No.: UCP2009-1603 DATE: 4/23/2009 | KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | - 6 - |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY: | APPROVED BY: |
| SD- 42376-001 | MKIPPER | JBELL | FSMITH |

| A-42376-0352 / 0386 | | | | | | A-42376-0387 / 0421 | | | | | |
|---------------------|-----------------|--------------------|------|-----------------|------------|---------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | | HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-DAB208 | | | | PIN NUMBER: | | 42663-DAB228 | | | |
| PIN LENGTH: L | | .765/19.43 | | | | PIN LENGTH: L | | .765/19.43 | | | |
| MATING LENGTH: M | | .405/10.29 | | | | MATING LENGTH: M | | .405/10.29 | | | |
| GOLD POINT: G | | .180/4.57 | | | | GOLD POINT: G | | .180/4.57 | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | | PIN HEIGHT: Y | | .248/6.30 | | | |
| PC TAIL LENGTH: P | | .135/3.43 | | | | PC TAIL LENGTH: P | | .135/3.43 | | | |
| TIN: T | | .135/3.43 | | | | TIN: T | | .135/3.43 | | | |
| 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-40873-0043 | | | | PACKAGING: | | BULK PK-40873-0043 | | | |
| CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02 | 22-28-7023 | 42376-0352 | 20 | 22-28-7203 | 42376-0370 | 02 | 22-28-7025 | 42376-0387 | 20 | 22-28-7205 | 42376-0405 |
| 03 | 22-28-7033 | 42376-0353 | 21 | 22-28-7213 | 42376-0371 | 03 | 22-28-7035 | 42376-0388 | 21 | 22-28-7215 | 42376-0406 |
| 04 | 22-28-7043 | 42376-0354 | 22 | 22-28-7223 | 42376-0372 | 04 | 22-28-7045 | 42376-0389 | 22 | 22-28-7225 | 42376-0407 |
| 05 | 22-28-7053 | 42376-0355 | 23 | 22-28-7233 | 42376-0373 | 05 | 22-28-7055 | 42376-0390 | 23 | 22-28-7235 | 42376-0408 |
| 06 | 22-28-7063 | 42376-0356 | 24 | 22-28-7243 | 42376-0374 | 06 | 22-28-7065 | 42376-0391 | 24 | 22-28-7245 | 42376-0409 |
| 07 | 22-28-7073 | 42376-0357 | 25 | 22-28-7253 | 42376-0375 | 07 | 22-28-7075 | 42376-0392 | 25 | 22-28-7255 | 42376-0410 |
| 08 | 22-28-7083 | 42376-0358 | 26 | 22-28-7263 | 42376-0376 | 08 | 22-28-7085 | 42376-0393 | 26 | 22-28-7265 | 42376-0411 |
| 09 | 22-28-7093 | 42376-0359 | 27 | 22-28-7273 | 42376-0377 | 09 | 22-28-7095 | 42376-0394 | 27 | 22-28-7275 | 42376-0412 |
| 10 | 22-28-7103 | 42376-0360 | 28 | 22-28-7283 | 42376-0378 | 10 | 22-28-7105 | 42376-0395 | 28 | 22-28-7285 | 42376-0413 |
| 11 | 22-28-7113 | 42376-0361 | 29 | 22-28-7293 | 42376-0379 | 11 | 22-28-7115 | 42376-0396 | 29 | 22-28-7295 | 42376-0414 |
| 12 | 22-28-7123 | 42376-0362 | 30 | 22-28-7303 | 42376-0380 | 12 | 22-28-7125 | 42376-0397 | 30 | 22-28-7305 | 42376-0415 |
| 13 | 22-28-7133 | 42376-0363 | 31 | 22-28-7313 | 42376-0381 | 13 | 22-28-7135 | 42376-0398 | 31 | 22-28-7315 | 42376-0416 |
| 14 | 22-28-7143 | 42376-0364 | 32 | 22-28-7323 | 42376-0382 | 14 | 22-28-7145 | 42376-0399 | 32 | 22-28-7325 | 42376-0417 |
| 15 | 22-28-7153 | 42376-0365 | 33 | 22-28-7333 | 42376-0383 | 15 | 22-28-7155 | 42376-0400 | 33 | 22-28-7335 | 42376-0418 |
| 16 | 22-28-7163 | 42376-0366 | 34 | 22-28-7343 | 42376-0384 | 16 | 22-28-7165 | 42376-0401 | 34 | 22-28-7345 | 42376-0419 |
| 17 | 22-28-7173 | 42376-0367 | 35 | 22-28-7353 | 42376-0385 | 17 | 22-28-7175 | 42376-0402 | 35 | 22-28-7355 | 42376-0420 |
| 18 | 22-28-7183 | 42376-0368 | 36 | 22-28-7363 | 42376-0386 | 18 | 22-28-7185 | 42376-0403 | 36 | 22-28-7365 | 42376-0421 |
| 19 | 22-28-7193 | 42376-0369 | | | | 19 | 22-28-7195 | 42376-0404 | | | |

