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Part Number: [0022288023](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle Surface Mount
Compatible, 2 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Mating Pin Length
8.23mm (.324")

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

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

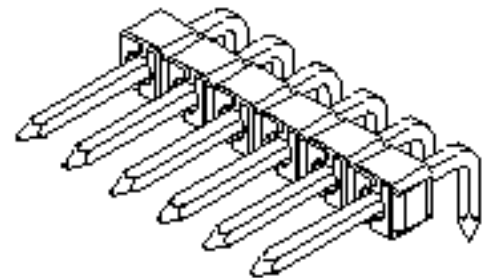


image - Reference only

Series

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) 2
Circuits (maximum) 2
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) 15
Plating min: Mating (µm) 0.375
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
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
[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	42377-0107
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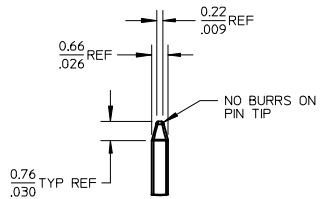
Reference - Drawing Numbers

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

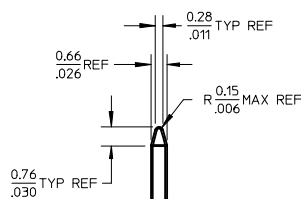
This document was generated on 03/22/2010

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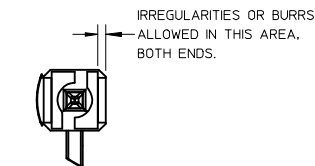
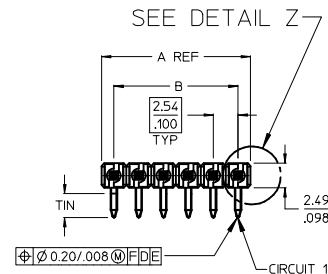
	10	9	8	7	6	5	4	3	2	1
NO. CKTS	DIM. A	DIM. B								
2	5.08 200	2.54 100								
3	7.62 300	5.08 200								
4	10.16 400	7.62 300								
5	12.70 500	10.16 400								
6	15.24 600	12.70 500								
7	17.78 700	15.24 600								
8	20.32 800	17.78 700								
9	22.86 900	20.32 800								
10	25.40 1000	22.86 900								
11	27.94 1100	25.40 1000								
12	30.48 1200	27.94 1100								
13	33.02 1300	30.48 1200								
14	35.56 1400	33.02 1300								
15	38.10 1500	35.56 1400								
16	40.64 1600	38.10 1500								
17	43.18 1700	40.64 1600								
18	45.72 1800	43.18 1700								
19	48.26 1900	45.72 1800								
20	50.80 2000	48.26 1900								
21	53.34 2100	50.80 2000								
22	55.88 2200	53.34 2100								
23	58.42 2300	55.88 2200								
24	60.96 2400	58.42 2300								
25	63.50 2500	60.96 2400								
26	66.04 2600	63.50 2500								
27	68.58 2700	66.04 2600								
28	71.12 2800	68.58 2700								
29	73.66 2900	71.12 2800								
30	76.20 3000	73.66 2900								
31	78.74 3100	76.20 3000								
32	81.28 3200	78.74 3100								
33	83.82 3300	81.28 3200								
34	86.36 3400	83.82 3300								
35	88.90 3500	86.36 3400								
36	91.44 3600	88.90 3500								



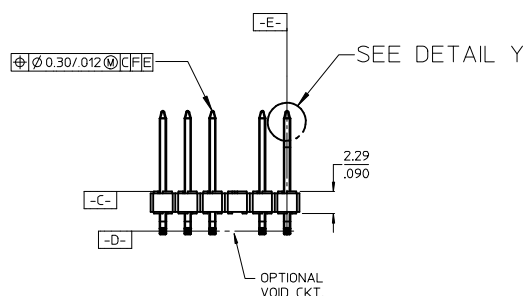
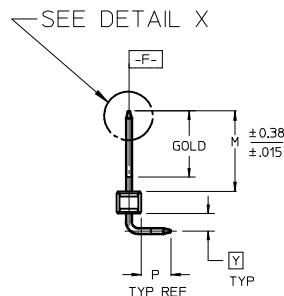
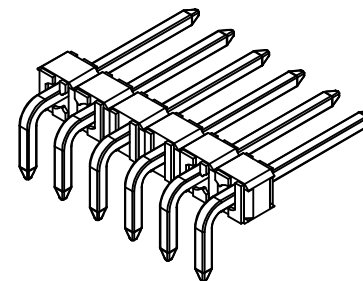
DETAIL X
SCALE 5:1
SEE NOTE 10



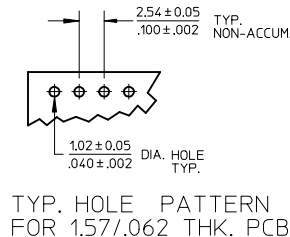
DETAIL Y
SCALE 5:1
SEE NOTE 10



DETAIL Z
SCALE 5:1



- NOTES:
1. MATERIAL: GLASS FILLED NYLON
UL94V-0, COLOR: BLACK
 2. 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.
 3. PRODUCT SPECIFICATION: PS 10-07.
 4. PACKAGING INFORMATION: SEE TABLES
 5. SOLDERABILITY PER SMES-152.
 6. PIN PUSH OUT FORCE: 3 LBS. MIN
 7. SEE SMES-42003 FOR ADDITIONAL INFORMATION
ON KINK PIN DIRECTION AND PLACEMENT.
 8. HEADERS ARE NOT STACKABLE ON 2.54/.100 CENTERS.
 9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPECIFICATION PS-45499-002.
 10. PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.



