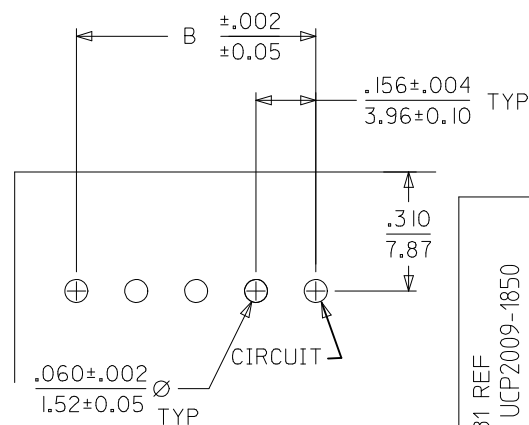


- NOTES:
- HOUSING MATERIAL: NYLON, UL 94V-2
  - FINISH:
    - (909) OVERALL HOT TIN DIP: .000100/0.00254 MIN.
    - (122) OVERALL TIN: .000150/0.00281 MIN.
    - OVERALL NICKEL UNDERPLATE: .000030/0.00076 MIN.
    - (558) SELECT GOLD: .000030/0.00076 MIN.
    - WITH OVERALL GOLD FLASH .000002/0.00005 MIN.
    - OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
    - (102) OVERALL TIN: .000200/0.00508 MIN.
    - OVERALL COPPER UNDERPLATE .000100/0.00254 MIN.
    - (208) SELECT GOLD: .000015/0.00038 MIN.
    - SELECT TIN: .000100/0.00254 MIN.
    - OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
  - PRODUCT SPECIFICATION: PS-08-50
  - PACKAGING INFO: SEE CHARTS.
  - SOLDERABILITY SPECIFICATION: SMES-152.
  - TOP ENTRY OPTIONS: SEE DRAWING SDA-2145-002.
  - BOTTOM ENTRY OPTIONS: SEE DRAWING SDA-2145-003
  - .183/4.64 DIMENSION IS BOTTOM OF HOUSING TO CENTER OF MATING PIN AND DOES NOT REFLECT CENTER OF THE CONNECTOR HOUSING WINDOW DIMENSION.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION.



PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/1.57

CKT	A	B
02	.308 7.82	.156±.005 3.96±0.13
03	.464 11.79	.312±.005 7.92±0.13
04	.620 15.75	.468±.005 11.89±0.13
05	.776 19.71	.624±.005 15.85±0.13
06	.932 23.67	.780±.005 19.81±0.13
07	1.088 27.64	.936±.010 23.77±0.25
08	1.244 31.60	1.092±.010 27.74±0.25
09	1.400 35.56	1.248±.010 31.70±0.25
10	1.556 39.52	1.404±.010 35.66±0.25
11	1.712 43.48	1.560±.010 39.62±0.25
12	1.868 47.45	1.716±.010 43.59±0.25
13	2.024 51.41	1.872±.010 47.55±0.25
14	2.180 55.37	2.028±.014 51.51±0.36
15	2.336 59.33	2.184±.014 55.47±0.36

2*	Y2
1	Y5
SHT	REV.

ADD .31 REF EC NO: UCP2009-1850 DRWN:KSAMIEC 2009/01/27 CHKD: 2009/01/27 APPR:JCOMERCI 2009/01/27 DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			IN/MM			INCH		
			mm	INCH	DRAWN BY	DATE	TITLE	KK 156 PCB ASSY RIGHT ANGLE ENTRY MOLEX INCORPORATED
			4 PLACES ± ---	± ---	SAMIEC			
		3 PLACES ± ---	± .010	CHECKED BY	DATE			
		2 PLACES ± 0.25	± .015	SAMIEC			MOLEX MOLEX INCORPORATED	
		1 PLACE ± 0.38	± ---	APPROVED BY	DATE			
		ANGULAR ± 1/2°		MARGULIS			MATERIAL NO. SEE CHART DOCUMENT NO. SDA-2145-001 SHEET NO. 1 OF *	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS

RAMPS	YES
HOOKS:	YES
COLOR:	WHITE
MOLD VOID:	NONE
TERM MATL:	PHOS BRONZE
CONTACT:	STANDARD
PC TAIL (C):	.145 / 3.68
PLATING:	102 - TIN
TERM VOID:	NONE
PACKAGING:	TRAY PK-2145-001

RAMPS	YES
HOOKS:	YES
COLOR:	WHITE
MOLD VOID:	NONE
TERM MATL:	PHOS BRONZE
CONTACT:	STANDARD
PC TAIL (C):	.145 / 3.68
PLATING:	208 - GOLD
TERM VOID:	NONE
PACKAGING:	TRAY PK-2145-001