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| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 7 - |
| DOCUMENT NUMBER: SD- 42376-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |

| A-42376-0422/0456 | | | | A-42376-0549/0581 | | | | A-42376-0582/0616 | | | |
|--------------------|-----------------|-----------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|-----------------|-----------------|
| HEADER NUMBER: | | 42312-0002/0036 | | HEADER NUMBER: | | 42312-0004/0036 | | HEADER NUMBER: | | 42312-0002/0036 | |
| PIN NUMBER: | | 42663-ATA154 | | PIN NUMBER: | | 42663-DAA154 | | PIN NUMBER: | | 42663-DCA154 | |
| PIN LENGTH: L | | .530/13.46 | | PIN LENGTH: L | | .765/19.43 | | PIN LENGTH: L | | .775/19.69 | |
| MATING LENGTH: M | | .276/7.01 | | MATING LENGTH: M | | .405/10.29 | | MATING LENGTH: M | | .524/13.31 | |
| GOLD POINT: G | | N/A | | GOLD POINT: G | | N/A | | GOLD POINT: G | | N/A | |
| PIN HEIGHT: Y | | .142/3.61 | | PIN HEIGHT: Y | | .248/6.30 | | PIN HEIGHT: Y | | .142/3.61 | |
| PC TAIL LENGTH: P | | .135/3.43 | | PC TAIL LENGTH: P | | .135/3.43 | | PC TAIL LENGTH: P | | .131/3.33 | |
| TIN: T | | OVERALL | | TIN: T | | OVERALL | | TIN: T | | OVERALL | |
| CKTS: | | 2-36 | | CKTS: | | 4-36 | | CKTS: | | 2-36 | |
| KINKS: | | PER SMES-42003 | | KINKS: | | PER SMES-42003 | | KINKS: | | NONE | |
| REMOVED BACKWALLS: | | NONE | | REMOVED BACKWALLS: | | NONE | | REMOVED BACKWALLS: | | NONE | |
| VOIDED CKTS: | | NONE | | VOIDED CKTS: | | 3 | | VOIDED CKTS: | | NONE | |
| PACKAGING | | PK-40873-0041 | | PACKAGING | | BULK PK-40873-0043 | | PACKAGING | | PK-40873-0043 | |
| CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER | CKTS | MATERIAL NUMBER |
| 02 | 42376-0422 | 20 | 42376-0440 | 02 | | 20 | 42376-0565 | 02 | 42376-0582 | 20 | 42376-0600 |
| 03 | 42376-0423 | 21 | 42376-0441 | 03 | | 21 | 42376-0566 | 03 | 42376-0583 | 21 | 42376-0601 |
| 04 | 42376-0424 | 22 | 42376-0442 | 04 | 42376-0549 | 22 | 42376-0567 | 04 | 42376-0584 | 22 | 42376-0602 |
| 05 | 42376-0425 | 23 | 42376-0443 | 05 | 42376-0550 | 23 | 42376-0568 | 05 | 42376-0585 | 23 | 42376-0603 |
| 06 | 42376-0426 | 24 | 42376-0444 | 06 | 42376-0551 | 24 | 42376-0569 | 06 | 42376-0586 | 24 | 42376-0604 |
| 07 | 42376-0427 | 25 | 42376-0445 | 07 | 42376-0552 | 25 | 42376-0570 | 07 | 42376-0587 | 25 | 42376-0605 |
| 08 | 42376-0428 | 26 | 42376-0446 | 08 | 42376-0553 | 26 | 42376-0571 | 08 | 42376-0588 | 26 | 42376-0606 |
| 09 | 42376-0429 | 27 | 42376-0447 | 09 | 42376-0554 | 27 | 42376-0572 | 09 | 42376-0589 | 27 | 42376-0607 |
| 10 | 42376-0430 | 28 | 42376-0448 | 10 | 42376-0555 | 28 | 42376-0573 | 10 | 42376-0590 | 28 | 42376-0608 |
| 11 | 42376-0431 | 29 | 42376-0449 | 11 | 42376-0556 | 29 | 42376-0574 | 11 | 42376-0591 | 29 | 42376-0609 |
| 12 | 42376-0432 | 30 | 42376-0450 | 12 | 42376-0557 | 30 | 42376-0575 | 12 | 42376-0592 | 30 | 42376-0610 |
| 13 | 42376-0433 | 31 | 42376-0451 | 13 | 42376-0558 | 31 | 42376-0576 | 13 | 42376-0593 | 31 | 42376-0611 |
| 14 | 42376-0434 | 32 | 42376-0452 | 14 | 42376-0559 | 32 | 42376-0577 | 14 | 42376-0594 | 32 | 42376-0612 |
| 15 | 42376-0435 | 33 | 42376-0453 | 15 | 42376-0560 | 33 | 42376-0578 | 15 | 42376-0595 | 33 | 42376-0613 |
| 16 | 42376-0436 | 34 | 42376-0454 | 16 | 42376-0561 | 34 | 42376-0579 | 16 | 42376-0596 | 34 | 42376-0614 |
| 17 | 42376-0437 | 35 | 42376-0455 | 17 | 42376-0562 | 35 | 42376-0580 | 17 | 42376-0597 | 35 | 42376-0615 |
| 18 | 42376-0438 | 36 | 42376-0456 | 18 | 42376-0563 | 36 | 42376-0581 | 18 | 42376-0598 | 36 | 42376-0616 |
| 19 | 42376-0439 | | | 19 | 42376-0564 | | | 19 | 42376-0599 | | |

