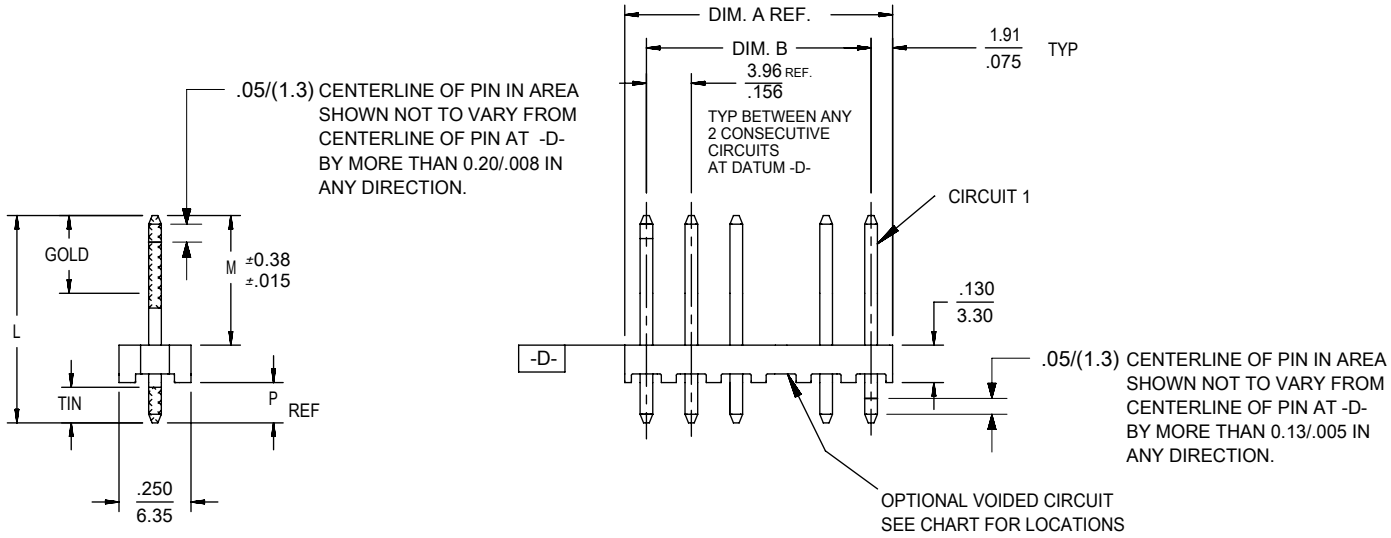
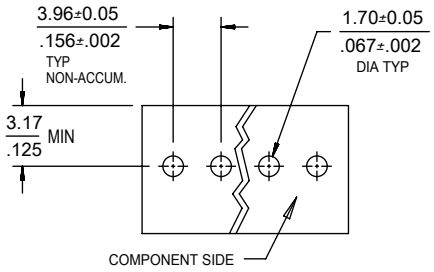


CKT	DIM. A	DIM. B
2	7.77 / .306	3.96±0.05 / .156±.002
3	11.73 / .462	7.92±0.08 / .312±.003
4	15.70 / .618	11.89±0.08 / .468±.003
5	19.66 / .774	15.85±0.10 / .624±.004
6	23.62 / .930	19.81±0.10 / .780±.004
7	27.58 / 1.086	23.77±0.10 / .936±.004
8	31.55 / 1.242	27.74±0.13 / 1.092±.005
9	35.51 / 1.398	31.70±0.13 / 1.248±.005
10	39.47 / 1.554	35.66±0.13 / 1.404±.005
11	43.43 / 1.710	39.62±0.15 / 1.560±.006
12	47.40 / 1.866	43.59±0.15 / 1.716±.006
13	51.36 / 2.022	47.55±0.15 / 1.872±.006
14	55.32 / 2.178	51.51±0.18 / 2.028±.007
15	59.28 / 2.334	55.47±0.18 / 2.184±.007
16	63.25 / 2.490	59.44±0.18 / 2.340±.007



