

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0416610001](#)
Status: **Active**
Description: 3.96mm (.156") Pitch KK® Header, Breakaway, Vertical, 2 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

Documents:

3D Model	Product Specification PS-08-50 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

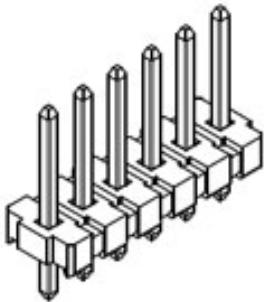
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	41661
Application	Board-to-Board, Wire-to-Board
Product Name	KK®

Physical

Breakaway	Yes
Circuits (Loaded)	2
Circuits (maximum)	2
Circuits Detail	2
Color - Resin	Black
Durability (mating cycles max)	50
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	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.172 In
PC Tail Length (mm)	4.37 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.156 In
Pitch - Mating Interface (mm)	3.96 mm
Pitch - Term. Interface (in)	0.156 In
Pitch - Term. Interface (mm)	3.96 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
**Halogen-Free
Status**

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

[41661Series](#)

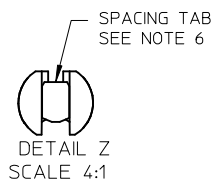
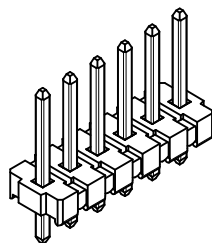
Mates With

[2139](#) KK® Crimp Housing, [41695](#) KK®
Crimp Housing, [6442](#) KK® Crimp Housing,
[7674](#) KK® Crimp Housing, [7675](#) KK® IDT
Solder Connectors, [2145](#) PCB Connector,
[41815](#) PCB Connector

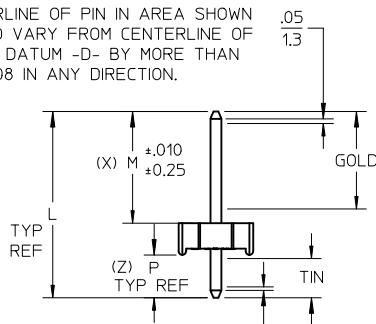
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	7A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235
Material Info	
Old Part Number	A-41661-B02A208
Reference - Drawing Numbers	
Product Specification	PS-08-50
Sales Drawing	SD-41661-001

This document was generated on 04/19/2010

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CENTERLINE OF PIN IN AREA SHOWN
NOT TO VARY FROM CENTERLINE OF
PIN AT DATUM -D- BY MORE THAN
0.20/0.08 IN ANY DIRECTION.



CENTERLINE OF PIN IN AREA SHOWN
NOT TO VARY FROM CENTERLINE OF
PIN AT DATUM -D- BY MORE THAN
0.13/0.05 IN ANY DIRECTION.

NOTES:

1. MATERIAL: HEADER: GLASS FILLED POLYESTER, 94V-0, MOLDED BLACK.

2. FINISH:

(102) OVERALL TIN: 0.00508/0.00200 MIN OVER COPPER

(222) OVERALL MATTE TIN: 0.00254/0.00100 MIN OVER 0.00127/0.00050 MIN NICKEL

(208) SELECT GOLD: 0.00038/0.00015 MIN,

SELECT TIN: 0.00254/0.00100 MIN,

OVERALL NICKEL UNDERPLATE: 0.00127/0.00050 MIN.

(228) SELECT GOLD: 0.00076/0.00030 MIN,

SELECT TIN: 0.00254/0.00100 MIN,

OVERALL NICKEL UNDERPLATE: 0.00127/0.00050 MIN.

(501) OVERALL GOLD: 0.00051/0.00020 MIN OVER 0.00076/0.00030 MIN NICKEL

3. THIS PART CONFORMS TO PRODUCT SPEC PS-08-50.

4. PACKAGING: SEE CHARTS.

5. SOLDERABILITY: SEE SMES 152.

6. PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS.

(SPACING TABS MUST BE REMOVED ON CIRCUIT SIZES 2 THRU 23 BEFORE
PARTS ARE STACKABLE.)

7. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION
PS-45499-002.

8. PIN PUSH-OUT FORCE: PRIOR TO SOLDERING, A 3 LB MINIMUM FORCE (IN
EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.

A-41661- * N * * - *

PACKAGING & OPTIONS

NO. OF CKTS.

VOID CODE

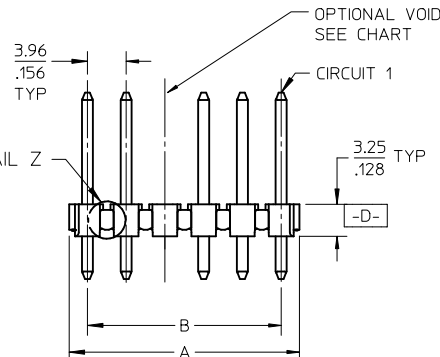
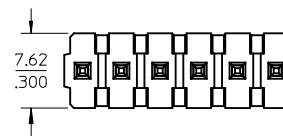
BLANK=NO VOIDS

NO=CKT NO. VOIDED

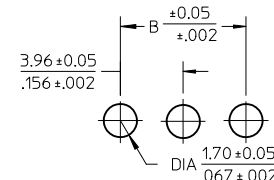
MULT. VOIDS START WITH #51

PLATING CODE

PIN DIMENSIONS



B	A	CKT SIZE
3.96/.156	6.78-7.87 / .267-.310	2
7.92/.312	10.74-11.84 / .423-.466	3
11.89/.468	14.71-15.80 / .579-.622	4
15.85/.624	18.67-19.76 / .735-.778	5
19.81/.780	22.63-23.72 / .891-.934	6
23.77/.936	26.59-27.69 / 1.047-1.090	7
27.74/1.092	30.56-31.65 / 1.203-1.246	8
31.70/1.248	34.52-35.61 / 1.359-1.402	9
35.66/1.404	38.48-39.57 / 1.515-1.558	10
39.62/1.560	42.44-43.54 / 1.671-1.714	11
43.59/1.716	46.41-47.50 / 1.827-1.870	12
47.55/1.872	50.37-51.46 / 1.983-2.026	13
51.51/2.028	54.33-55.42 / 2.139-2.182	14
55.47/2.184	58.29-59.39 / 2.295-2.338	15
59.44/2.340	62.26-63.35 / 2.451-2.494	16
63.40/2.496	66.22-67.31 / 2.607-2.650	17
67.36/2.652	70.18-71.27 / 2.763-2.806	18
71.32/2.808	74.14-75.23 / 2.919-2.962	19
75.29/2.964	78.11-79.20 / 3.075-3.118	20
79.25/3.120	82.07-83.16 / 3.231-3.274	21
83.21/3.276	86.03-87.12 / 3.387-3.430	22
87.17/3.432	89.94-91.08 / 3.541-3.586	23
91.14/3.588	93.85-95.00 / 3.695-3.740	24



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS:
1.57±.18/.062±.007

DRAWING FORMAT	SHEETS	REV LEVEL
GENERAL DOCS.	2-*	BD1
ANNOTATOR	1	

ADD 41661-0642 EC NO: UCP2010-1384 DRAWN:MKIPPER 2010/02/03 CHKD:SSOUSEK 2010/02/09 APPR:FSMITH 2010/02/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM/IN		2:1	INCH		
			DRAWN BY DATE		TITLE KK .156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS			
			CHECKED BY DATE					
			APPROVED BY DATE					
DESCRIPTION	▽=0	mm INCH	MARGOLIS 2004/03/04		MOLEX MOLEX INCORPORATED		SHEET NO. 1 OF *	
	▽=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2°	MATERIAL NO.		DOCUMENT NO.			
	▽=0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		SD-41661-001			
REV			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
BD1			B					

PIN NUMBER		2161-1(102)		PIN NUMBER		CONTINUED		PIN NUMBER		43294-0236		PIN NUMBER		43294-0237			
PIN LENGTH		19.0/.750		PIN LENGTH				PIN LENGTH		19.0/.750		PIN LENGTH		19.0/.750			
PLATING		102		PLATING		FROM		PLATING		208		PLATING		228			
MATING “M”		11.43/.450		MATING “M”				MATING “M”		11.43/.450		MATING “M”		11.43/.450			
PCB “P”		4.37/.172		PCB “P”		LAST		PCB “P”		4.37/.172		PCB “P”		4.37/.172			
GOLD “G”		N/A		GOLD “G”				GOLD “G”		6.86 / .270		GOLD “G”		6.86/.270			
TIN “T”		OVERALL		TIN “T”		COLUMN		TIN “T”		4.06/.160		TIN “T”		4.06/.160			
PACKAGING		PK-41661-001		PACKAGING				PACKAGING		PK-41661-001		PACKAGING		PK-41661-001			
STATUS				STATUS				STATUS				STATUS					
A-41661-ANA102-*				A-41661-ANA102-*				A-41661-BNA208-*				A-41661-BNA228-*					
MATERIAL		ENGINEERING		VOIDS		MATERIAL		ENGINEERING		VOIDS		MATERIAL		ENGINEERING		VOIDS	
26-48-1021		-A2A102				26-50-3092		-A9A102-7		7		41661-0001		-B02A208			
26-48-1031		-A3A102				26-50-3201		-A20A102-3		3		41661-0002		-B03A208			
26-48-1041		-A4A102				26-50-3164		-A16A102-52		2, 15		41661-0003		-B04A208			
26-48-1051		-A5A102				41661-2004		-A6A102-4		4		41661-0004		-B05A208			
26-48-1061		-A6A102				41661-2005		-A4A102-51		2,3		41661-0005		-B06A208			
26-48-1071		-A7A102				41661-2006		-A5A102-3		3		41661-0006		-B07A208			
26-48-1081		-A8A102				26-50-3039		-A3A102-2		2		41661-0007		-B08A208			
26-48-1091		-A9A102				26-50-3049		-A4A102-2		2		41661-0008		-B09A208			
26-48-1101		-A10A102				26-50-3059		-A5A102-2		2		41661-0009		-B10A208			
26-48-1111		-A11A102				26-50-3069		-A6A102-2		2		41661-0010		-B11A208			
26-48-1121		-A12A102				26-50-3074		-A7A102-2		2		41661-0011		-B12A208			
26-48-1131		-A13A102				26-50-3089		-A8A102-2		2		41661-0012		-B13A208			
26-48-1141		-A14A102				26-50-3099		-A9A102-2		2		41661-0013		-B14A208			
26-48-1151		-A15A102				26-50-3104		-A10A102-2		2		41661-0014		-B15A208			
26-48-1161		-A16A102				26-50-3119		-A11A102-2		2		41661-0015		-B16A208			
26-48-1171		-A17A102				26-50-3129		-A12A102-2		2		41661-0016		-B17A208			
26-48-1181		-A18A102				26-50-3139		-A13A102-2		2		41661-0017		-B18A208			
26-48-1191		-A19A102				26-50-3149		-A14A102-2		2		41661-0018		-B19A208			
26-48-1201		-A20A102				26-50-3159		-A15A102-2		2		41661-0019		-B20A208			
26-48-1211		-A21A102				26-50-3169		-A16A102-2		2		41661-0020		-B21A208			
26-48-1221		-A22A102				26-50-3179		-A17A102-2		2		41661-0021		-B22A208			
26-48-1231		-A23A102				26-50-3189		-A18A102-2		2		41661-0022		-B23A208			
26-48-1241		-A24A102				26-50-3199		-A19A102-2		2		41661-0023		-B24A208			
26-48-1178		-A17A102-3		3		26-50-3209		-A20A102-2		2							
26-48-1138		-A13A102-3		3		50-29-1687		-A07A102-4		4							
26-50-3105		-A10A102-4		4		50-29-1612		-A15A102-7		7							

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 2 -
DATE: 2/10/2010			
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH

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26-48-1020	-A2AE102		26-48-7021	-A2C102		26-48-5023	-A2D501		26-58-4020	-A2E102																																																																									
26-48-1030	-A3AE102		26-48-7031	-A3C102		41661-0093	-A3D501		26-58-4030	-A3E102																																																																									
26-48-1040	-A4AE102		26-48-7041	-A4C102		41661-0094	-A4D501		26-58-4040	-A4E102																																																																									
26-48-1050	-A5AE102		26-48-7051	-A5C102		41661-0095	-A5D501		26-58-4050	-A5E102																																																																									
26-48-1060	-A6AE102		26-48-7061	-A6C102		41661-0096	-A6D501		26-58-4060	-A6E102																																																																									
26-48-1070	-A7AE102		26-48-7071	-A7C102		41661-0097	-A7D501		26-58-4070	-A7E102																																																																									
26-48-1080	-A8AE102		26-48-7081	-A8C102		26-48-5083	-A8D501		26-58-4080	-A8E102																																																																									
26-48-1090	-A9AE102		26-48-7091	-A9C102		41661-0098	-A9D501		26-58-4090	-A9E102																																																																									
26-48-1100	-A10AE102		26-48-7101	-A10C102		41661-0099	-A10D501		26-58-4100	-A10E102																																																																									
26-48-1110	-A11AE102		26-48-7111	-A11C102		41661-0100	-A11D501		26-58-4110	-A11E102																																																																									
26-48-1120	-A12AE102		26-48-7121	-A12C102		26-48-5123	-A12D501		26-58-4120	-A12E102																																																																									
26-48-1130	-A13AE102		26-48-7131	-A13C102		41661-0101	-A13D501		26-58-4130	-A13E102																																																																									
26-48-1140	-A14AE102		26-48-7141	-A14C102		41661-0102	-A14D501		26-58-4140	-A14E102																																																																									
26-48-1150	-A15AE102		26-48-7151	-A15C102		41661-0103	-A15D501		26-58-4150	-A15E102																																																																									
26-48-1160	-A16AE102		26-48-7161	-A16C102		41661-0104	-A16D501		26-58-4160	-A16E102																																																																									
26-48-1170	-A17AE102		26-48-7171	-A17C102		41661-0105	-A17D501		26-58-4170	-A17E102																																																																									
26-48-1180	-A18AE102		26-48-7181	-A18C102		41661-0106	-A18D501		26-58-4180	-A18E102																																																																									
26-48-1190	-A19AE102		26-48-7191	-A19C102		41661-0107	-A19D501		26-58-4190	-A19E102																																																																									
26-48-1200	-A20AE102		26-48-7201	-A20C102		41661-0108	-A20D501		26-58-4200	-A20E102																																																																									
26-48-1210	-A21AE102		26-48-7211	-A21C102		41661-0109	-A21D501		26-58-4210	-A21E102																																																																									
26-48-1220	-A22AE102		26-48-7221	-A22C102		41661-0110	-A22D501		26-58-4220	-A22E102																																																																									
26-48-1230	-A23AE102		26-48-7231	-A23C102		41661-0111	-A23D501		26-58-4230	-A23E102																																																																									
26-48-1240	-A24AE102		26-48-7241	-A24C102		41661-0112	-A24D501		26-58-4240	-A24E102																																																																									

REV: BD1	<u>ECR/ECN INFORMATION:</u> <u>EC No.:</u> UCP2010-1384 <u>DATE:</u> 2/10/2010	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	<u>SHEET No.</u> - 3 -
<u>DOCUMENT NUMBER:</u> SD- 41661 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> SSOUSEK
		<u>APPROVED BY:</u> FSMITH	

PIN NUMBER	2161-21(102)		PIN NUMBER	2161-36(501)		PIN NUMBER	2161-95(102)		PIN NUMBER	2161-7(102)	
PIN LENGTH	28.58/1.125		PIN LENGTH	30.48/1.200		PIN LENGTH	37.24/1.468		PIN LENGTH	34.67/1.562	
PLATING	102		PLATING	501		PLATING	102		PLATING	102	
MATING “M”	20.96/.825		MATING “M”	24.21/.953		MATING “M”	13.97/.550		MATING “M”	33.40/1.315	
PCB “P”	4.37/.172		PCB “P”	3.02/.119		PCB “P”	20.07/.790		PCB “P”	3.10/.122	
GOLD “G”	N/A		GOLD “G”	OVERALL		GOLD “G”	N/A		GOLD “G”	N/A	
TIN “T”	OVERALL		TIN “T”	N/A		TIN “T”	OVERALL		TIN “T”	OVERALL	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-ANF102-*			A-41661-ANE501-*			A-41661-ANH102-*			A-41661-ANL102-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
26-48-4021	-A2F102		41661-0127	-A2E501		41661-0146	-A2H102		26-48-9021	-A2L102	
26-48-4031	-A3F102		41661-0128	-A3E501		41661-0147	-A3H102		26-48-9031	-A3L102	
26-48-4041	-A4F102		41661-0129	-A4E501		41661-0148	-A4H102		41661-0167	-A4L102	
41661-0113	-A5F102		41661-0130	-A5E501		41661-0149	-A5H102		26-48-9051	-A5L102	
26-48-4061	-A6F102		41661-0131	-A6E501		26-48-8061	-A6H102		26-48-9061	-A6L102	
41661-0114	-A7F102		41661-0132	-A7E501		41661-0150	-A7H102		26-48-9071	-A7L102	
26-48-4081	-A8F102		26-48-3081	-A8E501		41661-0151	-A8H102		41661-0168	-A8L102	
41661-0115	-A9F102		41661-0133	-A9E501		41661-0152	-A9H102		41661-0169	-A9L102	
26-48-4101	-A10F102		41661-0134	-A10E501		41661-0153	-A10H102		41661-0170	-A10L102	
26-48-4111	-A11F102		41661-0135	-A11E501		41661-0154	-A11H102		41661-0171	-A11L102	
41661-0116	-A12F102		26-48-3121	-A12E501		41661-0155	-A12H102		41661-0172	-A12L102	
41661-0117	-A13F102		26-48-3131	-A13E501		26-48-8131	-A13H102		41661-0173	-A13L102	
41661-0118	-A14F102		41661-0136	-A14E501		41661-0156	-A14H102		41661-0174	-A14L102	
26-48-4151	-A15F102		41661-0137	-A15E501		41661-0157	-A15H102		41661-0175	-A15L102	
41661-0119	-A16F102		41661-0138	-A16E501		41661-0158	-A16H102		41661-0176	-A16L102	
41661-0120	-A17F102		41661-0139	-A17E501		41661-0159	-A17H102		41661-0177	-A17L102	
41661-0121	-A18F102		41661-0140	-A18E501		41661-0160	-A18H102		41661-0178	-A18L102	
41661-0122	-A19F102		41661-0141	-A19E501		41661-0161	-A19H102		41661-0179	-A19L102	
41661-0123	-A20F102		41661-0142	-A20E501		41661-0162	-A20H102		41661-0180	-A20L102	
41661-0124	-A21F102		41661-0143	-A21E501		41661-0163	-A21H102		41661-0181	-A21L102	
41661-0125	-A22F102		41661-0144	-A22E501		41661-0164	-A22H102		41661-0182	-A22L102	
41661-0126	-A23F102		41661-0145	-A23E501		41661-0165	-A23H102		41661-0183	-A23L102	
26-48-4241	-A24F102		26-48-3241	-A24E501		41661-0166	-A24H102		26-48-9241	-A24L102	

REV: BD1	ECR/ECN INFORMATION: EC No.: UCP2010-1384 DATE: 2/10/2010	TITLE: KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	SHEET No. - 4 -
DOCUMENT NUMBER: SD- 41661 -001	CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK	APPROVED BY: FSMITH

PIN NUMBER2161-36(102)			PIN NUMBER2161-7(102)			PIN NUMBER2161-36(102)			PIN NUMBER2161-3(501)		
PIN LENGTH30.48/1.200			PIN LENGTH39.67/1.562			PIN LENGTH30.48/1.200			PIN LENGTH23.80/.937		
PLATING102			PLATING102			PLATING102			PLATING501		
MATING “M”22.61/.890			MATING “M”32.61/1.284			MATING “M”13.44/.531			MATING “M”16.18/.637		
PCB “P”4.62/.182			PCB “P”3.81/.150			PCB “P”13.74/.541			PCB “P”4.37/.172		
GOLD “G”N/A			GOLD “G”N/A			GOLD “G”N/A			GOLD “G”OVERALL		
TIN “T”OVERALL			TIN “T”OVERALL			TIN “T”OVERALL			TIN “T”N/A		
PACKAGINGPK-41661-001			PACKAGINGPK-41661-001			PACKAGINGPK-41661-001			PACKAGINGPK-41661-001		
STATUS			STATUS			STATUS			STATUS		
A-41661-ANM102-*			A-41661-ANN102-*			A-41661-ANR102-*			41661-ANC501-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
26-58-4022	-A2M102		41661-0200	-A2N102		26-48-4022	-A2R102		41661-0219	-A2C501	
41661-0184	-A3M102		41661-0201	-A3N102		26-48-4032	-A3R102		41661-0220	-A3C501	
26-58-4042	-A4M102		41661-0202	-A4N102		26-48-4042	-A4R102		41661-0221	-A4C501	
26-58-4052	-A5M102		41661-0203	-A5N102		26-48-4052	-A5R102		41661-0222	-A5C501	
41661-0186	-A6M102		26-58-0062	-A6N102		26-48-4062	-A6R102		26-48-5064	-A6C501	
26-58-4072	-A7M102		41661-0204	-A7N102		26-48-4072	-A7R102		41661-0223	-A7C501	
41661-0187	-A8M102		41661-0205	-A8N102		26-48-4082	-A8R102		41661-0224	-A8C501	
26-58-4092	-A9M102		26-58-0092	-A9N102		26-48-4092	-A9R102		41661-0225	-A9C501	
26-58-4102	-A10M102		26-58-0102	-A10N102		26-48-4102	-A10R102		26-48-5104	-A10C501	
41661-0188	-A11M102		41661-0206	-A11N102		26-48-4112	-A11R102		41661-0226	-A11C501	
26-58-4122	-A12M102		41661-0207	-A12N102		26-48-4122	-A12R102		41661-0227	-A12C501	
41661-0189	-A13M102		41661-0208	-A13N102		26-48-4132	-A13R102		41661-0228	-A13C501	
41661-0190	-A14M102		41661-0209	-A14N102		26-48-4142	-A14R102		41661-0229	-A14C501	
26-58-4152	-A15M102		41661-0210	-A15N102		26-48-4152	-A15R102		41661-0230	-A15C501	
26-58-4162	-A16M102		41661-0211	-A16N102		26-48-4162	-A16R102		41661-0231	-A16C501	
41661-0192	-A17M102		41661-0212	-A17N102		26-48-4172	-A17R102		41661-0232	-A17C501	
41661-0193	-A18M102		41661-0213	-A18N102		26-48-4182	-A18R102		41661-0233	-A18C501	
41661-0194	-A19M102		41661-0214	-A19N102		26-48-4192	-A19R102		41661-0234	-A19C501	
41661-0195	-A20M102		41661-0215	-A20N102		26-48-4202	-A20R102		41661-0235	-A20C501	
41661-0196	-A21M102		41661-0216	-A21N102		26-48-4212	-A21R102		41661-0236	-A21C501	
41661-0197	-A22M102		41661-0217	-A22N102		26-48-4222	-A22R102		41661-0237	-A22C501	
41661-0198	-A23M102		41661-0218	-A23N102		26-48-4232	-A23R102		41661-0238	-A23C501	
41661-0199	-A24M102		26-58-0242	-A24N102		26-48-4242	-A24R102		26-48-5244	-A24C501	
						26-50-4055	-A5R102-4	4			

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 5 -
	DATE: 2/10/2010		
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH

PIN NUMBER	2161-22(102)		PIN NUMBER	2161-19(102)		PIN NUMBER	2161-22(102)		PIN NUMBER	2161-38(102)	
PIN LENGTH	31.75/1.250		PIN LENGTH	26.21/1.032		PIN LENGTH	31.75/1.250		PIN LENGTH	38.10/1.500	
PLATING	102		PLATING	102		PLATING	102		PLATING	102	
MATING “M”	25.70/1.012		MATING “M”	19.48/.767		MATING “M”	18.34/.722		MATING “M”	31.80/1.252	
PCB “P”	2.79/.110		PCB “P”	3.56/.140		PCB “P”	10.16/.400		PCB “P”	3.05/.120	
GOLD “G”	N/A		GOLD “G”	N/A		GOLD “G”	N/A		GOLD “G”	N/A	
TIN “T”	OVERALL		TIN “T”	OVERALL		TIN “T”	OVERALL		TIN “T”	OVERALL	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-ANW102-*			A-41661-ANY102-*			A-41661-ANZ102-*			A-41661-ANAA102-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
41661-0239	-A2W102		41661-0259	-A2Y102		41661-0274	-A2Z102		41661-0294	-A2AA102	
41661-0240	-A3W102		26-58-0030	-A3Y102		41661-0275	-A3Z102		41661-0295	-A3AA102	
26-58-0045	-A4W102		26-58-0040	-A4Y102		41661-0276	-A4Z102		41661-0296	-A4AA102	
41661-0241	-A5W102		41661-0260	-A5Y102		41661-0277	-A5Z102		41661-0297	-A5AA102	
41661-0242	-A6W102		26-58-0060	-A6Y102		26-58-0061	-A6Z102		41661-0298	-A6AA102	
41661-0243	-A7W102		26-58-0070	-A7Y102		41661-0278	-A7Z102		41661-0299	-A7AA102	
41661-0244	-A8W102		41661-0261	-A8Y102		41661-0279	-A8Z102		26-58-0083	-A8AA102	
41661-0245	-A9W102		26-58-0090	-A9Y102		41661-0280	-A9Z102		41661-0300	-A9AA102	
26-58-0105	-A10W102		26-58-0100	-A10Y102		41661-0281	-A10Z102		41661-0301	-A10AA102	
41661-0246	-A11W102		26-58-0110	-A11Y102		41661-0282	-A11Z102		41661-0302	-A11AA102	
41661-0247	-A12W102		41661-0262	-A12Y102		26-58-0121	-A12Z102		41661-0303	-A12AA102	
41661-0248	-A13W102		41661-0263	-A13Y102		41661-0283	-A13Z102		41661-0304	-A13AA102	
41661-0249	-A14W102		41661-0264	-A14Y102		41661-0284	-A14Z102		41661-0305	-A14AA102	
41661-0250	-A15W102		41661-0265	-A15Y102		41661-0285	-A15Z102		41661-0306	-A15AA102	
41661-0251	-A16W102		41661-0266	-A16Y102		41661-0286	-A16Z102		41661-0307	-A16AA102	
41661-0252	-A17W102		41661-0267	-A17Y102		41661-0287	-A17Z102		26-58-0173	-A17AA102	
41661-0253	-A18W102		41661-0268	-A18Y102		41661-0288	-A18Z102		41661-0308	-A18AA102	
41661-0254	-A19W102		41661-0269	-A19Y102		41661-0289	-A19Z102		41661-0309	-A19AA102	
41661-0255	-A20W102		41661-0270	-A20Y102		41661-0290	-A20Z102		41661-0310	-A20AA102	
41661-0256	-A21W102		41661-0271	-A21Y102		41661-0291	-A21Z102		41661-0311	-A21AA102	
41661-0257	-A22W102		41661-0272	-A22Y102		41661-0292	-A22Z102		41661-0312	-A22AA102	
41661-0258	-A23W102		41661-0273	-A23Y102		41661-0293	-A23Z102		41661-0313	-A23AA102	
26-58-0245	-A24W102		26-58-0240	-A24Y102		26-58-0241	-A24Z102		41661-0314	-A24AA102	

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 6 -
DATE: 2/10/2010			
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH

PIN NUMBER			2161-45(102)			PIN NUMBER			2161-45(501)			PIN NUMBER			2161-40(102)			PIN NUMBER			2161-21(501)		
PIN LENGTH			20.85/.821			PIN LENGTH			20.85/.821			PIN LENGTH			48.26/1.900			PIN LENGTH			28.58/1.125		
PLATING			102			PLATING			501			PLATING			102			PLATING			501		
MATING “M”			13.23/.521			MATING “M”			13.23/.501			MATING “M”			43.18/1.700			MATING “M”			22.53/.887 REF		
PCB “P”			4.37/1.172			PCB “P”			4.37/1.172			PCB “P”			1.83/.072			PCB “P”			2.79+- .51/1.110+- .020		
GOLD “G”			N/A			GOLD “G”			OVERALL			GOLD “G”			N/A			GOLD “G”			OVERALL		
TIN “T”			OVERALL			TIN “T”			N/A			TIN “T”			OVERALL			TIN “T”			N/A		
PACKAGING			PK-41661-001			PACKAGING			PK-41661-001			PACKAGING			PK-41661-001			PACKAGING			PK-41661-001		
STATUS						STATUS						STATUS						STATUS					
A-41661-ANB102-*						A-41661-ANB501-*						A-41661-ANAW102-*						A-41661-ANV501-*					
MATERIAL		ENGINEERING		VOIDS		MATERIAL		ENGINEERING		VOIDS		MATERIAL		ENGINEERING		VOIDS		MATERIAL		ENGINEERING		VOIDS	
26-48-6021		-A2B102				26-48-5021		-A2B501				26-58-5024		-A2AW102				41661-0315		-A2V501			
26-48-6031		-A3B102				26-48-5031		-A3B501				26-58-5034		-A3AW102				41661-0316		-A3V501			
26-48-6041		-A4B102				26-48-5041		-A4B501				26-58-5044		-A4AW102				41661-0317		-A4V501			
26-48-6051		-A5B102				26-48-5051		-A5B501				26-58-5054		-A5AW102				41661-0318		-A5V501			
26-48-6061		-A6B102				26-48-5061		-A6B501				26-58-5064		-A6AW102				26-48-5068		-A6V501			
26-48-6071		-A7B102				26-48-5071		-A7B501				26-58-5074		-A7AW102				41661-0319		-A7V501			
26-48-6081		-A8B102				26-48-5081		-A8B501				26-58-5084		-A8AW102				26-48-5088		-A8V501			
26-48-6091		-A9B102				26-48-5091		-A9B501				26-58-5094		-A9AW102				41661-0320		-A9V501			
26-48-6101		-A10B102				26-48-5101		-A10B501				26-58-5104		-A10AW102				41661-0321		-A10V501			
26-48-6111		-A11B102				26-48-5111		-A11B501				26-58-5114		-A11AW102				41661-0322		-A11V501			
26-48-6121		-A12B102				26-48-5121		-A12B501				26-58-5124		-A12AW102				41661-0323		-A12V501			
26-48-6131		-A13B102				26-48-5131		-A13B501				26-58-5134		-A13AW102				41661-0324		-A13V501			
26-48-6141		-A14B102				26-48-5141		-A14B501				26-58-5144		-A14AW102				41661-0325		-A14V501			
26-48-6151		-A15B102				26-48-5151		-A15B501				26-58-5154		-A15AW102				41661-0326		-A15V501			
26-48-6161		-A16B102				26-48-5161		-A16B501				26-58-5164		-A16AW102				41661-0327		-A16V501			
26-48-6171		-A17B102				26-48-5171		-A17B501				26-58-5174		-A17AW102				41661-0328		-A17V501			
26-48-6181		-A18B102				26-48-5181		-A18B501				26-58-5184		-A18AW102				41661-0329		-A18V501			
26-48-6191		-A19B102				26-48-5191		-A19B501				26-58-5194		-A19AW102				41661-0330		-A19V501			
26-48-6201		-A20B102				26-48-5201		-A20B501				26-58-5204		-A20AW102				41661-0331		-A20V501			
26-48-6211		-A21B102				26-48-5211		-A21B501				26-58-5214		-A21AW102				41661-0332		-A21V501			
26-48-6221		-A22B102				26-48-5221		-A22B501				26-58-5224		-A22AW102				41661-0333		-A22V501			
26-48-6231		-A23B102				26-48-5231		-A23B501				26-58-5234		-A23AW102				41661-0334		-A23V501			
26-48-6241		-A24B102				26-48-5241		-A24B501				26-58-5244		-A24AW102				41661-0335		-A24V501			

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 7 -
	DATE: 2/10/2010		
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH

PIN NUMBER	2161-5(501)		PIN NUMBER	2161-16(102)		PIN NUMBER	2161-21(102)		PIN NUMBER	2161-15(102)	
PIN LENGTH	34.93/1.375		PIN LENGTH	25.40/1.000		PIN LENGTH	28.57/1.125		PIN LENGTH	15.88/.625	
PLATING	501		PLATING	102		PLATING	102		PLATING	102	
MATING “M”	27.18/1.070		MATING “M”	18.26/.719		MATING “M”	22.15/.872		MATING “M”	8.81/.347	
PCB “P”	4.50/.177		PCB “P”	3.89/.153		PCB “P”	3.18/.125		PCB “P”	3.81/.150	
GOLD “G”	OVERALL		GOLD “G”	N/A		GOLD “G”	N/A		GOLD “G”	N/A	
TIN “T”	N/A		TIN “T”	OVERALL		TIN “T”	OVERALL		TIN “T”	OVERALL	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-ANAN501-*			A-41661-AND102-*			A-41661-ANBA102-*			A-41661-ANBC102-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
26-58-4026	-A2AN501		41661-0336	-A2D102		26-48-4025	-A2BA102		26-48-3023	-A2BC102	
26-58-4036	-A3AN501		41661-0337	-A3D102		26-48-4035	-A3BA102		26-48-3033	-A3BC102	
26-58-4046	-A4AN501		41661-0338	-A4D102		26-48-4045	-A4BA102		26-48-3043	-A4BC102	
26-58-4056	-A5AN501		26-48-9052	-A5D102		26-48-4055	-A5BA102		26-48-3053	-A5BC102	
26-58-4066	-A6AN501		41661-0339	-A6D102		26-48-4065	-A6BA102		26-48-3063	-A6BC102	
26-58-4076	-A7AN501		41661-0340	-A7D102		26-48-4075	-A7BA102		26-48-3073	-A7BC102	
26-58-4086	-A8AN501		26-48-9082	-A8D102		26-48-4085	-A8BA102		26-48-3083	-A8BC102	
26-58-4096	-A9AN501		41661-0341	-A9D102		26-48-4095	-A9BA102		26-48-3093	-A9BC102	
26-58-4106	-A10AN501		41661-0342	-A10D102		26-48-4105	-A10BA102		26-48-3103	-A10BC102	
26-58-4116	-A11AN501		41661-0343	-A11D102		26-48-4115	-A11BA102		26-48-3113	-A11BC102	
26-58-4126	-A12AN501		41661-0344	-A12D102		26-48-4125	-A12BA102		26-48-3123	-A12BC102	
26-58-4136	-A13AN501		41661-0345	-A13D102		26-48-4135	-A13BA102		26-48-3133	-A13BC102	
26-58-4146	-A14AN501		41661-0346	-A14D102		26-48-4145	-A14BA102		26-48-3143	-A14BC102	
26-58-4156	-A15AN501		41661-0347	-A15D102		26-48-4155	-A15BA102		26-48-3153	-A15BC102	
26-58-4166	-A16AN501		41661-0348	-A16D102		26-48-4165	-A16BA102		26-48-3163	-A16BC102	
26-58-4176	-A17AN501		41661-0349	-A17D102		26-48-4175	-A17BA102		26-48-3173	-A17BC102	
26-58-4186	-A18AN501		41661-0350	-A18D102		26-48-4185	-A18BA102		26-48-3183	-A18BC102	
26-58-4196	-A19AN501		41661-0351	-A19D102		26-48-4195	-A19BA102		26-48-3193	-A19BC102	
26-58-4206	-A20AN501		41661-0352	-A20D102		26-48-4205	-A20BA102		26-48-3203	-A20BC102	
26-58-4216	-A21AN501		41661-0353	-A21D102		26-48-4215	-A21BA102		26-48-3213	-A21BC102	
26-58-4226	-A22AN501		41661-0354	-A22D102		26-48-4225	-A22BA102		26-48-3223	-A22BC102	
26-58-4236	-A23AN501		41661-0355	-A23D102		26-48-4235	-A23BA102		26-48-3233	-A23BC102	
26-58-4246	-A24AN501		26-48-9242	-A24D102		26-48-4245	-A24BA102		26-48-3243	-A24BC102	

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 8 -
DATE: 2/10/2010			
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH

PIN NUMBER	2161-65(501)		PIN NUMBER	2161-1(501)		PIN NUMBER	CONTINUED			PIN NUMBER	2161-37(102)		
PIN LENGTH	22.71/.894		PIN LENGTH	19.05/.750		PIN LENGTH				PIN LENGTH	27.94/1.100		
PLATING	501		PLATING	501		PLATING	FROM			PLATING	102		
MATING “M”	15.09/.594		MATING “M”	11.43/.450		MATING “M”				MATING “M”	12.34/.486		
PCB “P”	4.37/.172		PCB “P”	4.37/.172		PCB “P”	LAST			PCB “P”	12.34/.486		
GOLD “G”	OVERALL		GOLD “G”	OVERALL		GOLD “G”				GOLD “G”	N/A		
TIN “T”	N/A		TIN “T”	N/A		TIN “T”	COLUMN			TIN “T”	OVERALL		
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING				PACKAGING	PK-41661-001		
STATUS			STATUS			STATUS				STATUS			
A-41661-ANAE501-*			A-41661-ANA501-*			A-41661-ANA501-*			A-41661-ANCC102-*				
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS		
26-48-2020	-A2AE501		26-48-2021	-A2A501		26-49-7171	-A17A501-51	2,4,6,8,10,12,14,16	41661-0380	-A2CC102			
26-48-2030	-A3AE501		26-48-2031	-A3A501					41661-0381	-A3CC102			
26-48-2040	-A4AE501		26-48-2041	-A4A501					41661-0382	-A4CC102			
26-48-2050	-A5AE501		26-48-2051	-A5A501					41661-0383	-A5CC102			
26-48-2060	-A6AE501		26-48-2061	-A6A501					41661-0384	-A6CC102			
26-48-2070	-A7AE501		26-48-2071	-A7A501					41661-0385	-A7CC102			
26-48-2080	-A8AE501		26-48-2081	-A8A501					41661-0386	-A8CC102			
26-48-2090	-A9AE501		26-48-2091	-A9A501					41661-0387	-A9CC102			
26-48-2100	-A10AE501		26-48-2101	-A10A501					41661-0388	-A10CC102			
26-48-2110	-A11AE501		26-48-2111	-A11A501					41661-0389	-A11CC102			
26-48-2120	-A12AE501		26-48-2121	-A12A501					41661-0390	-A12CC102			
26-48-2130	-A13AE501		26-48-2131	-A13A501					41661-0391	-A13CC102			
26-48-2140	-A14AE501		26-48-2141	-A14A501					41661-0392	-A14CC102			
26-48-2150	-A15AE501		26-48-2151	-A15A501					41661-0393	-A15CC102			
26-48-2160	-A16AE501		26-48-2161	-A16A501					41661-0394	-A16CC102			
26-48-2170	-A17AE501		26-48-2171	-A17A501					41661-0395	-A17CC102			
26-48-2180	-A18AE501		26-48-2181	-A18A501					41661-0396	-A18CC102			
26-48-2190	-A19AE501		26-48-2191	-A19A501					41661-0397	-A19CC102			
26-48-2200	-A20AE501		26-48-2201	-A20A501					41661-0398	-A20CC102			
26-48-2210	-A21AE501		26-48-2211	-A21A501					41661-0399	-A21CC102			
26-48-2220	-A22AE501		26-48-2221	-A22A501					41661-0400	-A22CC102			
26-48-2230	-A23AE501		26-48-2231	-A23A501					41661-0401	-A23CC102			
26-48-2240	-A24AE501		26-48-2241	-A24A501					41661-0402	-A24CC102			

REV: BD1	ECR/ECN INFORMATION: EC No.: UCP2010-1384 DATE: 2/10/2010	TITLE: KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	SHEET No. - 9 -
DOCUMENT NUMBER: SD- 41661 -001		CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK
		APPROVED BY: FSMITH	

PIN NUMBER	43294-0362		PIN NUMBER	43294-0363		PIN NUMBER	43294-0587		PIN NUMBER	43294-0317	
PIN LENGTH	22.61/.890		PIN LENGTH	22.61/.890		PIN LENGTH	28.45/1.120		PIN LENGTH	21.34/.840	
PLATING	208		PLATING	228		PLATING	208		PLATING	208	
MATING “M”	15.09/.594		MATING “M”	15.09/.594		MATING “M”	22.15/.872		MATING “M”	13.97/.550	
PCB “P”	4.27/.168		PCB “P”	4.27/.168		PCB “P”	3.05/.120		PCB “P”	4.11/.162	
GOLD “G”	10.51/.415		GOLD “G”	10.51/.415		GOLD “G”	6.86/.270		GOLD “G”	8.89/.350	
TIN “T”	4.06/.160		TIN “T”	4.06/.160		TIN “T”	5.08/.200		TIN “T”	5.08/.200	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-BNCA208-*			A-41661-BNCA228-*			A-41661-BNCD208-*			A-41661-BNCE208-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
41661-0047	-B2CA208		41661-0070	-B2CA228		41661-0403	-B2CD208		41661-0426	-B2CE208	
41661-0048	-B3CA208		41661-0071	-B3CA228		41661-0404	-B3CD208		41661-0427	-B3CE208	
41661-0049	-B4CA208		41661-0072	-B4CA228		41661-0405	-B4CD208		41661-0428	-B4CE208	
41661-0050	-B5CA208		41661-0073	-B5CA228		41661-0406	-B5CD208		41661-0429	-B5CE208	
41661-0051	-B6CA208		41661-0074	-B6CA228		41661-0407	-B6CD208		41661-0430	-B6CE208	
41661-0052	-B7CA208		41661-0075	-B7CA228		41661-0408	-B7CD208		41661-0431	-B7CE208	
41661-0053	-B8CA208		41661-0076	-B8CA228		41661-0409	-B8CD208		41661-0432	-B8CE208	
41661-0054	-B9CA208		41661-0077	-B9CA228		41661-0410	-B9CD208		41661-0433	-B9CE208	
41661-0055	-B10CA208		41661-0078	-B10CA228		41661-0411	-B10CD208		41661-0434	-B10CE208	
41661-0056	-B11CA208		41661-0079	-B11CA228		41661-0412	-B11CD208		41661-0435	-B11CE208	
41661-0057	-B12CA208		41661-0080	-B12CA228		41661-0413	-B12CD208		41661-0436	-B12CE208	
41661-0058	-B13CA208		41661-0081	-B13CA228		41661-0414	-B13CD208		41661-0437	-B13CE208	
41661-0059	-B14CA208		41661-0082	-B14CA228		41661-0415	-B14CD208		41661-0438	-B14CE208	
41661-0060	-B15CA208		41661-0083	-B15CA228		41661-0416	-B15CD208		41661-0439	-B15CE208	
41661-0061	-B16CA208		41661-0084	-B16CA228		41661-0417	-B16CD208		41661-0440	-B16CE208	
41661-0062	-B17CA208		41661-0085	-B17CA228		41661-0418	-B17CD208		41661-0441	-B17CE208	
41661-0063	-B18CA208		41661-0086	-B18CA228		41661-0419	-B18CD208		41661-0442	-B18CE208	
41661-0064	-B19CA208		41661-0087	-B19CA228		41661-0420	-B19CD208		41661-0443	-B19CE208	
41661-0065	-B20CA208		41661-0088	-B20CA228		41661-0421	-B20CD208		41661-0444	-B20CE208	
41661-0066	-B21CA208		41661-0089	-B21CA228		41661-0422	-B21CD208		41661-0445	-B21CE208	
41661-0067	-B22CA208		41661-0090	-B22CA228		41661-0423	-B22CD208		41661-0446	-B22CE208	
41661-0068	-B23CA208		41661-0091	-B23CA228		41661-0424	-B23CD208		41661-0447	-B23CE208	
41661-0069	-B24CA208		41661-0092	-B24CA228		41661-0425	-B24CD208		41661-0448	-B24CE208	