ADD PN 42377-1429 EC NO: UCP2009-0952 DRWN:MK/PPER 2008/10/27 CHKD: J.BELL 2008/10/30 APPR: F.S.MITH 2008/10/31 X1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JSCHAFFER	DATE 11/24/03	TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY MOLEX MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± .010	SAMIEC	11/24/03			
			2 PLACES	± 0.25	± .015	APPROVED BY	DATE			
	1 PLACE	± 0.38	± ---	MARGULIS	11/24/03	MOLEX	MOLEX INCORPORATED			
			ANGULAR ±1/2 °		MATERIAL NO.	DOCUMENT NO.			SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-42377-001			1 OF *
	REV				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

✓ A-42377-0002 / 0036						✓ A-42377-0037 / 0071					
HEADER NUMBER:			42312-0036			HEADER NUMBER:			42312-0036		
PIN NUMBER:			42663-AZA154			PIN NUMBER:			42663-BSA154		
PIN LENGTH: L			.550/13.97			PIN LENGTH: L			.630/16.00		
MATING LENGTH: M			.244/6.20			MATING LENGTH: M			.324/8.23		
GOLD POINT: G			N/A			GOLD POINT: G			N/A		
PI N HEIGHT: Y			.070/1.78			PI N HEIGHT: Y			.070/1.78		
PC TAIL LENGTH: P			.120/3.05			PC TAIL LENGTH: P			.120/3.05		
TIN: T			OVERALL			TIN: T			OVERALL		
CKTS:			2-36			CKTS:			2-36		
KINKS:			NONE			KINKS:			NONE		
REMOVED BACKWALLS:			NONE			REMOVED BACKWALLS:			NONE		
VOIDED CKTS:			NONE			VOIDED CKTS:			NONE		
PACKAGING:			BULK PK-40873-0041			PACKAGING:			BULK PK-40873-0041		
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-8020	42377-0002	20	22-28-8200	42377-0020	02	22-28-8021	42377-0037	20	22-28-8201	42377-0055
03	22-28-8030	42377-0003	21	22-28-8210	42377-0021	03	22-28-8031	42377-0038	21	22-28-8211	42377-0056
04	22-28-8040	42377-0004	22	22-28-8220	42377-0022	04	22-28-8041	42377-0039	22	22-28-8221	42377-0057
05	22-28-8050	42377-0005	23	22-28-8230	42377-0023	05	22-28-8051	42377-0040	23	22-28-8231	42377-0058
06	22-28-8060	42377-0006	24	22-28-8240	42377-0024	06	22-28-8061	42377-0041	24	22-28-8241	42377-0059
07	22-28-8070	42377-0007	25	22-28-8250	42377-0025	07	22-28-8071	42377-0042	25	22-28-8251	42377-0060
08	22-28-8080	42377-0008	26	22-28-8260	42377-0026	08	22-28-8081	42377-0043	26	22-28-8261	42377-0061
09	22-28-8090	42377-0009	27	22-28-8270	42377-0027	09	22-28-8091	42377-0044	27	22-28-8271	42377-0062
10	22-28-8100	42377-0010	28	22-28-8280	42377-0028	10	22-28-8101	42377-0045	28	22-28-8281	42377-0063
11	22-28-8110	42377-0011	29	22-28-8290	42377-0029	11	22-28-8111	42377-0046	29	22-28-8291	42377-0064
12	22-28-8120	42377-0012	30	22-28-8300	42377-0030	12	22-28-8121	42377-0047	30	22-28-8301	42377-0065
13	22-28-8130	42377-0013	31	22-28-8310	42377-0031	13	22-28-8131	42377-0048	31	22-28-8311	42377-0066
14	22-28-8140	42377-0014	32	22-28-8320	42377-0032	14	22-28-8141	42377-0049	32	22-28-8321	42377-0067
15	22-28-8150	42377-0015	33	22-28-8330	42377-0033	15	22-28-8151	42377-0050	33	22-28-8331	42377-0068
16	22-28-8160	42377-0016	34	22-28-8340	42377-0034	16	22-28-8161	42377-0051	34	22-28-8341	42377-0069
17	22-28-8170	42377-0017	35	22-28-8350	42377-0035	17	22-28-8171	42377-0052	35	22-28-8351	42377-0070
18	22-28-8180	42377-0018	36	22-28-8360	42377-0036	18	22-28-8181	42377-0053	36	22-28-8361	42377-0071
19	22-28-8190	42377-0019				19	22-28-8191	42377-0054			
REV:		<u>ECR/ECN INFORMATION:</u>			<u>TITLE:</u>					<u>SHEET No.</u>	
X1		<u>EC No:</u> UCP2009-0952			KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY					- 2 -	
		<u>DATE:</u> 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-42377-0072 / 0106						✓ A-42377-0107 / 0141					
HEADER NUMBER:			42312-0036			HEADER NUMBER:			42312-0036		
PIN NUMBER:			42663-AZB208			PIN NUMBER:			42663-BSB208		
PIN LENGTH: L			.550/13.97			PIN LENGTH: L			.630/16.00		
MATING LENGTH: M			.244/6.20			MATING LENGTH: M			.324/8.23		
GOLD POINT: G			.140/3.56			GOLD POINT: G			.140/3.56		
PIN HEIGHT: Y			.070/1.78			PIN HEIGHT: Y			.070/1.78		
PC TAIL LENGTH: P			.120/13.05			PC TAIL LENGTH: P			.120/3.05		
TIN: T			.135/3.43			TIN: T			.135/3.43		
CKTS:			2-36			CKTS:			2-36		
KINKS:			NONE			KINKS:			NONE		
REMOVED BACKWALLS:			NONE			REMOVED BACKWALLS:			NONE		
VOIDED CKTS:			NONE			VOIDED CKTS:			NONE		
PACKAGING:			BULK PK-40873-0041			PACKAGING:			BULK PK-40873-0041		
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-8022	42377-0072	20	22-28-8202	42377-0090	02	22-28-8023	42377-0107	20	22-28-8203	42377-0125
03	22-28-8032	42377-0073	21	22-28-8212	42377-0091	03	22-28-8033	42377-0108	21	22-28-8213	42377-0126
04	22-28-8042	42377-0074	22	22-28-8222	42377-0092	04	22-28-8043	42377-0109	22	22-28-8223	42377-0127
05	22-28-8052	42377-0075	23	22-28-8232	42377-0093	05	22-28-8053	42377-0110	23	22-28-8233	42377-0128