Ckts	Material No
2	09-52-1026
3	09-52-1036
4	09-52-1046
5	09-52-1056
6	09-52-1066
7	09-52-1076
8	09-52-1086
9	09-52-1096
10	09-52-1106
11	09-52-1116
12	09-52-1126
13	09-52-1136
14	09-52-1146
15	09-52-1156

Ckts	Material No
2	09-62-4027
3	09-62-4037
4	09-62-4047
5	09-62-4057
6	09-62-4067
7	09-62-4077
8	09-62-4087
9	09-62-4097
10	09-62-4107
11	09-62-4117
12	09-62-4127
13	09-62-4137
14	09-62-4147
15	09-62-4157

REV:	3/9/2005 SAMIEC	TITLE:		SHEET No.
<b>Y<sub>2</sub></b>		<b>KK 156 PCB ASSY</b>		<b>- 2 -</b>
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
<b>SDA-2145-001</b>		<b>SAMIEC</b>	<b>SAMIEC</b>	<b>MARGULIS</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS	RAMPS	YES	RAMPS	YES	RAMPS	YES	RAMPS	YES
	HOOKS:	YES	HOOKS:	YES	HOOKS:	YES	HOOKS:	YES
	COLOR:	WHITE	COLOR:	WHITE	COLOR:	WHITE	COLOR:	WHITE
	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	NONE
	TERM MATL:	BRASS	TERM MATL:	BRASS	TERM MATL:	PHOS BRONZE	TERM MATL:	BRASS
	CONTACT:	STANDARD	CONTACT:	STANDARD	CONTACT:	STANDARD	CONTACT:	STANDARD
	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68
	PLT CODE:	102 - TIN	PLT CODE:	122 - TIN	PLT CODE:	558 - 30 GOLD	PLT CODE:	P909 - TIN
	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	NONE
	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001
Ckt	Material No		Material No		Material No		Material No	
2	09-52-1021		09-86-3021		09-62-3025		09-52-3021	
3	09-52-1031		09-86-3031		09-62-3035		09-52-3031	
4	09-52-1041		09-86-3041		09-62-3045		09-52-3041	
5	09-52-1051		09-86-3051		09-62-3055		09-52-3051	
6	09-52-1061		09-86-3061		09-62-3065		09-52-3061	
7	09-52-1071		09-86-3071		09-62-3075		09-52-3071	
8	09-52-1081		09-86-3081		09-62-3085		09-52-3081	
9	09-52-1091		09-86-3091		09-62-3095		09-52-3091	
10	09-52-1101		09-86-3101		09-62-3105		09-52-3101	
11	09-52-1111		09-86-3111		09-62-3115		09-52-3111	
12	09-52-1121		09-86-3121		09-62-3125		09-52-3121	
13	09-52-1131		09-86-3131		09-62-3135		09-52-3131	
14	09-52-1141		09-86-3141		09-62-3145		09-52-3141	
15	09-52-1151		09-86-3151		09-62-3155		09-52-3151	

<input type="checkbox"/> - <input type="checkbox"/>	RAMPS	YES	RAMPS	YES	RAMPS	NO	RAMPS	YES
---	-------	-----	-------	-----	-------	----	-------	-----

REV:	3/9/2005	<u>TITLE:</u>	<u>SHEET No.</u>
Y <sub>2</sub>	SAMIEC	KK 156 PCB ASSY 2145 RIGHT ANGLE SERIES	- 3 -

<u>DOCUMENT NUMBER:</u> <b>SDA-2145-001</b>	<u>CREATED / REVISED BY:</u> <b>SAMIEC</b>	<u>CHECKED BY:</u> <b>SAMIEC</b>	<u>APPROVED BY:</u> <b>MARGULIS</b>
--	---	-------------------------------------	--



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

	HOOKS:	YES	HOOKS:	YES	HOOKS:	YES	HOOKS:	YES
	COLOR:	BLACK	COLOR:	WHITE	COLOR:	WHITE	COLOR:	WHITE
	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	NONE
	TERM MATL:	BRASS	TERM MATL:	BRASS	TERM MATL:	BRASS	TERM MATL:	BRASS
	CONTACT:	STANDARD	CONTACT:	STANDARD	CONTACT:	STANDARD	CONTACT:	LOW INSERTION
	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68
	PLT CODE:	P909 – TIN	PLT CODE:	208 – 15 GOLD	PLT CODE:	P909 – TIN	PLT CODE:	P909 – TIN
	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	NONE
	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001
Ckt	Material No		Material No		Material No		Material No	
2	09-53-3021		09-62-3021					
3	09-53-3031		09-62-3031				09-52-3035	
4	09-53-3041		09-62-3041				09-52-3045	
5	09-53-3051		09-62-3051				09-52-3055	
6	09-53-3061		09-62-3061				09-52-3065	
7	09-53-3071		09-62-3071					
8	09-53-3081		09-62-3081				09-52-3085	
9	09-53-3091		09-62-3091		09-52-2097		09-52-3095	
10	09-53-3101		09-62-3101				09-52-3105	
11	09-53-3111		09-62-3111					
12	09-53-3121		09-62-3121				09-52-3125	
13	09-53-3131		09-62-3131					
14	09-53-3141		09-62-3141					
15	09-53-3151		09-62-3151				09-52-3155	

