

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

A-41672- * N * **

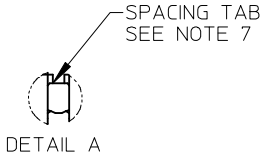
OPTION - PACKING
A=BRASS - BULK PACK
B=BRASS - TUBE PACK

NO OF CKTS

DIM M,L,P

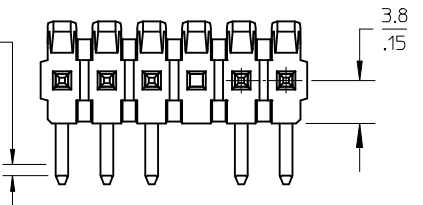
PLATING

VOID LOCATIONS
BLANK=NO VOIDS
NO=CKT NO VOIDED
MULT=VOIDS=51 UP

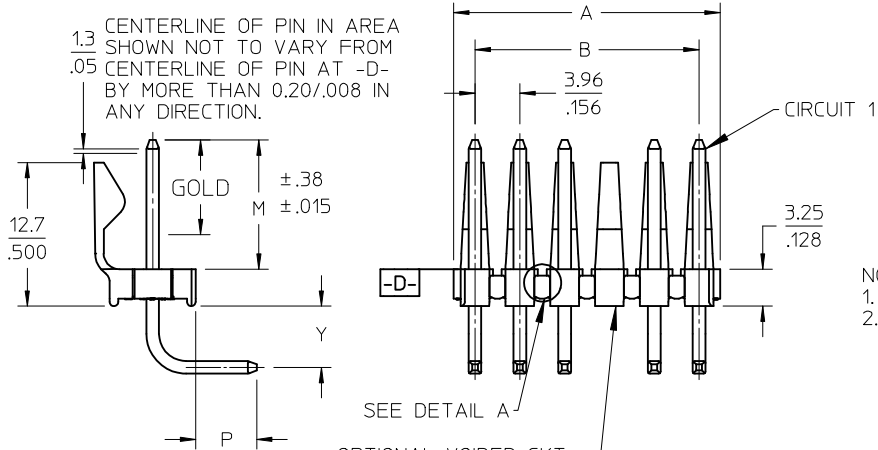


- NOTES:
1. MATERIAL: HEADER: POLYESTER, 94V-0, MOLDED BLACK
2. FINISH:
- (102) OVERALL TIN: 0.00508/.000200 MIN OVER
0.00254/.000100 MIN COPPER.
- (208) SELECT GOLD: 0.00038/.000015 MIN,
*SELECT TIN: 0.00254/.000100 MIN,
OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
- (228) SELECT GOLD: 0.00076/.000030 MIN,
*SELECT TIN: 0.00254/.000100 MIN,
OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
- (501) OVERALL GOLD: 0.00051/.000020 MIN OVER
0.00076/.000030 MIN NICKEL.
- (503) OVERALL GOLD: 0.00076/.000030 MIN OVER
0.00127/.000050 MIN NICKEL.
- *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-08-50.
4. PACKAGING INFORMATION: SEE TABLES
5. SOLDERABILITY: PER SMES-152.
6. 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.
7. PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS.(SPACING
TABS MUST BE REMOVED ON CIRCUIT SIZES 1-23 BEFORE PARTS
ARE STACKABLE.

CENTERLINE OF PIN IN AREA
SHOWN NOT TO VARY FROM
CENTERLINE OF PIN AT -D-
BY MORE THAN 0.13/.005 IN
ANY DIRECTION.

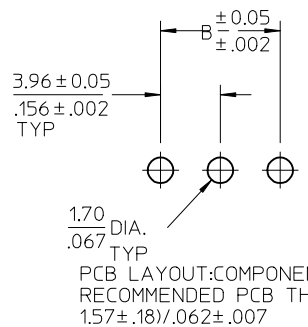


CENTERLINE OF PIN IN AREA
SHOWN NOT TO VARY FROM
CENTERLINE OF PIN AT -D-
BY MORE THAN 0.20/.008 IN
ANY DIRECTION.