06	22-28-8062	42377-0076	24	22-28-8242	42377-0094	06	22-28-8063	42377-0111	24	22-28-8243	42377-0129
07	22-28-8072	42377-0077	25	22-28-8252	42377-0095	07	22-28-8073	42377-0112	25	22-28-8253	42377-0130
08	22-28-8082	42377-0078	26	22-28-8262	42377-0096	08	22-28-8083	42377-0113	26	22-28-8263	42377-0131
09	22-28-8092	42377-0079	27	22-28-8272	42377-0097	09	22-28-8093	42377-0114	27	22-28-8273	42377-0132
10	22-28-8102	42377-0080	28	22-28-8282	42377-0098	10	22-28-8103	42377-0115	28	22-28-8283	42377-0133
11	22-28-8112	42377-0081	29	22-28-8292	42377-0099	11	22-28-8113	42377-0116	29	22-28-8293	42377-0134
12	22-28-8122	42377-0082	30	22-28-8302	42377-0100	12	22-28-8123	42377-0117	30	22-28-8303	42377-0135
13	22-28-8132	42377-0083	31	22-28-8312	42377-0101	13	22-28-8133	42377-0118	31	22-28-8313	42377-0136
14	22-28-8142	42377-0084	32	22-28-8322	42377-0102	14	22-28-8143	42377-0119	32	22-28-8323	42377-0137
15	22-28-8152	42377-0085	33	22-28-8332	42377-0103	15	22-28-8153	42377-0120	33	22-28-8333	42377-0138
16	22-28-8162	42377-0086	34	22-28-8342	42377-0104	16	22-28-8163	42377-0121	34	22-28-8343	42377-0139
17	22-28-8172	42377-0087	35	22-28-8352	42377-0105	17	22-28-8173	42377-0122	35	22-28-8353	42377-0140
18	22-28-8182	42377-0088	36	22-28-8362	42377-0106	18	22-28-8183	42377-0123	36	22-28-8363	42377-0141
19	22-28-8192	42377-0089				19	22-28-8193	42377-0124			
REV:		<u>ECR/ECN INFORMATION:</u>				<u>TITLE:</u>					<u>SHEET No.</u>
X1		<u>EC No:</u> UCP2009-0952				KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY					- 3 -
		<u>DATE:</u> 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-42377-0142 / 0176						✓ A-42377-0177 / 0211					
HEADER NUMBER:			42312-0036			HEADER NUMBER:			42312-0036		
PIN NUMBER:			42663-BCA154			PIN NUMBER:			42663-BXA154		
PIN LENGTH: L			.565/14.35			PIN LENGTH: L			.645/16.38		
MATING LENGTH: M			.244/6.20			MATING LENGTH: M			.324/8.23		
GOLD POINT: G			N/A			GOLD POINT: G			N/A		
PIN HEIGHT: Y			.070/1.78			PIN HEIGHT: Y			.070/1.78		
PC TAIL LENGTH: P			.135/3.43			PC TAIL LENGTH: P			.135/3.43		
TIN: T			OVERALL			TIN: T			OVERALL		
CKTS:			2-36			CKTS:			2-36		
KINKS:			PER SMES-42003			KINKS:			PER SMES-42003		
REMOVED BACKWALLS:			NONE			REMOVED BACKWALLS:			NONE		
VOIDED CKTS:			NONE			VOIDED CKTS:			NONE		
PACKAGING:			BULK PK-40873-0041			PACKAGING:			BULK PK-40873-0041		
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-9020	42377-0142	20	22-28-9200	42377-0160	02	22-28-9021	42377-0177	20	22-28-9201	42377-0195
03	22-28-9030	42377-0143	21	22-28-9210	42377-0161	03	22-28-9031	42377-0178	21	22-28-9211	42377-0196
04	22-28-9040	42377-0144	22	22-28-9220	42377-0162	04	22-28-9041	42377-0179	22	22-28-9221	42377-0197
05	22-28-9050	42377-0145	23	22-28-9230	42377-0163	05	22-28-9051	42377-0180	23	22-28-9231	42377-0198
06	22-28-9060	42377-0146	24	22-28-9240	42377-0164	06	22-28-9061	42377-0181	24	22-28-9241	42377-0199
07	22-28-9070	42377-0147	25	22-28-9250	42377-0165	07	22-28-9071	42377-0182	25	22-28-9251	42377-0200
08	22-28-9080	42377-0148	26	22-28-9260	42377-0166	08	22-28-9081	42377-0183	26	22-28-9261	42377-0201
09	22-28-9090	42377-0149	27	22-28-9270	42377-0167	09	22-28-9091	42377-0184	27	22-28-9271	42377-0202
10	22-28-9100	42377-0150	28	22-28-9280	42377-0168	10	22-28-9101	42377-0185	28	22-28-9281	42377-0203
11	22-28-9110	42377-0151	29	22-28-9290	42377-0169	11	22-28-9111	42377-0186	29	22-28-9291	42377-0204
12	22-28-9120	42377-0152	30	22-28-9300	42377-0170	12	22-28-9121	42377-0187	30	22-28-9301	42377-0205
13	22-28-9130	42377-0153	31	22-28-9310	42377-0171	13	22-28-9131	42377-0188	31	22-28-9311	42377-0206
14	22-28-9140	42377-0154	32	22-28-9320	42377-0172	14	22-28-9141	42377-0189	32	22-28-9321	42377-0207
15	22-28-9150	42377-0155	33	22-28-9330	42377-0173	15	22-28-9151	42377-0190	33	22-28-9331	42377-0208
16	22-28-9160	42377-0156	34	22-28-9340	42377-0174	16	22-28-9161	42377-0191	34	22-28-9341	42377-0209
17	22-28-9170	42377-0157	35	22-28-9350	42377-0175	17	22-28-9171	42377-0192	35	22-28-9351	42377-0210
18	22-28-9180	42377-0158	36	22-28-9360	42377-0176	18	22-28-9181	42377-0193	36	22-28-9361	42377-0211
19	22-28-9190	42377-0159				19	22-28-9191	42377-0194			
REV:			ECR/ECN INFORMATION:			TITLE:			SHEET No.		
X1			EC No: UCP2009-0952			KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY			- 4 -		
			DATE: 10/31/2008								
DOCUMENT NUMBER:			CREATED / REVISED BY:			CHECKED BY:			APPROVED BY:		
SD- 42377-001			MKIPPER			JBELL			FSMITH		
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC											

