

6

5

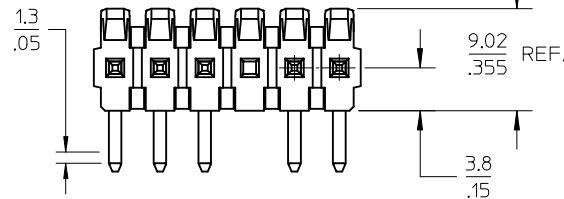
4

3

2

1

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



OPTION - PACKING

B= 43294 PIN- BULK PACK

NO OF CKTS

DIM M.L.P

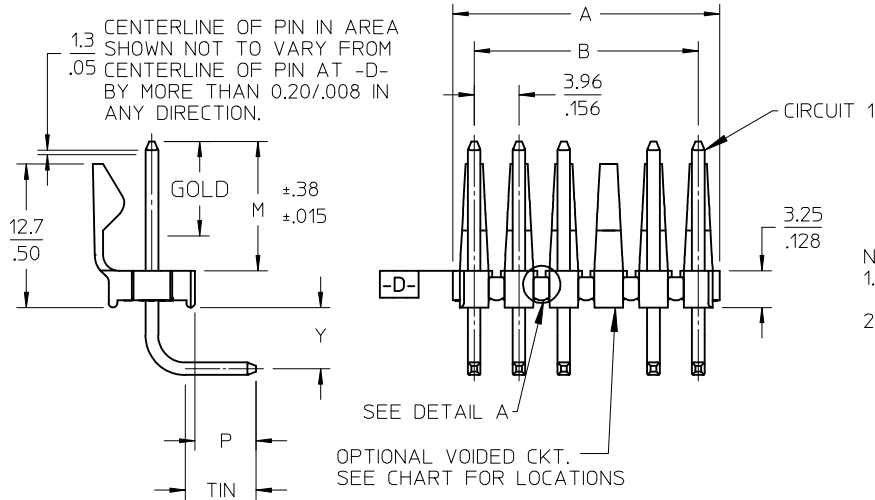
PLATING

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

SPACING TAB
SEE NOTE 7

DETAIL A

1.3
.05 CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT -D- BY MORE THAN 0.20/.008 IN ANY DIRECTION.



NOTES:

1. MATERIAL: HEADER: POLYESTER, 94V-0, MOLDED BLACK
PIN: BRASS

2. FINISH:

- (154) OVERALL TIN: 0.00254/.000100 MIN OVER
0.00127/.000050 MIN NICKEL.
(197) OVERALL RELOWED MATTE TIN: 0.00152/.000060 MIN.
OVER 0.00127/.000050 MIN. NICKEL OVERALL.
(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.
(241) SELECT GOLD: 0.00051/.000020 MIN,
SELECT TIN: 0.00254/.000100 MIN,
OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.

3. PRODUCT SPECIFICATION: PS-08-50.

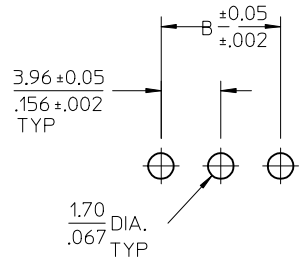
4. PACKAGING INFORMATION: SEE TABLES

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.

8. PARTS WILL CONFORM TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.



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

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

2-*	AC2
1	AC2
SHEET	REV

ADD 41672-0229	2013/08/19
EC NO: UCP2014-0803	2013/08/19
DRWN:MKIPPER	2013/08/19
CHKD:ANDERSON	2013/08/22
APPR:FSM TH	2013/08/22
AC2	REV

QUALITY SYMBOLS
▽ F = 0
▽ E = 0
▽ P = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±
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	DESIGN UNITS
2:1	INCH
TITLE	
KK .156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE	
DOCUMENT NO.	
SD-41672-001	