RECOMMENDED PC BOARD HOLE LAYOUT

NOTES:
1. MATERIAL: HEADER-GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL (WHITE).
2. FINISH: (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN.
   OVER 0.00127/.000050 MIN. NICKEL OVERALL
   (222) OVERALL MATTE TIN: 0.00254/.000100 MIN TIN
   OVER 0.00127/.000050 MIN NICKEL.
   (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: SEE PS-08-50 & PS-40-02.
4. PACKAGING INFORMATION: SEE CHARTS
5. SOLDERABILITY: PER SMES-152.
6. PIN PUSH-OUT FORCE: 3 LB MIN PRIOR TO SOLDERING
7. PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS.
8. FOR PARTS WITH PEGS, SEE DWG.NO. SDA-42491.
9. PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

QUALITY SYMBOLS
EA = 0
EC = 0
EP = 0
▼ = 0
C = 0
☒ = 0
■ = 0
E = 0

2-*	K1
1	K1
SHEET	REV

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CORRECT PINS
2017/03/29
2017/04/03
2017/04/05
EC NO: 115161
DRWN: CSLAFTER
CHK'D: MKIPPER
APPR: FSMITH

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.015
1 PLACES	± 0.38	±
0 PLACES	±	±

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

K1 REV

DIMENSION UNITS: MM/IN
SCALE: 2:1
DRWN BY: JSCHAFER DATE: 2003/11/03
CHK'D BY: SAMIEC DATE: 2004/03/24
APPR BY: MARGULIS DATE: 2004/03/24
DRAWING SIZE: A
THIRD ANGLE PROJECTION

molex®

KK .156 HEADER ASSY
FLAT VERT W/O PEGS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
41771	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-41771-001	PSD	000	1 OF *

RELEASE STATUS		RELEASE DATE	

FORMAT: Eng-lega-master-tb-prod-A
REVISION: C
DATE: 2016/02/04

OPTIONS								
	Group	A-41771-0002/0016	Group	A-41771-0899/0913	Group	A-41771-0916/0930	Group	A-41771-0036/0050
	Header No:	41770-0002/0016	Header No:	41770-0002/0016	Header No:	41770-0002/0016	Header No:	41770-0002/0016
	Pin No:	43294-0214	Pin No:	43294-0209	Pin No:	43294-0210	Pin No:	43294-0419
	Plating:	197 – TIN	Plating:	208 - GOLD	Plating:	228 – GOLD	Plating:	197 – TIN
	Pin Length L	18.29 / .720	Pin Length L	18.29 / .720	Pin Length L	18.29 / .720	Pin Length L	23.88 /. 940
	Mating M	11.43 / .450	Mating M	11.43 / .450	Mating M	11.43 / .450	Mating M	16.97 / .668
	Gold Loc G	N/A	Gold Loc G	6.86 / .270	Gold Loc G	6.86 / .270	Gold Loc G	N/A
	PC Tail P	3.56 / .140	PC Tail P	3.56 / .140	PC Tail P	3.56 / .140	PC Tail P	3.61 / .142
	Tin Loc T	OVERALL	Tin Loc T	4.06 / .160	Tin Loc T	4.06 / .160	Tin Loc T	OVERALL
	Voided Ckts	NONE	Voided Ckts	NONE	Voided Ckts	NONE	Voided Ckts	NONE
	Pack Per	417710000-PK	Pack Per	417710000-PK	Pack Per	417710000-PK	Pack Per	417710000-PK