✓ A-42377-0212/0246						✓ A-42377-0247-0281					
HEADER NUMBER:		42312-0036				HEADER NUMBER:		42312-0036			
PIN NUMBER:		42663-BCB208				PIN NUMBER:		42663-BXB208			
PIN LENGTH: L		.565/14.35				PIN LENGTH: L		.645/16.38			
MATING LENGTH: M		.244/6.20				MATING LENGTH: M		.324/8.23			
GOLD POINT: G		.100/2.54				GOLD POINT: G		.140/3.56			
PIN HEIGHT: Y		.070/1.78				PIN HEIGHT: Y		.070/1.78			
PC TAIL LENGTH: P		.135/3.43				PC TAIL LENGTH: P		.135/3.43			
TIN: T		.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-40873-0041				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	22-28-9022	42377-0212	20	22-28-9202	42377-0230	02	22-28-9023	42377-0247	20	22-28-9203	42377-0265
03	22-28-9032	42377-0213	21	22-28-9212	42377-0231	03	22-28-9033	42377-0248	21	22-28-9213	42377-0266
04	22-28-9042	42377-0214	22	22-28-9222	42377-0232	04	22-28-9043	42377-0249	22	22-28-9223	42377-0267
05	22-28-9052	42377-0215	23	22-28-9232	42377-0233	05	22-28-9053	42377-0250	23	22-28-9233	42377-0268
06	22-28-9062	42377-0216	24	22-28-9242	42377-0234	06	22-28-9063	42377-0251	24	22-28-9243	42377-0269
07	22-28-9072	42377-0217	25	22-28-9252	42377-0235	07	22-28-9073	42377-0252	25	22-28-9253	42377-0270
08	22-28-9082	42377-0218	26	22-28-9262	42377-0236	08	22-28-9083	42377-0253	26	22-28-9263	42377-0271
09	22-28-9092	42377-0219	27	22-28-9272	42377-0237	09	22-28-9093	42377-0254	27	22-28-9273	42377-0272
10	22-28-9102	42377-0220	28	22-28-9282	42377-0238	10	22-28-9103	42377-0255	28	22-28-9283	42377-0273
11	22-28-9112	42377-0221	29	22-28-9292	42377-0239	11	22-28-9113	42377-0256	29	22-28-9293	42377-0274
12	22-28-9122	42377-0222	30	22-28-9302	42377-0240	12	22-28-9123	42377-0257	30	22-28-9303	42377-0275
13	22-28-9132	42377-0223	31	22-28-9312	42377-0241	13	22-28-9133	42377-0258	31	22-28-9313	42377-0276
14	22-28-9142	42377-0224	32	22-28-9322	42377-0242	14	22-28-9143	42377-0259	32	22-28-9323	42377-0277
15	22-28-9152	42377-0225	33	22-28-9332	42377-0243	15	22-28-9153	42377-0260	33	22-28-9333	42377-0278
16	22-28-9162	42377-0226	34	22-28-9342	42377-0244	16	22-28-9163	42377-0261	34	22-28-9343	42377-0279
17	22-28-9172	42377-0227	35	22-28-9352	42377-0245	17	22-28-9173	42377-0262	35	22-28-9353	42377-0280
18	22-28-9182	42377-0228	36	22-28-9362	42377-0246	18	22-28-9183	42377-0263	36	22-28-9363	42377-0281
19	22-28-9192	42377-0229				19	22-28-9193	42377-0264			

