

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022286313](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle, 31 Circuits, 0.38µm (15µ") Gold (Au) Selective 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) 31
 Circuits (maximum) 31
 Color - Resin Black
 Durability (mating cycles max) 25
 Flammability 94V-0
 Glow-Wire Compliant No
 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) 15
 Plating min: Mating (µm) 0.375
 Plating min: Termination (µin) 100
 Plating min: Termination (µm) 2.5
 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



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
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](#)

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 42376-0171

Reference - Drawing Numbers

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

This document was generated on 03/22/2010

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| 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



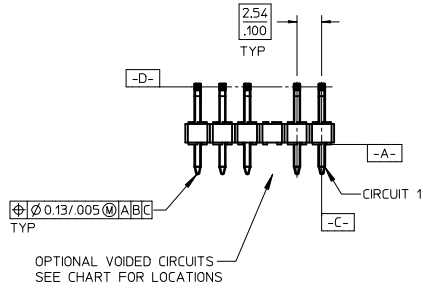
DETAIL Y
SCALE 5:1
SEE NOTE 10



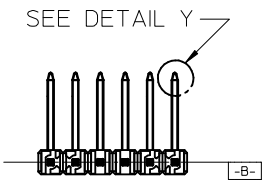
DETAIL Z
SCALE 5:1



SEE DETAIL X



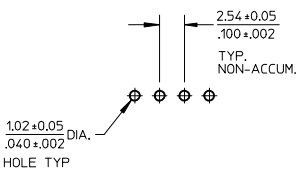
OPTIONAL VOIDED CIRCUITS
SEE CHART FOR LOCATIONS



SEE DETAIL Y

- 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.
 - 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 | DOCUMENT NO. SD-42376-001 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | | MATERIAL NO. SEE CHART | | SIZE B | | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | 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 | | | | | |

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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. - 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 | |