SEE DETAIL A

OPTIONAL VOIDED CKT.
SEE CHART FOR LOCATIONS



2-*	AB3
1	AB3
SHEET	REV

ADD 41672-0227
EC NO: UCP2009-1261
DRWN:MKIPPER 2008/11/19
CHKD:SSOUSEK 2008/11/24
APPR:FSM TH 2008/11/24

DESCRIPTION

REV

QUALITY
SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM/IN	
DRAWN BY	DATE
JSCHAFFER	12-5-03
CHECKED BY	DATE
KSAMIEC	12-12-03
APPROVED BY	DATE
MARGULIS	12-16-03
MATERIAL NO.	
SEE CHART	
SIZE	A

SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE KK .156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO. SD-41672-001		SHEET NO. 1 OF *
THIS DRAWING THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	<table border="1"> <tr><td>Header No:</td><td>41186-A-AN</td></tr> <tr><td>Pin No:</td><td>2161-37(102)</td></tr> <tr><td>Pin Length L</td><td>1.100 / 27.90</td></tr> <tr><td>Mating M</td><td>.450 / 11.43</td></tr> <tr><td>Gold:</td><td>NA</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.212 / 5.38</td></tr> <tr><td>Tin:</td><td>OVERALL</td></tr> <tr><td>Pack Per</td><td>PK-41672-001</td></tr> </table>	Header No:	41186-A-AN	Pin No:	2161-37(102)	Pin Length L	1.100 / 27.90	Mating M	.450 / 11.43	Gold:	NA	Bend Height: Y	.213 / 5.41	PC Tail P	.212 / 5.38	Tin:	OVERALL	Pack Per	PK-41672-001	<table border="1"> <tr><td>Header No:</td><td>41186-A-AN</td></tr> <tr><td>Pin No:</td><td>43294-0569</td></tr> <tr><td>Pin Length L</td><td>1.100 / 27.90</td></tr> <tr><td>Mating M</td><td>.450 / 11.43</td></tr> <tr><td>Gold:</td><td>.270 / 6.86</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.212 / 5.38</td></tr> <tr><td>Tin:</td><td>.200 / 5.08</td></tr> <tr><td>Pack Per</td><td>PK-41672-001</td></tr> </table>	Header No:	41186-A-AN	Pin No:	43294-0569	Pin Length L	1.100 / 27.90	Mating M	.450 / 11.43	Gold:	.270 / 6.86	Bend Height: Y	.213 / 5.41	PC Tail P	.212 / 5.38	Tin:	.200 / 5.08	Pack Per	PK-41672-001	<table border="1"> <tr><td>Header No:</td><td>41186-A-AN</td></tr> <tr><td>Pin No:</td><td>43294-0570</td></tr> <tr><td>Pin Length L</td><td>1.100 / 27.90</td></tr> <tr><td>Mating M</td><td>.450 / 11.43</td></tr> <tr><td>Gold:</td><td>.270 / 6.86</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.212 / 5.38</td></tr> <tr><td>Tin:</td><td>.200 / 5.08</td></tr> <tr><td>Pack Per</td><td>PK-41672-001</td></tr> </table>	Header No:	41186-A-AN	Pin No:	43294-0570	Pin Length L	1.100 / 27.90	Mating M	.450 / 11.43	Gold:	.270 / 6.86	Bend Height: Y	.213 / 5.41	PC Tail P	.212 / 5.38	Tin:	.200 / 5.08	Pack Per	PK-41672-001	<table border="1"> <tr><td>Header No:</td><td>41186-A-AN</td></tr> <tr><td>Pin No:</td><td>2161-37(501)</td></tr> <tr><td>Pin Length L</td><td>1.100 / 27.90</td></tr> <tr><td>Mating M</td><td>.450 / 11.43</td></tr> <tr><td>Gold:</td><td>OVERALL</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.212 / 5.38</td></tr> <tr><td>Tin:</td><td>NA</td></tr> <tr><td>Pack Per</td><td>PK-41672-001</td></tr> </table>	Header No:	41186-A-AN	Pin No:	2161-37(501)	Pin Length L	1.100 / 27.90	Mating M	.450 / 11.43	Gold:	OVERALL	Bend Height: Y	.213 / 5.41	PC Tail P	.212 / 5.38	Tin:	NA	Pack Per	PK-41672-001																																																																																																																								
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Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number																																																																				
2	026582021	A-41672-A02C102	41672-0069	A-41672-A02A122	41672-0088	A-41672-A02A503	026486024	A-41672-A02B102																																																																				
3	41672-0050	A-41672-A03C102	026582030	A-41672-A03A122	41672-0089	A-41672-A03A503	026486034	A-41672-A03B102																																																																				