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	26-60-2020	A-41771-0002	41771-0899	A-41771-0899	41771-0916	A-41771-0916	26-60-2021	A-41771-0036
3	26-60-2030	A-41771-0003	41771-0900	A-41771-0900	41771-0917	A-41771-0917	26-60-2031	A-41771-0037
4	26-60-2040	A-41771-0004	41771-0901	A-41771-0901	41771-0918	A-41771-0918	26-60-2041	A-41771-0038
5	26-60-2050	A-41771-0005	41771-0902	A-41771-0902	41771-0919	A-41771-0919	26-60-2051	A-41771-0039
6	26-60-2060	A-41771-0006	41771-0903	A-41771-0903	41771-0920	A-41771-0920	26-60-2061	A-41771-0040
7	26-60-2070	A-41771-0007	41771-0904	A-41771-0904	41771-0921	A-41771-0921	26-60-2071	A-41771-0041
8	26-60-2080	A-41771-0008	41771-0905	A-41771-0905	41771-0922	A-41771-0922	26-60-2081	A-41771-0042
9	26-60-2090	A-41771-0009	41771-0906	A-41771-0906	41771-0923	A-41771-0923	26-60-2091	A-41771-0043
10	26-60-2100	A-41771-0010	41771-0907	A-41771-0907	41771-0924	A-41771-0924	26-60-2101	A-41771-0044
11	26-60-2110	A-41771-0011	41771-0908	A-41771-0908	41771-0925	A-41771-0925	26-60-2111	A-41771-0045
12	26-60-2120	A-41771-0012	41771-0909	A-41771-0909	41771-0926	A-41771-0926	26-60-2121	A-41771-0046
13	26-60-2130	A-41771-0013	41771-0910	A-41771-0910	41771-0927	A-41771-0927	26-60-2131	A-41771-0047
14	26-60-2140	A-41771-0014	41771-0911	A-41771-0911	41771-0928	A-41771-0928	26-60-2141	A-41771-0048
15	26-60-2150	A-41771-0015	41771-0912	A-41771-0912	41771-0929	A-41771-0929	26-60-2151	A-41771-0049
16	26-60-2160	A-41771-0016	41771-0913	A-41771-0913	41771-0930	A-41771-0930	26-60-2161	A-41771-0050

REV:	ECM NFORMATION:	TITLE:	SHEET No.
K1	ECM No.: **115161** DATE: **4/5/2017**	**KK 156 HEADER ASSY FLAT VERT W/O PEGS**	**- 2 -**

DOCUMENT NUMBER:	DOC TYPE:	DOC PART:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41771-001	**PSD**	**002**	**CSLAFTER**	**MKIPPER**	**FSMITH**

	Group	A-41771-0933/0947		Group	A-41771-0950/0964		Group	A-41771-0019/0033		Group	A-41771-0053/0067
	Header No:	41770-0002/0016		Header No:	41770-0002/0016		Header No:	41770-0002/0016		Header No:	41770-0002/0016
	Pin No:	43294-0416		Pin No:	43294-0417		Pin No:	43294-0215		Pin No:	43294-0420
	Plating:	208 – GOLD		Plating:	228 – GOLD		Plating:	241 – GOLD		Plating:	241 – GOLD
	Pin Length L	23.88 / .940		Pin Length L	23.88 /. 940		Pin Length L	18.29 / .720		Pin Length L	23.88 /. 940
	Mating M	16.89 / .665		Mating M	16.89 / .665		Mating M	11.43 / .450		Mating M	16.97 / .668
	Gold Loc G	8.89 / .350		Gold Loc G	8.89 / .350		Gold Loc G	6.85/ .270		Gold Loc G	8.89/ .350
	PC Tail P	3.68 / .145		PC Tail P	3.68 / .145		PC Tail P	3.56 / .140		PC Tail P	3.61 / .142
	Tin Loc T	4.06 / .160		Tin Loc T	4.06 / .160		Tin Loc T	4.06/ .160		Tin Loc T	4.06/ .160
	Voided Ckts	NONE		Voided Ckts	NONE		Voided Ckts	NONE		Voided Ckts	NONE
	Pack Per	417710000-PK		Pack Per	417710000-PK		Pack Per	417710000-PK		Pack Per	417710000-PK
Ckts	Material No	Engineer Number		Material No	Engineer Number		Material No	Engineer Number		Material No	Engineer Number
2	41771-0933	A-41771-0933		41771-0950	A-41771-0950		26-61-2020	A-41771-0019		26-61-2021	A-41771-0053
3	41771-0934	A-41771-0934		41771-0951	A-41771-0951		26-61-2030	A-41771-0020		26-61-2031	A-41771-0054
4	41771-0935	A-41771-0935		41771-0952	A-41771-0952		26-61-2040	A-41771-0021		26-61-2041	A-41771-0055
5	41771-0936	A-41771-0936		41771-0953	A-41771-0953		26-61-2050	A-41771-0022		26-61-2051	A-41771-0056
6	41771-0937	A-41771-0937		41771-0954	A-41771-0954		26-61-2060	A-41771-0023		26-61-2061	A-41771-0057
7	41771-0938	A-41771-0938		41771-0955	A-41771-0955		26-61-2070	A-41771-0024		26-61-2071	A-41771-0058
8	41771-0939	A-41771-0939		41771-0956	A-41771-0956		26-61-2080	A-41771-0025		26-61-2081	A-41771-0059
9	41771-0940	A-41771-0940		41771-0957	A-41771-0957		26-61-2090	A-41771-0026		26-61-2091	A-41771-0060
10	41771-0941	A-41771-0941		41771-0958	A-41771-0958		26-61-2100	A-41771-0027		26-61-2101	A-41771-0061
11	41771-0942	A-41771-0942		41771-0959	A-41771-0959		26-61-2110	A-41771-0028		26-61-2111	A-41771-0062
12	41771-0943	A-41771-0943		41771-0960	A-41771-0960		26-61-2120	A-41771-0029		26-61-2121	A-41771-0063
13	41771-0944	A-41771-0944		41771-0961	A-41771-0961		26-61-2130	A-41771-0030		26-61-2131	A-41771-0064
14	41771-0945	A-41771-0945		41771-0962	A-41771-0962		26-61-2140	A-41771-0031		26-61-2141	A-41771-0065
15	41771-0946	A-41771-0946		41771-0963	A-41771-0963		26-61-2150	A-41771-0032		26-61-2151	A-41771-0066
16	41771-0947	A-41771-0947		41771-0964	A-41771-0964		26-61-2160	A-41771-0033		26-61-2161	A-41771-0067