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| REV: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 8 - |
| DOCUMENT NUMBER: SD- 42376-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |

| 42376-0683 / ---- | | | | | |
|--------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0002/0036 | | | | |
| PIN NUMBER: | 42663-CTB208 | | | | |
| PIN LENGTH: L | .740/18.80 | | | | |
| MATING LENGTH: M | .405/10.29 | | | | |
| GOLD POINT: G | .180/4.57 | | | | |
| PIN HEIGHT: Y | .235/5.97 | | | | |
| PC TAIL LENGTH: P | .123/3.12 | | | | |
| 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 | | | 20 | | |
| 03 | | | 21 | | |
| 04 | | | 22 | | |
| 05 | | | 23 | | |
| 06 | 423760687 | 42376-0687 | 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 | | | | | |

| 42376-0718 / ---- | | | | | |
|--------------------|--------------------|------------|------|-----------------|------------|
| HEADER NUMBER: | 42312-0002/0036 | | | | |
| PIN NUMBER: | 42663-ANA154 | | | | |
| PIN LENGTH: L | .510/12.95 | | | | |
| MATING LENGTH: M | .175/4.45 | | | | |
| GOLD POINT: G | N/A | | | | |
| PIN HEIGHT: Y | .248/6.30 | | | | |
| PC TAIL LENGTH: P | .100/2.54 | | | | |
| 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 | 423760718 | 42376-0718 | 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: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 9 - |
| DOCUMENT NUMBER: SD- 42376-001 | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL | APPROVED BY: FSMITH |



| 42376-0753 / 0787 | | | | | |
|--------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-BBA154 | | | |
| PIN LENGTH: L | | .560/14.22 | | | |
| MATING LENGTH: M | | .208/5.28 | | | |
| GOLD POINT: G | | N/A | | | |
| PIN HEIGHT: Y | | .248/6.30 | | | |
| 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 | 423760756 | 42376-0756 | 23 | | |
| 06 | | | 24 | | |
| 07 | | | 25 | | |
| 08 | | | 26 | | |
| 09 | | | 27 | 423760778 | 42376-0778 |
| 10 | | | 28 | | |
| 11 | | | 29 | 423760780 | 42376-0780 |
| 12 | | | 30 | | |
| 13 | | | 31 | | |
| 14 | | | 32 | | |
| 15 | | | 33 | | |
| 16 | | | 34 | | |
| 17 | | | 35 | | |
| 18 | | | 36 | | |
| 19 | | | | | |

| 42376-0788 / 0822 | | | | | |
|--------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER: | | 42312-0002/0036 | | | |
| PIN NUMBER: | | 42663-DHA154 | | | |
| PIN LENGTH: L | | .800 / 20.32 | | | |
| MATING LENGTH: M | | .350 / 8.90 | | | |
| GOLD POINT: G | | N/A | | | |
| PIN HEIGHT: Y | | .354 / 9.00 | | | |
| PC TAIL LENGTH: P | | .118 / 3.00 | | | |
| 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 | 423760790 | 42376-0790 | 22 | | |
| 05 | | | 23 | | |
| 06 | 423760792 | 42376-0792 | 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: K13 | ECR / ECN INFORMATION: EC No.: UCP2009-1603 DATE: 4/23/2009 | TITLE: KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | SHEET No. - 10 - |
| DOCUMENT NUMBER: SD- 42376-001 | | CREATED / REVISED BY: MKIPPER | CHECKED BY: JBELL |
| | | APPROVED BY: FSMITH | |