4	026582041	A-41672-A04C102	026582040	A-41672-A04A122	41672-0090	A-41672-A04A503	026486044	A-41672-A04B102																																																																				
5	41672-0051	A-41672-A05C102	41672-0070	A-41672-A05A122	41672-0091	A-41672-A05A503	026486054	A-41672-A05B102																																																																				
6	41672-0052	A-41672-A06C102	026582060	A-41672-A06A122	41672-0092	A-41672-A06A503	026486064	A-41672-A06B102																																																																				
7	41672-0053	A-41672-A07C102	026582070	A-41672-A07A122	41672-0093	A-41672-A07A503	026486074	A-41672-A07B102																																																																				
8	026582081	A-41672-A08C102	41672-0071	A-41672-A08A122	41672-0094	A-41672-A08A503	026486084	A-41672-A08B102																																																																				
9	41672-0054	A-41672-A09C102	41672-0072	A-41672-A09A122	41672-0095	A-41672-A09A503	026486094	A-41672-A09B102																																																																				
10	41672-0055	A-41672-A10C102	41672-0073	A-41672-A10A122	026586101	A-41672-A10A503	026486104	A-41672-A10B102																																																																				
11	41672-0056	A-41672-A11C102	41672-0074	A-41672-A11A122	41672-0096	A-41672-A11A503	026486114	A-41672-A11B102																																																																				
12	41672-0057	A-41672-A12C102	41672-0075	A-41672-A12A122	026586121	A-41672-A12A503	026486124	A-41672-A12B102																																																																				
13	41672-0058	A-41672-A13C102	41672-0076	A-41672-A13A122	41672-0097	A-41672-A13A503	026486134	A-41672-A13B102																																																																				
14	41672-0059	A-41672-A14C102	41672-0077	A-41672-A14A122	41672-0098	A-41672-A14A503	026486144	A-41672-A14B102																																																																				
15	41672-0060	A-41672-A15C102	41672-0078	A-41672-A15A122	41672-0099	A-41672-A15A503	026486154	A-41672-A15B102																																																																				
16	41672-0061	A-41672-A16C102	41672-0079	A-41672-A16A122	41672-0100	A-41672-A16A503	026486164	A-41672-A16B102																																																																				
17	41672-0062	A-41672-A17C102	41672-0080	A-41672-A17A122	41672-0101	A-41672-A17A503	026486174	A-41672-A17B102																																																																				
18	41672-0063	A-41672-A18C102	41672-0081	A-41672-A18A122	41672-0102	A-41672-A18A503	026486184	A-41672-A18B102																																																																				
19	41672-0064	A-41672-A19C102	41672-0082	A-41672-A19A122	41672-0103	A-41672-A19A503	026486194	A-41672-A19B102																																																																				
20	41672-0065	A-41672-A20C102	41672-0083	A-41672-A20A122	41672-0104	A-41672-A20A503	026486204	A-41672-A20B102																																																																				
21	41672-0066	A-41672-A21C102	41672-0084	A-41672-A21A122	41672-0105	A-41672-A21A503	026486214	A-41672-A21B102																																																																				
22	41672-0067	A-41672-A22C102	41672-0085	A-41672-A22A122	026586221	A-41672-A22A503	026486224	A-41672-A22B102																																																																				
23	41672-0068	A-41672-A23C102	41672-0086	A-41672-A23A122	41672-0106	A-41672-A23A503	026486234	A-41672-A23B102																																																																				
24	026582241	A-41672-A24C102	41672-0087	A-41672-A24A122	41672-0107	A-41672-A24A503	026486244	A-41672-A24B102																																																																				