REV:	3/9/2005	<u>TITLE:</u>	<u>SHEET No.</u>
<b>Y<sub>2</sub></b>	SAMIEC	<b>KK 156 PCB ASSY 2145 RIGHT ANGLE SERIES</b>	<b>- 4 -</b>
<u>DOCUMENT NUMBER:</u>	<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>	<u>APPROVED BY:</u>
<b>SDA-2145-001</b>	<b>SAMIEC</b>	<b>SAMIEC</b>	<b>MARGULIS</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS	RAMPS:	YES	RAMPS:	YES	RAMPS:	YES	RAMPS:	
	HOOKS:	YES	HOOKS:	YES	HOOKS:	YES	HOOKS:	
	COLOR:	WHITE	COLOR:	WHITE	COLOR:	WHITE	COLOR:	
	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	
	TERM MATL:	PHOS BRONZE	TERM MATL:	PHOS BRONZE	TERM MATL:	PHOS BRONZE	TERM MATL:	
	CONTACT:	STANDARD	CONTACT:	STANDARD	CONTACT:	LOW FORCE	CONTACT:	
	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	
	PLT CODE:	122 – TIN	PLT CODE:	P909 – TIN	PLT CODE:	102 – TIN	PLT CODE:	
	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	
	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	
Ckt	Material No		Material No		Material No		Material No	
2			09-52-3028		50-29-0036			
3			09-52-3038		50-29-0037 09-52-1030			
4	09-86-3044		09-52-3048		50-29-0038			
5	09-86-3054		09-52-3058		50-29-0039			
6	09-86-3064		09-52-3068		09-52-1060			
7			09-52-3078		50-29-0040			
8	09-86-3084		09-52-3088		09-52-1080			
9			09-52-3098		50-29-0041			
10	09-86-3104		09-52-3108		09-52-1100			
11			09-52-3118		50-29-0042			
12	09-86-3124		09-52-3128		09-52-1120			
13			09-52-3138		50-29-0043			
14			09-52-3148		09-52-1140			
15			09-52-3158		50-29-0044			

REV:	3/9/2005	<u>TITLE:</u>	<u>SHEET No.</u>
<b>Y<sub>2</sub></b>	SAMIEC	<b>KK 156 PCB ASSY 2145 RIGHT ANGLE SERIES</b>	<b>- 5 -</b>
<u>DOCUMENT NUMBER:</u>	<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>	<u>APPROVED BY:</u>
<b>SDA-2145-001</b>	<b>SAMIEC</b>	<b>SAMIEC</b>	<b>MARGULIS</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

CUSTOM PRODUCTS

OPTIONS	RAMPS	YES	RAMPS		RAMPS		RAMPS	
	HOOKS:	YES	HOOKS:		HOOKS:		HOOKS:	
	COLOR:	WHITE	COLOR:		COLOR:		COLOR:	
	MOLD VOID:	NONE	MOLD VOID:		MOLD VOID:		MOLD VOID:	
	TERM MATL:	BRASS	TERM MATL:		TERM MATL:		TERM MATL:	
	CONTACT:	STANDARD	CONTACT:		CONTACT:		CONTACT:	
	PC TAIL (C):	.145 / 3.68	PC TAIL (C):		PC TAIL (C):		PC TAIL (C):	
	PLT CODE:	P909 – TIN	PLT CODE:		PLT CODE:		PLT CODE:	
	TERM VOID:	NONE	TERM VOID:		TERM VOID:		TERM VOID:	
	PACKAGING:	TRAY PK-2145-001	PACKAGING:		PACKAGING:		PACKAGING:	
Ckt	Material No.	Engineering No.	Material No.	Engineering No.	Material No.	Engineering No.	Material No.	Engineering No.
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	50-29-1880	A-2145-AA12A-P909						
13								
14								
15								

REV:		<u>TITLE:</u>	<u>SHEET No.</u>
<b>A</b>		<b>KK 156 PCB ASSY 2145 RIGHT ANGLE SERIES</b>	<b>- 2 -</b>
<u>DOCUMENT NUMBER:</u>	<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>	<u>APPROVED BY:</u>
<b>SDA-2145-004</b>	<b>DRATNOL 12/09/2004</b>	<b>SAMIEC 12/09/2004</b>	<b>MARGULIS 12/09/2004</b>