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

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ A-42377-0282 / 0316						✓ A-42377-0317 / 0351					
HEADER NUMBER:		42312-0036				HEADER NUMBER:		42312-0036			
PIN NUMBER:		42663-AZB228				PIN NUMBER:		42663-BSB228			
PIN LENGTH: L		.550/13.97				PIN LENGTH: L		.630/16.00			
MATING LENGTH: M		.244/6.20				MATING LENGTH: M		.324/8.23			
GOLD POINT: G		.140/3.56				GOLD POINT: G		.140/3.56			
PIN HEIGHT: Y		.070/1.78				PIN HEIGHT: Y		.070/1.78			
PC TAIL LENGTH: P		.120/3.05				PC TAIL LENGTH: P		.120/3.05			
TIN: T		.135/3.43				TIN: T		.135/3.43			
CKTS:		2-36				CKTS:		2-36			
KINKS:		NONE				KINKS:		NONE			
REMOVED BACKWALLS:		NONE				REMOVED BACKWALLS:		NONE			
VOIDED CKTS:		NONE				VOIDED CKTS:		NONE			
PACKAGING:		BULK PK-40873-0041				PACKAGING:		BULK PK-40873-0041			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-8024	42377-0282	20	22-28-8204	42377-0300	02	22-28-8025	42377-0317	20	22-28-8205	42377-0335
03	22-28-8034	42377-0283	21	22-28-8214	42377-0301	03	22-28-8035	42377-0318	21	22-28-8215	42377-0336
04	22-28-8044	42377-0284	22	22-28-8224	42377-0302	04	22-28-8045	42377-0319	22	22-28-8225	42377-0337
05	22-28-8054	42377-0285	23	22-28-8234	42377-0303	05	22-28-8055	42377-0320	23	22-28-8235	42377-0338
06	22-28-8064	42377-0286	24	22-28-8244	42377-0304	06	22-28-8065	42377-0321	24	22-28-8245	42377-0339
07	22-28-8074	42377-0287	25	22-28-8254	42377-0305	07	22-28-8075	42377-0322	25	22-28-8255	42377-0340
08	22-28-8084	42377-0288	26	22-28-8264	42377-0306	08	22-28-8085	42377-0323	26	22-28-8265	42377-0341
09	22-28-8094	42377-0289	27	22-28-8274	42377-0307	09	22-28-8095	42377-0324	27	22-28-8275	42377-0342
10	22-28-8104	42377-0290	28	22-28-8284	42377-0308	10	22-28-8105	42377-0325	28	22-28-8285	42377-0343
11	22-28-8114	42377-0291	29	22-28-8294	42377-0309	11	22-28-8115	42377-0326	29	22-28-8295	42377-0344
12	22-28-8124	42377-0292	30	22-28-8304	42377-0310	12	22-28-8125	42377-0327	30	22-28-8305	42377-0345
13	22-28-8134	42377-0293	31	22-28-8314	42377-0311	13	22-28-8135	42377-0328	31	22-28-8315	42377-0346
14	22-28-8144	42377-0294	32	22-28-8324	42377-0312	14	22-28-8145	42377-0329	32	22-28-8325	42377-0347
15	22-28-8154	42377-0295	33	22-28-8334	42377-0313	15	22-28-8155	42377-0330	33	22-28-8335	42377-0348
16	22-28-8164	42377-0296	34	22-28-8344	42377-0314	16	22-28-8165	42377-0331	34	22-28-8345	42377-0349
17	22-28-8174	42377-0297	35	22-28-8354	42377-0315	17	22-28-8175	42377-0332	35	22-28-8355	42377-0350
18	22-28-8184	42377-0298	36	22-28-8364	42377-0316	18	22-28-8185	42377-0333	36	22-28-8365	42377-0351
19	22-28-8194	42377-0299				19	22-28-8195	42377-0334			