REV: BD1	ECR/ECN INFORMATION: EC No.: UCP2010-1384 DATE: 2/10/2010	TITLE: KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	SHEET No. - 10 -
DOCUMENT NUMBER: SD- 41661 -001		CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK
		APPROVED BY: FSMITH	

PIN NUMBER	2161-4(102)		PIN NUMBER	2161-35(102)		PIN NUMBER	2161-3(102)		PIN NUMBER	2161-19(102)	
PIN LENGTH	12.70 / .500		PIN LENGTH	17.45 / .687		PIN LENGTH	23.80 / .937		PIN LENGTH	26.21 / 1.032	
PLATING	102		PLATING	102		PLATING	102		PLATING	102	
MATING “M”	5.89 / .232		MATING “M”	9.63 / .379		MATING “M”	17.02 / .670		MATING “M”	11.48 / .452	
PCB “P”	3.56 / .140		PCB “P”	4.57 / .180		PCB “P”	3.53 / .139		PCB “P”	11.48 / .452	
GOLD “G”	NA		GOLD “G”	NA		GOLD “G”	NA		GOLD “G”	N/A	
TIN “T”	OVERALL		TIN “T”	OVERALL		TIN “T”	OVERALL		TIN “T”	OVERALL	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-ANCF102-*			A-41661-ANCG102-*			A-41661-ANCH102-*			A-41661-ANCL102-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
41661-0449	-A02CF102		41661-0472	-A02CG102							
41661-0450	-A03CF102		41661-0473	-A03CG102							
41661-0451	-A04CF102		41661-0474	-A04CG102		41661-0497	A04CH102				
41661-0452	-A05CF102		41661-0475	-A05CG102							
41661-0453	-A06CF102		41661-0476	-A06CG102					41661-0522	-A06CL102	
41661-0454	-A07CF102		41661-0477	-A07CG102							
41661-0455	-A08CF102		41661-0478	-A08CG102							
41661-0456	-A09CF102		41661-0479	-A09CG102					41661-0525	-A09CL102	
41661-0457	-A10CF102		41661-0480	-A10CG102							
41661-0458	-A11CF102		41661-0481	-A11CG102							
41661-0459	-A12CF102		41661-0482	-A12CG102							
41661-0460	-A13CF102		41661-0483	-A13CG102							
41661-0461	-A14CF102		41661-0484	-A14CG102							
41661-0462	-A15CF102		41661-0485	-A15CG102							
41661-0463	-A16CF102		41661-0486	-A16CG102							
41661-0464	-A17CF102		41661-0487	-A17CG102							
41661-0465	-A18CF102		41661-0488	-A18CG102							
41661-0466	-A19CF102		41661-0489	-A19CG102							
41661-0467	-A20CF102		41661-0490	-A20CG102							
41661-0468	-A21CF102		41661-0491	-A21CG102							
41661-0469	-A22CF102		41661-0492	-A22CG102							
41661-0470	-A23CF102		41661-0493	-A23CG102							
41661-0471	-A24CF102		41661-0494	-A24CG102							

REV: BD1	ECR/ECN INFORMATION: EC No.: UCP2010-1384 DATE: 2/10/2010	TITLE: KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	SHEET No. - 11 -
DOCUMENT NUMBER: SD- 41661 -001		CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK
		APPROVED BY: FSMITH	

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

PIN NUMBER	43294-0236		PIN NUMBER	43294-0614		PIN NUMBER	2161-5(102)		PIN NUMBER	2161-64(102)	
PIN LENGTH	19.05 / .750		PIN LENGTH	29.21 / 1.150		PIN LENGTH	34.93 / 1.375		PIN LENGTH	29.85 / 1.175	
PLATING	208		PLATING	208		PLATING	102		PLATING	102	
MATING “M”	12.93 / .509		MATING “M”	21.21 / .835		MATING “M”	27.31 / 1.075		MATING “M”	24.38 / .960	
PCB “P”	2.87 / .113		PCB “P”	4.75 / .187		PCB “P”	4.37 / .172		PCB “P”	2.21 / .087	
GOLD “G”	6.86 / .270		GOLD “G”	6.86 / .270		GOLD “G”	N/A		GOLD “G”	N/A	
TIN “T”	4.06 / .160		TIN “T”	5.08 / .200		TIN “T”	OVERALL		TIN “T”	OVERALL	
PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001		PACKAGING	PK-41661-001	
STATUS			STATUS			STATUS			STATUS		
A-41661-BNB208-*			A-41661-BND208-*			A-41661-ANCM102-*			A-41661-ANCN102-*		
MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS	MATERIAL	ENGINEERING	VOIDS
	-B02B208			-B02D208							
	-B03B208			-B03D208							
	-B04B208		41661-0566	-B04D208							
	-B05B208			-B05D208							
	-B06B208			-B06D208							
	-B07B208			-B07D208							
	-B08B208			-B08D208							
	-B09B208			-B09D208							
41661-0549	-B10B208			-B10D208					41661-0621	-A10CN102	
	-B11B208			-B11D208							
41661-0551	-B12B208			-B12D208		41661-0600	-A12CM102				
	-B13B208			-B13D208							
	-B14B208			-B14D208							
	-B15B208			-B15D208							
	-B16B208			-B16D208							
	-B17B208			-B17D208							
	-B18B208			-B18D208							
	-B19B208			-B19D208							
	-B20B208			-B20D208							
	-B21B208			-B21D208							
	-B22B208			-B22D208							
	-B23B208			-B23D208							
	-B24B208			-B24D208							

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
BD1	EC No.: UCP2010-1384	KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS	- 12 -
DATE: 2/10/2010			
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41661 -001	MKIPPER	SSOUSEK	FSMITH
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC			

[illegible]

REV: BD1	<u>ECR/ECN INFORMATION:</u> <u>EC No.:</u> UCP2010-1384 <u>DATE:</u> 2/10/2010	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS			<u>SHEET No.</u> - 13 -
<u>DOCUMENT NUMBER:</u> SD- 41661 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> SSOUSEK	<u>APPROVED BY:</u> FSMITH	