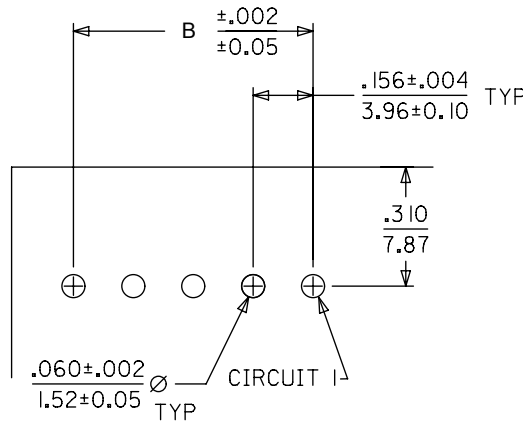


**NOTES:**

- HOUSING MATERIAL: NYLON, UL 94V-2
- FINISH:  
 (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN.  
 OVER 0.00127/.000050 MIN. NICKEL OVERALL.  
 (208) SELECT GOLD: .000015/0.00038 MIN.  
 SELECT TIN: .000100/0.00254 MIN.  
 OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.  
 (909) OVERALL HOT TIN DIP: .000100/0.00254 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 PS-45499-002.

CKT	A	B	CENTER HOOK(S) LOCATED BETWEEN CIRCUITS
02	.308 7.82	.156±.005 3.96±0.13	NONE
03	.464 11.79	.312±.005 7.92±0.13	NONE
04	.620 15.75	.468±.005 11.89±0.13	NONE
05	.776 19.71	.624±.005 15.85±0.13	NONE
06	.932 23.67	.780±.005 19.81±0.13	NONE
07	1.088 27.64	.936±.010 23.77±0.25	NONE
08	1.244 31.60	1.092±.010 27.74±0.25	4 & 5
09	1.400 35.56	1.248±.010 31.70±0.25	4 & 5
10	1.556 39.52	1.404±.010 35.66±0.25	5 & 6
11	1.712 43.48	1.560±.010 39.62±0.25	5 & 6
12	1.868 47.45	1.716±.010 43.59±0.25	4 & 5, 8 & 9
13	2.024 51.41	1.872±.010 47.55±0.25	6 & 7, 11 & 12
14	2.180 55.37	2.028±.014 51.51±0.36	5 & 6, 9 & 10
15	2.336 59.33	2.184±.014 55.47±0.36	5 & 6, 10 & 11

2*	AB
1	AB
SHT	REV.



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

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

DIM C TOLERANCE EC NO: 107740 DRWN: MKIPPER CHK'D: JBELL REV APPR: FSMITH 2016/08/22 2016/08/24 2016/08/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE
			INCH/MM	NTS
	4 PLACES	±	MM	±
	3 PLACES	±	INCH	± 0.01
	2 PLACES	± 0.25	± 0.015	
	1 PLACES	± 0.38	±	
	0 PLACES	±	±	
	ANGULAR TOL ±		DRAWING SIZE	THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A	

<b>molex</b>		
KK 156 PCB ASSY RIGHT ANGLE ENTRY		
PRODUCT CUSTOMER DRAWING		
SERIES	MATERIAL NUMBER	CUSTOMER
2145	SEE CHART	GENERAL MARKET
DOCUMENT NUMBER	DOC TYPE	DOC PART SHEET NUMBER
SDA-2145-001	PSD	000 1 OF *

RELEASE STATUS	RELEASE DATE



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS	RAMPS	YES	RAMPS	YES
	COLOR:	WHITE	COLOR:	WHITE
	MOLD VOID:	NONE	MOLD VOID:	NONE
	TERM MATL:	PHOS BRONZE	TERM MATL:	PHOS BRONZE
	CONTACT:	STANDARD	CONTACT:	STANDARD
	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68
	PLATING:	197 - TIN	PLATING:	208 - GOLD
	TERM VOID:	NONE	TERM VOID:	NONE
	PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001
Ckts	Material No	Material No		
2	09-52-1026	09-62-4027		
3	09-52-1036	09-62-4037		
4	09-52-1046	09-62-4047		
5	09-52-1056	09-62-4057		
6	09-52-1066	09-62-4067		
7	09-52-1076	09-62-4077		
8	09-52-1086	09-62-4087		
9	09-52-1096	09-62-4097		
10	09-52-1106	09-62-4107		
11	09-52-1116	09-62-4117		
12	09-52-1126	09-62-4127		
13	09-52-1136	09-62-4137		
14	09-52-1146	09-62-4147		
15	09-52-1156	09-62-4157		