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

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ A-42377-0352/0386						✓ A-42377-0387/0421					
HEADER NUMBER:		42312-0036				HEADER NUMBER:		42312-0036			
PIN NUMBER:		42663-BCB228				PIN NUMBER:		42663-BXB228			
PIN LENGTH: L		.565/14.35				PIN LENGTH: L		.630/16.00			
MATING LENGTH: M		.244/6.20				MATING LENGTH: M		.324/8.23			
GOLD POINT: G		.100/2.54				GOLD POINT: G		.140/3.56			
PIN HEIGHT: Y		.070/1.78				PIN HEIGHT: Y		.070/1.78			
PC TAIL LENGTH: P		.135/3.43				PC TAIL LENGTH: P		.135/3.43			
TIN: T		.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-40873-0041				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	22-28-9024	42377-0352	20	22-28-9204	42377-0370	02	22-28-9025	42377-0387	20	22-28-9205	42377-0405
03	22-28-9034	42377-0353	21	22-28-9214	42377-0371	03	22-28-9035	42377-0388	21	22-28-9215	42377-0406
04	22-28-9044	42377-0354	22	22-28-9224	42377-0372	04	22-28-9045	42377-0389	22	22-28-9225	42377-0407
05	22-28-9054	42377-0355	23	22-28-9234	42377-0373	05	22-28-9055	42377-0390	23	22-28-9235	42377-0408
06	22-28-9064	42377-0356	24	22-28-9244	42377-0374	06	22-28-9065	42377-0391	24	22-28-9245	42377-0409
07	22-28-9074	42377-0357	25	22-28-9254	42377-0375	07	22-28-9075	42377-0392	25	22-28-9255	42377-0410
08	22-28-9084	42377-0358	26	22-28-9264	42377-0376	08	22-28-9085	42377-0393	26	22-28-9265	42377-0411
09	22-28-9094	42377-0359	27	22-28-9274	42377-0377	09	22-28-9095	42377-0394	27	22-28-9275	42377-0412
10	22-28-9104	42377-0360	28	22-28-9284	42377-0378	10	22-28-9105	42377-0395	28	22-28-9285	42377-0413
11	22-28-9114	42377-0361	29	22-28-9294	42377-0379	11	22-28-9115	42377-0396	29	22-28-9295	42377-0414
12	22-28-9124	42377-0362	30	22-28-9304	42377-0380	12	22-28-9125	42377-0397	30	22-28-9305	42377-0415
13	22-28-9134	42377-0363	31	22-28-9314	42377-0381	13	22-28-9135	42377-0398	31	22-28-9315	42377-0416
14	22-28-9144	42377-0364	32	22-28-9324	42377-0382	14	22-28-9145	42377-0399	32	22-28-9325	42377-0417
15	22-28-9154	42377-0365	33	22-28-9334	42377-0383	15	22-28-9155	42377-0400	33	22-28-9335	42377-0418
16	22-28-9164	42377-0366	34	22-28-9344	42377-0384	16	22-28-9165	42377-0401	34	22-28-9345	42377-0419
17	22-28-9174	42377-0367	35	22-28-9354	42377-0385	17	22-28-9175	42377-0402	35	22-28-9355	42377-0420
18	22-28-9184	42377-0368	36	22-28-9364	42377-0386	18	22-28-9185	42377-0403	36	22-28-9365	42377-0421
19	22-28-9194	42377-0369				19	22-28-9195	42377-0404			

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

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ A-42377-0504						
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						

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

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ 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														
REV:		ECR/ECN INFORMATION:				TITLE:						SHEET No.			
X1		EC No: UCP2009-0952				KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY						- 9 -			
		DATE: 10/31/2008													
DOCUMENT NUMBER:						CREATED / REVISED BY:				CHECKED BY:				APPROVED BY:	
SD- 42377-001						MKIPPER				JBELL				FSMITH	
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC															