REV:	ECM NFORMATION:	TITLE:	SHEET No.
K1	ECM No.: **115161** DATE: **4/5/2017**	**KK 156 HEADER ASSY FLAT VERT W/O PEGS**	**- 3 -**

DOCUMENT NUMBER:	DOC TYPE:	DOC PART:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41771-001	**PSD**	**002**	**CSLAFTER**	**MKIPPER**	**FSMITH**

	Group	A-41771-0115/0129
	Header No:	41770-0002/0016
	Pin No:	43294-0214
	Plating:	197 – TIN
	Pin Length L	18.29 / .720
	Mating M	11.43 / .450
	Gold Loc G	N/A
	PC Tail P	3.56 / .140
	Tin Loc T	OVERALL
	Voided Ckts	2
	Pack Per	417710000-PK
CKTS	Material No	Engineer Number
2	26-62-2020	A-41771-0115
3	26-62-2030	A-41771-0116
4	26-62-2040	A-41771-0117
5	26-62-2050	A-41771-0118
6	26-62-2060	A-41771-0119
7	26-62-2070	A-41771-0120
8	26-62-2080	A-41771-0121
9	26-62-2090	A-41771-0122
10	26-62-2100	A-41771-0123
11	26-62-2110	A-41771-0124
12	26-62-2120	A-41771-0125
13	26-62-2130	A-41771-0126
14	26-62-2140	A-41771-0127
15	26-62-2150	A-41771-0128
16	26-62-2160	A-41771-0129

	Group	A-41771-0195/0209
	Header No:	41770-0002/0016
	Pin No:	43294-1003
	Plating:	197 – TIN
	Pin Length L	39.62 / 1.560
	Mating M	32.97 / 1.298
	Gold Loc G	N/A
	PC Tail P	3.35 / .132
	Tin Loc T	OVERALL
	Voided Ckts	NONE
	Pack Per	417710000-PK
	Material No	Engineer Number
	26-60-2023	A-41771-0195
	26-60-2033	A-41771-0196
	26-60-2043	A-41771-0197
	26-60-2053	A-41771-0198
	26-60-2063	A-41771-0199
	26-60-2073	A-41771-0200
	26-60-2083	A-41771-0201
	26-60-2093	A-41771-0202
	26-60-2103	A-41771-0203
	26-60-2113	A-41771-0204
	26-60-2123	A-41771-0205
	26-60-2133	A-41771-0206
	26-60-2143	A-41771-0207
	26-60-2153	A-41771-0208
	26-60-2163	A-41771-0209