<b>REV:</b>	<u>ECM INFORMATION:</u> <b>ECM 107740</b> <b>11/20/2016</b> <b>MKIPPER</b>	<u>TITLE:</u>  <b>KK 156 PCB ASSY</b> <b>2145 RIGHT ANGLE SERIES</b>	<u>SHEET No.</u>  <b>- 2 -</b>
<b>AB</b>			
<u>DOCUMENT NUMBER:</u> <b>SDA-2145-001</b>	<u>CREATED / REVISED BY:</u> <b>MKIPPER</b>	<u>CHECKED BY:</u> <b>JBELL</b>	<u>APPROVED BY:</u> <b>FSMITH</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS	RAMPS	YES					RAMPS	YES
	COLOR:	WHITE					COLOR:	WHITE
	MOLD VOID:	NONE					MOLD VOID:	NONE
	TERM MATL:	BRASS					TERM MATL:	BRASS
	CONTACT:	STANDARD					CONTACT:	STANDARD
	PC TAIL (C):	.145 / 3.68					PC TAIL (C):	.145 / 3.68
	PLT CODE:	197 - TIN					PLT CODE:	P909 - TIN
	TERM VOID:	NONE					TERM VOID:	NONE
	PACKAGING:	TRAY PK-2145-001					PACKAGING:	TRAY PK-2145-001
Ckt	Material No					Material No		
2	09-52-1021					09-52-3021		
3	09-52-1031					09-52-3031		
4	09-52-1041					09-52-3041		
5	09-52-1051					09-52-3051		
6	09-52-1061					09-52-3061		
7	09-52-1071					09-52-3071		
8	09-52-1081					09-52-3081		
9	09-52-1091					09-52-3091		
10	09-52-1101					09-52-3101		
11	09-52-1111					09-52-3111		
12	09-52-1121					09-52-3121		
13	09-52-1131					09-52-3131		
14	09-52-1141					09-52-3141		
15	09-52-1151					09-52-3151		

<b>REV:</b>	<u>ECM INFORMATION:</u> <b>ECM 107740</b> <b>11/20/2016</b> <b>MKIPPER</b>	<u>TITLE:</u> <h2 style="text-align: center;">KK 156 PCB ASSY</h2> <h3 style="text-align: center;">2145 RIGHT ANGLE SERIES</h3>	<u>SHEET No.</u> <b>- 3 -</b>
<b>AB</b>			
<u>DOCUMENT NUMBER:</u> <b>SDA-2145-001</b>	<u>CREATED / REVISED BY:</u> <b>MKIPPER</b>	<u>CHECKED BY:</u> <b>JBELL</b>	<u>APPROVED BY:</u> <b>FSMITH</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