THIRD ANGLE PROJECTION	
molex	
SHEET NO.	
1 OF *	

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2	026481026	A-41672-B02A197	41672-0001	A-41672-B02A208	41672-0024	A-41672-B02A228	026482026	A-41672-B02A241																																																																															
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23	026481236	A-41672-B23A197	41672-0022	A-41672-B23A208	41672-0045	A-41672-B23A228	026482236	A-41672-B23A241																																																																															
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REV:	<u>ECR/ECN INFORMATION:</u>		<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICITION LOCK BREAKAWAY RIGHT ANGLE	<u>SHEET No.</u> - 2 -
	<u>EC No.:</u> UCP2014-0803			
	<u>DATE:</u> 8/23/2013			
<u>DOCUMENT NUMBER:</u> SD- 41672 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> BANDERSON	<u>APPROVED BY:</u> FSMITH

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5	41672-0051	A-41672-B05C197			41672-0091	A-41672-B05A228	026486054	A-41672-B05B197																																																																											
6	41672-0052	A-41672-B06C197			41672-0092	A-41672-B06A228	026486064	A-41672-B06B197																																																																											
7	41672-0053	A-41672-B07C197			41672-0093	A-41672-B07A228	026486074	A-41672-B07B197																																																																											
8	026582081	A-41672-B08C197			41672-0094	A-41672-B08A228	026486084	A-41672-B08B197																																																																											
9	41672-0054	A-41672-B09C197			41672-0095	A-41672-B09A228	026486094	A-41672-B09B197																																																																											
10	41672-0055	A-41672-B10C197			026586101	A-41672-B10A228	026486104	A-41672-B10B197																																																																											
11	41672-0056	A-41672-B11C197			41672-0096	A-41672-B11A228	026486114	A-41672-B11B197																																																																											
12	41672-0057	A-41672-B12C197			026586121	A-41672-B12A228	026486124	A-41672-B12B197																																																																											
13	41672-0058	A-41672-B13C197			41672-0097	A-41672-B13A228	026486134	A-41672-B13B197																																																																											
14	41672-0059	A-41672-B14C197			41672-0098	A-41672-B14A228	026486144	A-41672-B14B197																																																																											
15	41672-0060	A-41672-B15C197			41672-0099	A-41672-B15A228	026486154	A-41672-B15B197																																																																											
16	41672-0061	A-41672-B16C197			41672-0100	A-41672-B16A228	026486164	A-41672-B16B197																																																																											
17	41672-0062	A-41672-B17C197			41672-0101	A-41672-B17A228	026486174	A-41672-B17B197																																																																											
18	41672-0063	A-41672-B18C197			41672-0102	A-41672-B18A228	026486184	A-41672-B18B197																																																																											
19	41672-0064	A-41672-B19C197			41672-0103	A-41672-B19A228	026486194	A-41672-B19B197																																																																											
20	41672-0065	A-41672-B20C197			41672-0104	A-41672-B20A228	026486204	A-41672-B20B197																																																																											
21	41672-0066	A-41672-B21C197			41672-0105	A-41672-B21A228	026486214	A-41672-B21B197																																																																											
22	41672-0067	A-41672-B22C197			026586221	A-41672-B22A228	026486224	A-41672-B22B197																																																																											
23	41672-0068	A-41672-B23C197			41672-0106	A-41672-B23A228	026486234	A-41672-B23B197																																																																											
24	026582241	A-41672-B24C197			41672-0107	A-41672-B24A228	026486244	A-41672-B24B197																																																																											

REV:	<u>ECR/ECN INFORMATION:</u>		<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICITION LOCK BREAKAWAY RIGHT ANGLE	<u>SHEET No.</u> - 3 -
	<u>EC No.:</u> UCP2014-0803			
	<u>DATE:</u> 8/23/2013			
<u>DOCUMENT NUMBER:</u> SD- 41672 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> BANDERSON	<u>APPROVED BY:</u> FSMITH

<table border="1"> <tr><td>Header No:</td><td>41186-A-AN</td></tr> <tr><td>Pin No:</td><td>43294-0974</td></tr> <tr><td>Pin Length L</td><td>1.530 / 38.86</td></tr> <tr><td>Mating M</td><td>.499 / 12.67</td></tr> <tr><td>Gold:</td><td>.300/7.62</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.592 / 15.04</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:	43294-0974	Pin Length L	1.530 / 38.86	Mating M	.499 / 12.67	Gold:	.300/7.62	Bend Height: Y	.213 / 5.41	PC Tail P	.592 / 15.04	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>43294-0573</td></tr> <tr><td>Pin Length L</td><td>1.100 / 27.94</td></tr> <tr><td>Mating M</td><td>.523 / 13.28</td></tr> <tr><td>Gold:</td><td>.270/ 6.85</td></tr> <tr><td>Bend Height: Y</td><td>.213 / 5.41</td></tr> <tr><td>PC Tail P</td><td>.136 / 3.45</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:	43294-0573	Pin Length L	1.100 / 27.94	Mating M	.523 / 13.28	Gold:	.270/ 6.85	Bend Height: Y	.213 / 5.41	PC Tail P	.136 / 3.45	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>43294-0500</td></tr> <tr><td>Pin Length L</td><td>1.030 / 26.16</td></tr> <tr><td>Mating M</td><td>.456/11.58 REF</td></tr> <tr><td>Gold:</td><td>NA</td></tr> <tr><td>Bend Height: Y</td><td>.221 / 5.61</td></tr> <tr><td>PC Tail P</td><td>.125+- .015</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:	43294-0500	Pin Length L	1.030 / 26.16	Mating M	.456/11.58 REF	Gold:	NA	Bend Height: Y	.221 / 5.61	PC Tail P	.125+- .015	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>43294-0500</td></tr> <tr><td>Pin Length L</td><td>1.030 / 26.16</td></tr> <tr><td>Mating M</td><td>.459 / 11.66</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>.130 / 3.30</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:	43294-0500	Pin Length L	1.030 / 26.16	Mating M	.459 / 11.66	Gold:	NA	Bend Height: Y	.213 / 5.41	PC Tail P	.130 / 3.30	Tin:	OVERALL	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	41672-0109	A-41672-B02D241	026586020	A-41672-B02C241	026482029	A-41672-B02E197	41672-0151	A-41672-B02F197																																																																										
	3	41672-0110	A-41672-B03D241	026586030	A-41672-B03C241	026482039	A-41672-B03E197	41672-0152	A-41672-B03F197																																																																										
	4	41672-0111	A-41672-B04D241	41672-0131	A-41672-B04C241	026482049	A-41672-B04E197	41672-0153	A-41672-B04F197																																																																										
	5	41672-0112	A-41672-B05D241	41672-0132	A-41672-B05C241	026482059	A-41672-B05E197	41672-0154	A-41672-B05F197																																																																										
	6	41672-0113	A-41672-B06D241	41672-0133	A-41672-B06C241	026482069	A-41672-B06E197	41672-0155	A-41672-B06F197																																																																										
	7	41672-0114	A-41672-B07D241	41672-0134	A-41672-B07C241	026482079	A-41672-B07E197	41672-0156	A-41672-B07F197																																																																										
	8	41672-0115	A-41672-B08D241	026586080	A-41672-B08C241	026482089	A-41672-B08E197	41672-0157	A-41672-B08F197																																																																										
	9	41672-0116	A-41672-B09D241	41672-0135	A-41672-B09C241	026482099	A-41672-B09E197	41672-0158	A-41672-B09F197																																																																										
	10	41672-0117	A-41672-B10D241	41672-0136	A-41672-B10C241	026482109	A-41672-B10E197	41672-0159	A-41672-B10F197																																																																										
	11	41672-0118	A-41672-B11D241	41672-0137	A-41672-B11C241	026482119	A-41672-B11E197	41672-0160	A-41672-B11F197																																																																										
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	13	41672-0120	A-41672-B13D241	41672-0139	A-41672-B13C241	026482139	A-41672-B13E197	41672-0162	A-41672-B13F197																																																																										
	14	41672-0121	A-41672-B14D241	41672-0140	A-41672-B14C241	026482149	A-41672-B14E197	41672-0163	A-41672-B14F197																																																																										
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	16	41672-0123	A-41672-B16D241	41672-0142	A-41672-B16C241	026482169	A-41672-B16E197	41672-0165	A-41672-B16F197																																																																										
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	18	41672-0125	A-41672-B18D241	41672-0144	A-41672-B18C241	026482189	A-41672-B18E197	41672-0167	A-41672-B18F197																																																																										
	19	41672-0126	A-41672-B19D241	41672-0145	A-41672-B19C241	026482199	A-41672-B19E197	41672-0168	A-41672-B19F197																																																																										
	20	41672-0127	A-41672-B20D241	41672-0146	A-41672-B20C241	026482209	A-41672-B20E197	41672-0169	A-41672-B20F197																																																																										
	21	41672-0128	A-41672-B21D241	41672-0147	A-41672-B21C241	026482219	A-41672-B21E197	41672-0170	A-41672-B21F197																																																																										
	22	41672-0129	A-41672-B22D241	41672-0148	A-41672-B22C241	026482229	A-41672-B22E197	41672-0171	A-41672-B22F197																																																																										
	23	41672-0130	A-41672-B23D241	41672-0149	A-41672-B23C241	026482239	A-41672-B23E197	41672-0172	A-41672-B23F197																																																																										
	24	026586242	A-41672-B24D241	41672-0150	A-41672-B24C241	026482249	A-41672-B24E197	41672-0173	A-41672-B24F197																																																																										

REV:	ECR/ECN INFORMATION:		TITLE:	KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE	SHEET No.
	EC No.: UCP2014-0803				
	DATE: 8/23/2013				
DOCUMENT NUMBER:			CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41672 -001			MKIPPER	BANDERSON	FSMITH

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Ckts	Material No	Engineer Number		Material No	Engineer Number	Void	Material No	Engineer Number	Void																																																		
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5	41672-0179	A-41672-B05G197		026504042	A-41672-B04A197-02	2																																																					
6	41672-0180	A-41672-B06G197		026504061	A-41672-B06A197-4	4																																																					
7	41672-0181	A-41672-B07G197		026504043	A-41672-B04A197-3	3																																																					
8	41672-0182	A-41672-B08G197		026504062	A-41672-B06A197-5	5																																																					
9	41672-0183	A-41672-B09G197		416720048	A-41672-B09A197-51	2,3,4, 6,7,8																																																					
10	41672-0184	A-41672-B10G197		416720049	A-41672-B14A197-12	12																																																					
11	41672-0185	A-41672-B11G197		026504102	A-41672-B10A197-5	5																																																					
12	41672-0186	A-41672-B12G197		026504072	A-41672-B07A197-2	2																																																					
13	41672-0187	A-41672-B13G197		41672-0175	A-41672-B11A197-2	2																																																					
14	41672-0188	A-41672-B14G197		41672-0203	A-41672-B14A197-51	2,6, 11,13																																																					
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18	41672-0192	A-41672-B18G197																																																									
19	41672-0193	A-41672-B19G197																																																									
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21	41672-0195	A-41672-B21G197																																																									
22	41672-0196	A-41672-B22G197																																																									
23	41672-0197	A-41672-B23G197																																																									
24	41672-0198	A-41672-B24G197																																																									

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
AC2	EC No.: UCP2014-0803	KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE	- 5 -
	DATE: 8/23/2013		
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:
SD- 41672 -001		MKIPPER	BANDERSON
		APPROVED BY:	
		FSMITH	

[illegible]

REV: AC2	<u>ECR/ECN INFORMATION:</u>	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE			<u>SHEET No.</u>
	<u>EC No.:</u> UCP2014-0803				- 6 -
	<u>DATE:</u> 8/23/2013				
<u>DOCUMENT NUMBER:</u> SD- 41672 -001		<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> BANDERSON	<u>APPROVED BY:</u> FSMITH	

[illegible]

REV: AC2	<u>ECR/ECN INFORMATION:</u> EC No.: UCP2014-0803 DATE: 8/23/2013	<u>TITLE:</u> KK 156 HEADER ASSEMBLY FRICTION LOCK BREAKAWAY RIGHT ANGLE			<u>SHEET No.</u> - 8 -
	<u>DOCUMENT NUMBER:</u> SD- 41672 -001	<u>CREATED / REVISED BY:</u> MKIPPER	<u>CHECKED BY:</u> BANDERSON	<u>APPROVED BY:</u> FSMITH	