	Group	A-41771-0212/0226
	Header No:	41770-0002/0016
	Pin No:	43294-0400
	Plating:	197 – TIN
	Pin Length L	23.37 / .920
	Mating M	16.31/ .642
	Gold Loc G	N/A
	PC Tail P	3.76 / .148
	Tin Loc T	OVERALL
	Voided Ckts	NONE
	Pack Per	417710000-PK
	Material No	Engineer Number
	27-60-2021	A-41771-0212
		A-41771-0213
		A-41771-0214
		A-41771-0215
		A-41771-0216
	27-60-2071	A-41771-0217
	27-60-2081	A-41771-0218
		A-41771-0219
	27-60-2101	A-41771-0220
		A-41771-0221
	27-60-2121	A-41771-0222
		A-41771-0223
		A-41771-0224
		A-41771-0225
		A-41771-0226

	Group	A-41771-0229/0243
	Header No:	41770-0002/0016
	Pin No:	43294-0598
	Plating:	197 – TIN
	Pin Length L	28.70 / 1.130
	Mating M	21.56 / .849
	Gold Loc G	N/A
	PC Tail P	3.84 / .151
	Tin Loc T	OVERALL
	Voided Ckts	NONE
	Pack Per	417710000-PK
	Material No	Engineer Number
	27-60-2022	A-41771-0229
	27-60-2032	A-41771-0230
	27-60-2042	A-41771-0231
	27-60-2052	A-41771-0232
	27-60-2062	A-41771-0233
	27-60-2072	A-41771-0234
	27-60-2082	A-41771-0235
	27-60-2092	A-41771-0236
	27-60-2102	A-41771-0237
	27-60-2112	A-41771-0238
	27-60-2122	A-41771-0239
	27-60-2132	A-41771-0240
	27-60-2142	A-41771-0241
	27-60-2152	A-41771-0242
	27-60-2162	A-41771-0243

REV:	ECM NFORMATION:	TITLE:	SHEET No.
K1	ECM No.: **115161** DATE: **4/5/2017**	**KK 156 HEADER ASSY** **FLAT VERT** **W/O PEGS**	**- 4 -**

DOCUMENT NUMBER:	DOC TYPE:	DOC PART:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41771-001	**PSD**	**002**	**CSLAFTER**	**MKIPPER**	**FSMITH**

	Group	A-41771-0695/0709
	Header No:	41770-0002/0016
	Pin No:	43294-0662
	Plating:	241 - GOLD
	Pin Length L	30.48 / 1.200
	Mating M	13.49 / .531
	Gold Loc G	6.85/ .270
	PC Tail P	13.69 / .539
	Tin Loc T	5.08/ .200
	Voided Ckts	NONE
	Pack Per	417710000-PK

CKTS	Material No	Engineer Number
2		A-41771-0695
3		A-41771-0696
4		A-41771-0697
5	26-61-2052	A-41771-0698
6		A-41771-0699
7		A-41771-0700
8	26-61-2082	A-41771-0701
9		A-41771-0702
10		A-41771-0703
11		A-41771-0704
12		A-41771-0705
13		A-41771-0706
14		A-41771-0707
15		A-41771-0708
16		A-41771-0709

	Group	A-41771-0882/0896
	Header No:	41770-0002/0016
	Pin No:	43294-0950
	Plating:	241 – GOLD
	Pin Length L	38.10 / 1.500
	Mating M	31.62 / 1.245
	Gold Loc G	7.62/ .300
	PC Tail P	3.18 / .125
	Tin Loc T	5.08/ .200
	Voided Ckts	NONE
	Pack Per	417710000-PK

Material No	Engineer Number
41771-0882	A-41771-0882
41771-0883	A-41771-0883
41771-0884	A-41771-0884
41771-0885	A-41771-0885
41771-0886	A-41771-0886
41771-0887	A-41771-0887
41771-0888	A-41771-0888
41771-0889	A-41771-0889
41771-0890	A-41771-0890
41771-0891	A-41771-0891
41771-0892	A-41771-0892
41771-0893	A-41771-0893
41771-0894	A-41771-0894
41771-0895	A-41771-0895
41771-0896	A-41771-0896

	Group	A-417710763/0769
	Header No:	41770-0002/0016
	Pin No:	43294-0214
	Plating:	197 – TIN
	Pin Length L	18.29 / .720
	Mating M	11.43 / .450
	Gold Loc G	N/A
	PC Tail P	3.84 / .140
	Tin Loc T	OVERALL
	Voided Ckts	3, 5, 7, 8, 10
	Pack Per	417710000-PK

Material No	Engineer Number
	A-41771-0763
27-66-2110	A-41771-0764
	A-41771-0765
	A-41771-0766
	A-41771-0767
	A-41771-0768
	A-41771-0769

	Group	A-41771-0772/0778
	Header No:	41770-0002/0016
	Pin No:	43294-0214
	Plating:	197 – TIN
	Pin Length L	18.29 / .720
	Mating M	11.43 / .450
	Gold Loc G	N/A
	PC Tail P	3.84 / .140
	Tin Loc T	OVERALL
	Voided Ckts	3, 10
	Pack Per	417710000-PK

Material No	Engineer Number
27-66-2101	A-41771-0772
	A-41771-0773
	A-41771-0774
	A-41771-0775
	A-41771-0776
	A-41771-0777
	A-41771-0778

REV:	ECM NFORMATION:	TITLE:	SHEET No.
K1	ECM No.: **115161** DATE: **4/5/2017**	**KK 156 HEADER ASSY** **FLAT VERT** **W/O PEGS**	**- 5 -**

DOCUMENT NUMBER:	DOC TYPE:	DOC PART:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41771-001	**PSD**	**002**	**CSLAFTER**	**MKIPPER**	**FSMITH**

	Group	A-41771-0781/0785		Group	A-41771-0972/0986		Group	A-41771-1007		Group	
	Header No:	41770-0002/0016		Header No:	41770-0002/0016		Header No:	41770-0003		Header No:	
	Pin No:	43294-0214		Pin No:	43294-0832		Pin No:	43294-0212		Pin No:	
	Plating:	197 – TIN		Plating:	197 – TIN		Plating:	222 – TIN		Plating:	
	Pin Length L	18.29 / .720		Pin Length L	35.05 / 1.380		Pin Length L	18.29 / .720		Pin Length L	
	Mating M	11.43 / .450		Mating M	15.93 / .627		Mating M	11.43 / .450		Mating M	
	Gold Loc G	N/A		Gold Loc G	NA		Gold Loc G	N/A		Gold Loc G	
	PC Tail P	3.84 / .140		PC Tail P	15.82 / .623		PC Tail P	3.56 / .140		PC Tail P	
	Tin Loc T	OVERALL		Tin Loc T	OVERAL		Tin Loc T	OVERALL		Tin Loc T	
	Voided Ckts	4, 12		Voided Ckts	NONE		Voided Ckts	2		Voided Ckts	
	Pack Per	417710000-PK		Pack Per	417710000-PK		Pack Per	417710000-PK		Pack Per	
CKTS	Material No	Engineer Number		Material No			Material No			Material No	Engineer Number
2				41771-0972							
3				41771-0973			41771-1007				
4				41771-0974							
5				41771-0975							
6				41771-0976							
7				41771-0977							
8				41771-0978							
9				41771-0979							
10				41771-0980							
11				41771-0981							
12	27-66-2122	A-41771-0781		41771-0982							
13		A-41771-0782		41771-0983							
14		A-41771-0783		41771-0984							
15		A-41771-0784		41771-0985							
16		A-41771-0785		41771-0986							

REV:	ECM NFORMATION:	TITLE:	SHEET No.
K1	ECM No.: **115161** DATE: **4/5/2017**	**KK 156 HEADER ASSY** **FLAT VERT** **W/O PEGS**	**- 6 -**

DOCUMENT NUMBER:	DOC TYPE:	DOC PART:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 41771-001	**PSD**	**002**	**CSLAFTER**	**MKIPPER**	**FSMITH**