✓ 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																		
REV:				ECR/ECN INFORMATION:				KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY				SHEET No.							
X1				EC No:								UCP2009-0952				- 10 -			
				DATE:								10/31/2008							
DOCUMENT NUMBER:								CREATED / REVISED BY:				CHECKED BY:				APPROVED BY:			
SD- 42377-001								MKIPPER				JBELL				FSMITH			
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																			

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

✓ A-42377-0928 / 0962																			
HEADER NUMBER:				42312-0036															
PIN NUMBER:				42663-DHB208															
PIN LENGTH: L				.800/20.32															
MATING LENGTH: M				.317/8.05															
GOLD POINT: G				.180/4.57															
PIN HEIGHT: Y				.070/1.78															
PC TAIL LENGTH: P				.290/7.37															
TIN: T				.135/3.43															
CKTS:				2-36															
KINKS:				NONE															
REMOVED BACKWALLS:				NONE															
VOIDED CKTS:				NONE															
PACKAGING:				BULK PK-40873-0043															
CKTS	MATERIAL NUMBER			CKTS	MATERIAL NUMBER														
02	42377-0928			20	42377-0946														
03	42377-0929			21	42377-0947														
04	42377-0930			22	42377-0948														
05	42377-0931			23	42377-0949														
06	42377-0932			24	42377-0950														
07	42377-0933			25	42377-0951														
08	42377-0934			26	42377-0952														
09	42377-0935			27	42377-0953														
10	42377-0936			28	42377-0954														
11	42377-0937			29	42377-0955														
12	42377-0938			30	42377-0956														
13	42377-0939			31	42377-0957														
14	42377-0940			32	42377-0958														
15	42377-0941			33	42377-0959														
16	42377-0942			34	42377-0960														
17	42377-0943			35	42377-0961														
18	42377-0944			36	42377-0962														
19	42377-0945																		
REV:				ECR/ECN INFORMATION:				KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY				<u>SHEET No.</u> - 11 -							
X1				EC No:												UCP2009-0952			
				DATE:												10/31/2008			
DOCUMENT NUMBER:								CREATED / REVISED BY:				CHECKED BY:				APPROVED BY:			
SD- 42377-001								MKIPPER				JBELL				FSMITH			
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																			

✓ 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		

✓ 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			CKTS	MATERIAL NUMBER			CKTS	MATERIAL NUMBER		
02				20	42377-1015			02	42377-1032			20	42377-1050		
03	42377-0998			21	42377-1016			03	42377-1033			21	42377-1051		
04	42377-0999			22	42377-1017			04	42377-1034			22	42377-1052		
05	42377-1000			23	42377-1018			05	42377-1035			23	42377-1053		
06	42377-1001			24	42377-1019			06	42377-1036			24	42377-1054		
07	42377-1002			25	42377-1020			07	42377-1037			25	42377-1055		
08	42377-1003			26	42377-1021			08	42377-1038			26	42377-1056		
09	42377-1004			27	42377-1022			09	42377-1039			27	42377-1057		
10	42377-1005			28	42377-1023			10	42377-1040			28	42377-1058		
11	42377-1006			29	42377-1024			11	42377-1041			29	42377-1059		
12	42377-1007			30	42377-1025			12	42377-1042			30	42377-1060		
13	42377-1008			31	42377-1026			13	42377-1043			31	42377-1061		
14	42377-1009			32	42377-1027			14	42377-1044			32	42377-1062		
15	42377-1010			33	42377-1028			15	42377-1045			33	42377-1063		
16	42377-1011			34	42377-1029			16	42377-1046			34	42377-1064		
17	42377-1012			35	42377-1030			17	42377-1047			35	42377-1065		
18	42377-1013			36	42377-1031			18	42377-1048			36	42377-1066		
19	42377-1014							19	42377-1049						
REV:		<u>ECR/ECN INFORMATION:</u>				<u>TITLE:</u>						<u>SHEET No.</u>			
X1		<u>EC No:</u> UCP2009-0952 <u>DATE:</u> 10/31/2008				KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY						- 12 -			
<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-42377-1101/1130				A-42377-1131/1165			
HEADER NUMBER:		42312-0036		HEADER NUMBER:		42312-0036	
PIN NUMBER:		42663-BSA154		PIN NUMBER:		42663-ARB208	
PIN LENGTH: L		.630/16.00		PIN LENGTH: L		.520/13.21	
MATING LENGTH: M		.324/8.23		MATING LENGTH: M		.230/5.84	
GOLD POINT: G		N/A		GOLD POINT: G		.140/3.56	
PIN HEIGHT: Y		.070/1.78		PIN HEIGHT: Y		.070/1.78	
PC TAIL LENGTH: P		.120/3.05		PC TAIL LENGTH: P		.093/2.36	
TIN: T		OVERALL		TIN: T		.135/3.43	
CKTS:		2-36		CKTS:		2-36	
KINKS:		NONE		KINKS:		NONE	
REMOVED BACKWALLS:		NONE		REMOVED BACKWALLS:		NONE	
VOIDED CKTS:		7		VOIDED CKTS:		NONE	
PACKAGING:		BULK PK-40873-0041		PACKAGING:		BULK PK-40873-0041	
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER
02		20	42377-1114	02	42377-1131	20	42377-1149
03		21	42377-1115	03	42377-1132	21	42377-1150
04		22	42377-1116	04	42377-1133	22	42377-1151
05		23	42377-1117	05	42377-1134	23	42377-1152
06		24	42377-1118	06	42377-1135	24	42377-1153
07	42377-1101	25	42377-1119	07	42377-1136	25	42377-1154
08	42377-1102	26	42377-1120	08	42377-1137	26	42377-1155
09	42377-1103	27	42377-1121	09	42377-1138	27	42377-1156
10	42377-1104	28	42377-1122	10	42377-1139	28	42377-1157
11	42377-1105	29	42377-1123	11	42377-1140	29	42377-1158
12	42377-1106	30	42377-1124	12	42377-1141	30	42377-1159
13	42377-1107	31	42377-1125	13	42377-1142	31	42377-1160
14	42377-1108	32	42377-1126	14	42377-1143	32	42377-1161
15	42377-1109	33	42377-1127	15	42377-1144	33	42377-1162
16	42377-1110	34	42377-1128	16	42377-1145	34	42377-1163
17	42377-1111	35	42377-1129	17	42377-1146	35	42377-1164
18	42377-1112	36	42377-1130	18	42377-1147	36	42377-1165
19	42377-1113			19	42377-1148		