OPTIONS	RAMPS	YES	RAMPS	YES	RAMPS	NO	RAMPS	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	Material No	Material No	Material No	
2	09-53-3021	09-62-3021	09-62-3021	09-62-3021	09-62-3021	09-62-3021	09-62-3021	
3	09-53-3031	09-62-3031	09-62-3031	09-62-3031	09-62-3031	09-62-3031	09-52-3035	
4	09-53-3041	09-62-3041	09-62-3041	09-62-3041	09-62-3041	09-62-3041	09-52-3045	
5	09-53-3051	09-62-3051	09-62-3051	09-62-3051	09-62-3051	09-62-3051	09-52-3055	
6	09-53-3061	09-62-3061	09-62-3061	09-62-3061	09-62-3061	09-62-3061	09-52-3065	
7	09-53-3071	09-62-3071	09-62-3071	09-62-3071	09-62-3071	09-62-3071	09-52-3065	
8	09-53-3081	09-62-3081	09-62-3081	09-62-3081	09-62-3081	09-62-3081	09-52-3085	
9	09-53-3091	09-62-3091	09-62-3091	09-62-3091	09-62-3091	09-62-3091	09-52-3095	
10	09-53-3101	09-62-3101	09-62-3101	09-62-3101	09-62-3101	09-62-3101	09-52-3105	
11	09-53-3111	09-62-3111	09-62-3111	09-62-3111	09-62-3111	09-62-3111	09-52-3105	
12	09-53-3121	09-62-3121	09-62-3121	09-62-3121	09-62-3121	09-62-3121	09-52-3125	
13	09-53-3131	09-62-3131	09-62-3131	09-62-3131	09-62-3131	09-62-3131	09-52-3125	
14	09-53-3141	09-62-3141	09-62-3141	09-62-3141	09-62-3141	09-62-3141	09-52-3125	
15	09-53-3151	09-62-3151	09-62-3151	09-62-3151	09-62-3151	09-62-3151	09-52-3155	

<b>REV:</b>	<u>ECM INFORMATION:</u> <b>ECM 107740</b> <b>11/20/2016</b> <b>MKIPPER</b>	<u>TITLE:</u> <h2 style="text-align: center;">KK 156 PCB ASSY</h2> <h3 style="text-align: center;">2145 RIGHT ANGLE SERIES</h3>	<u>SHEET No.</u> <b>- 4 -</b>
<b>AB</b>			
<u>DOCUMENT NUMBER:</u> <b>SDA-2145-001</b>	<u>CREATED / REVISED BY:</u> <b>MKIPPER</b>	<u>CHECKED BY:</u> <b>JBELL</b>	<u>APPROVED BY:</u> <b>FSMITH</b>



# KK 156 PCB ASSY

## 2145 RIGHT ANGLE SERIES

			RAMPS	YES	RAMPS	YES	RAMPS	
			COLOR:	WHITE	COLOR:	WHITE	COLOR:	
			MOLD VOID:	NONE	MOLD VOID:	NONE	MOLD VOID:	
			TERM MATL:	PHOS BRONZE	TERM MATL:	PHOS BRONZE	TERM MATL:	
			CONTACT:	STANDARD	CONTACT:	LOW FORCE	CONTACT:	
			PC TAIL (C):	.145 / 3.68	PC TAIL (C):	.145 / 3.68	PC TAIL (C):	
			PLT CODE:	P909 – TIN	PLT CODE:	197 – TIN	PLT CODE:	
			TERM VOID:	NONE	TERM VOID:	NONE	TERM VOID:	
			PACKAGING:	TRAY PK-2145-001	PACKAGING:	TRAY PK-2145-001	PACKAGING:	
			Material No		Material No		Material No	
			09-52-3028		50-29-0036			
			09-52-3038		50-29-0037 09-52-1030			
			09-52-3048		50-29-0038			
			09-52-3058		50-29-0039			
			09-52-3068		09-52-1060			
			09-52-3078		50-29-0040			
			09-52-3088		09-52-1080			
			09-52-3098		50-29-0041			
			09-52-3108		09-52-1100			
			09-52-3118		50-29-0042			
			09-52-3128		09-52-1120			
			09-52-3138		50-29-0043			
			09-52-3148		09-52-1140			
			09-52-3158		50-29-0044			

<b>REV:</b>	<b>ECM INFORMATION:</b>	<b>TITLE:</b>	<b>SHEET No.</b>
<b>AB</b>	<b>ECM 107740</b> <b>11/20/2016</b> <b>MKIPPER</b>	<b>KK 156 PCB ASSY</b> <b>2145 RIGHT ANGLE SERIES</b>	<b>- 5 -</b>
<b>DOCUMENT NUMBER:</b>	<b>CREATED / REVISED BY:</b>	<b>CHECKED BY:</b>	<b>APPROVED BY:</b>
<b>SDA-2145-001</b>	<b>MKIPPER</b>	<b>JBELL</b>	<b>FSMITH</b>