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
AB3	EC No.: UCP2009-1261	KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE	- 3 -
	DATE: 11/24/2008		
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:
SD- 41672 -001		MKIPPER	SSOUSEK
		APPROVED BY:	
		FSMITH	

Header No:	41186-A-AN
Pin No:	2161-52(102)
Pin Length L	1.063 / 27.00
Mating M	.450 / 11.43
Gold:	NA
Bend Height: Y	.213 / 5.41
PC Tail P	.172 / 4.69
Tin:	OVERALL
Pack Per	PK-41672-001

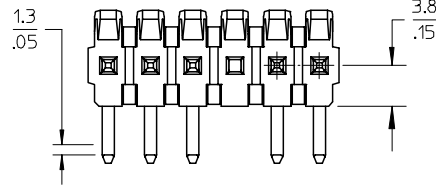
Ckts	Material No	Engineer Number
2	41672-0176	A-41672-A02G102
3	41672-0177	A-41672-A03G102
4	41672-0178	A-41672-A04G102
5	41672-0179	A-41672-A05G102
6	41672-0180	A-41672-A06G102
7	41672-0181	A-41672-A07G102
8	41672-0182	A-41672-A08G102
9	41672-0183	A-41672-A09G102
10	41672-0184	A-41672-A10G102
11	41672-0185	A-41672-A11G102
12	41672-0186	A-41672-A12G102
13	41672-0187	A-41672-A13G102
14	41672-0188	A-41672-A14G102
15	41672-0189	A-41672-A15G102
16	41672-0190	A-41672-A16G102
17	41672-0191	A-41672-A17G102
18	41672-0192	A-41672-A18G102
19	41672-0193	A-41672-A19G102
20	41672-0194	A-41672-A20G102
21	41672-0195	A-41672-A21G102
22	41672-0196	A-41672-A22G102
23	41672-0197	A-41672-A23G102
24	41672-0198	A-41672-A24G102

REV: AB3	<u>ECR/ECN INFORMATION:</u> 	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICITION LOCK BREAKAWAY RIGHT ANGLE			<u>SHEET No.</u>
	<u>EC No.:</u> UCP2009-1261				- 5 -
	<u>DATE:</u> 11/24/2008				
<u>DOCUMENT NUMBER:</u> SD- 41672 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> SSOUSEK	<u>APPROVED BY:</u> FSMITH	

[illegible]

REV: AB3	<u>ECR/ECN INFORMATION:</u> 	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICION LOCK BREAKAWAY RIGHT ANGLE			<u>SHEET No.</u>
	<u>EC No.:</u> UCP2009-1261				- 8 -
	<u>DATE:</u> 11/24/2008				
<u>DOCUMENT NUMBER:</u> SD- 41672 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> SSOUSEK	<u>APPROVED BY:</u> FSMITH	

CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT -D- BY MORE THAN 0.13/.005 IN ANY DIRECTION.



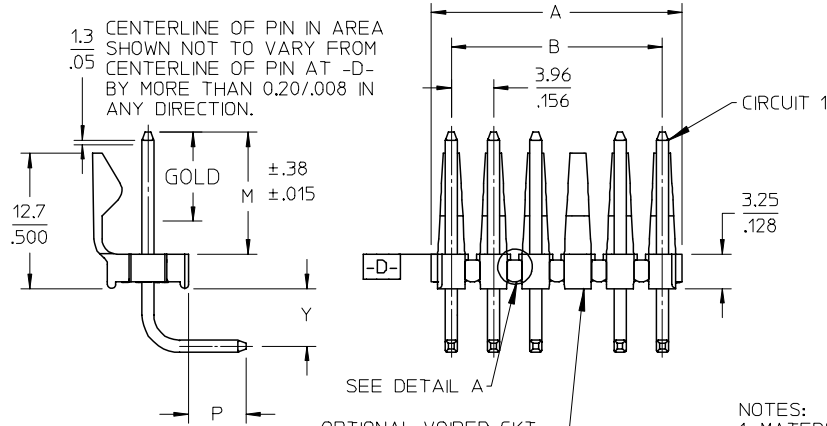
A-41681- * N * *-
OPTION - PACKING
A=BRASS - BULK PACK
B=BRASS - TUBE PACK
NO OF CKTS
DIM M.L.P
PLATING

VOID LOCATIONS
BLANK=NO VOIDS
NO=CKT NO VOIDED
MULT-VOIDS=51 UP

SPACING TAB
SEE NOTE 7

DETAIL A

CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT -D- BY MORE THAN 0.20/.008 IN ANY DIRECTION.



OPTIONAL VOIDED CKT.
SEE CHART FOR LOCATIONS

NOTES:

1. MATERIAL: HEADER: POLYESTER, 94V-0, MOLDED BLACK
2. FINISH:
(228) SELECT GOLD: 0.00076/.00030 MIN.
*SELECT TIN: 0.00254/.000100 MIN.
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-08-50.
4. PACKAGING INFORMATION: SEE CHARTS
5. SOLDERABILITY: PER SMES-152.
6. 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.
7. PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS.(SPACING TABS MUST BE REMOVED ON CIRCUIT SIZES 1-23 BEFORE PARTS ARE STACKABLE.

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

1.70 DIA.
.067 TYP
PCB LAYOUT:COMPONENT SIDE
RECOMMENDED PCB THICKNESS:
(1.57±.18)/.062±.007

ADD DIMENSION	EC NO: UCP2006-2296	2006/04/27	2006/04/28	2006/04/28
DRWN:PRIDDER	CHKD:ADERR	APPR:FSMITH		
DESCRIPTION				
REV				

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM/IN	
DRAWN BY	DATE
JSCHAFFER	12-5-03
CHECKED BY	DATE
KSAMIEC	12-12-03
APPROVED BY	DATE
MARGULIS	12-16-03
MATERIAL NO.	
SEE CHART	
SIZE	
A	

SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE		
KK .156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE (LEAD-FREE)		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-41672-002		1 OF *
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	Header No:	41186-A-AN	Header No:		Header No:		Header No:	
	Pin No:	43294-0570	Pin No:		Pin No:		Pin No:	
	Pin Length L	1.100 / 27.90	Pin Length L		Pin Length L		Pin Length L	
	Mating M	.450 / 11.43	Mating M		Mating M		Mating M	
	Gold:	.270 / 6.86	Gold:		Gold:		Gold:	
	Bend Height: Y	.213 / 5.41	Bend Height: Y		Bend Height: Y		Bend Height: Y	
	PC Tail P	.212 / 5.38	PC Tail P		PC Tail P		PC Tail P	
	Tin:	.200 / 5.08	Tin:		Tin:		Tin:	
	Pack Per	PK-41672-001	Pack Per		Pack Per		Pack Per	
Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2								
3								
4								
5								
6	50-29-1898	A-41672-B06A228						
7								
8								
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11								
12								
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14								
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19								
20								
21								
22								
23								
24								

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.	
A1	EC No.: UCP2006-1776	KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE (LEAD-FREE)	- 2 -	
	DATE: 4/11/2006			
	DOCUMENT NUMBER:			CREATED / REVISED BY:
	SD- 41672 -002	ADERR	SSOUSEK	FSMITH

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