REV:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
X1	EC No:	KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY		- 13 -
	DATE:			
	UCP2009-0952			
	10/31/2008			

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42377-001	MKIPPER	JBELL	FSMITH

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

A-42377-1166/1200			
HEADER NUMBER:		42312-0036	
PIN NUMBER:		42663-BKA154	
PIN LENGTH: L		.600/15.24	
MATING LENGTH: M		.320/8.13	
GOLD POINT: G		N/A	
PIN HEIGHT: Y		.070/1.78	
PC TAIL LENGTH: P		.093/2.36	
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	42377-1166	20	42377-1184
03	42377-1167	21	42377-1185
04	42377-1168	22	42377-1186
05	42377-1169	23	42377-1187
06	42377-1170	24	42377-1188
07	42377-1171	25	42377-1189
08	42377-1172	26	42377-1190
09	42377-1173	27	42377-1191
10	42377-1174	28	42377-1192
11	42377-1175	29	42377-1193
12	42377-1176	30	42377-1194
13	42377-1177	31	42377-1195
14	42377-1178	32	42377-1196
15	42377-1179	33	42377-1197
16	42377-1180	34	42377-1198
17	42377-1181	35	42377-1199
18	42377-1182	36	42377-1200
19	42377-1183		
REV:		TITLE:	
X1	ECR/ECN INFORMATION:		KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY
	EC No: UCP2009-0952		
	DATE: 10/31/2008		
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:
SD- 42377-001		MKIPPER	JBELL
		APPROVED BY:	
		FSMITH	
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC			

A-42377-1201/1234			
HEADER NUMBER:		42312-0036	
PIN NUMBER:		42663-BKA154	
PIN LENGTH: L		.600/15.24	
MATING LENGTH: M		.320/8.13	
GOLD POINT: G		N/A	
PIN HEIGHT: Y		.070/1.78	
PC TAIL LENGTH: P		.093/2.36	
TIN: T		OVERALL	
CKTS:		3-36	
KINKS:		NONE	
REMOVED BACKWALLS:		NONE	
VOIDED CKTS:		2	
PACKAGING:		BULK PK-40873-0041	
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER
02		20	42377-1218
03	42377-1201	21	42377-1219
04	42377-1202	22	42377-1220
05	42377-1203	23	42377-1221
06	42377-1204	24	42377-1222
07	42377-1205	25	42377-1223
08	42377-1206	26	42377-1224
09	42377-1207	27	42377-1225
10	42377-1208	28	42377-1226
11	42377-1209	29	42377-1227
12	42377-1210	30	42377-1228
13	42377-1211	31	42377-1229
14	42377-1212	32	42377-1230
15	42377-1213	33	42377-1231
16	42377-1214	34	42377-1232
17	42377-1215	35	42377-1233
18	42377-1216	36	42377-1234
19	42377-1217		

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

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	- 15 -
	DATE: 10/31/2008		
<u>DOCUMENT NUMBER:</u>		<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>
SD- 42377-001		MKIPPER	JBELL
		<u>APPROVED BY:</u>	
		FSMITH	

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

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

REV:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
X1	EC No:	KK 100 HEADER ASSEMBLY		- 16 -
	DATE:	FLAT RIGHT ANGLE BREAKAWAY		
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42377-001		MKIPPER	JBELL	FSMITH

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ 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			

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

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC

✓ 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			

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	- 18 -
	DATE: 10/31/2008		
<u>DOCUMENT NUMBER:</u>		<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>
SD- 42377-001		MKIPPER	JBELL
		<u>APPROVED BY:</u>	
		FSMITH	

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC