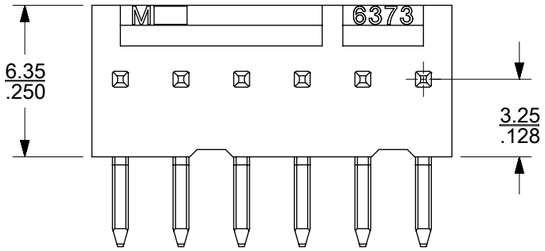
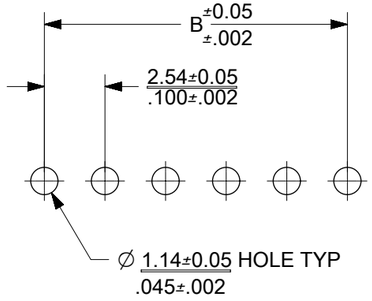
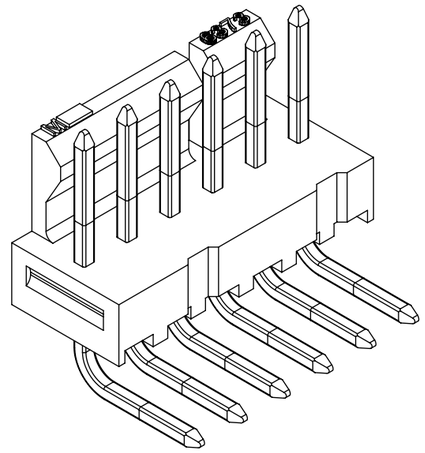
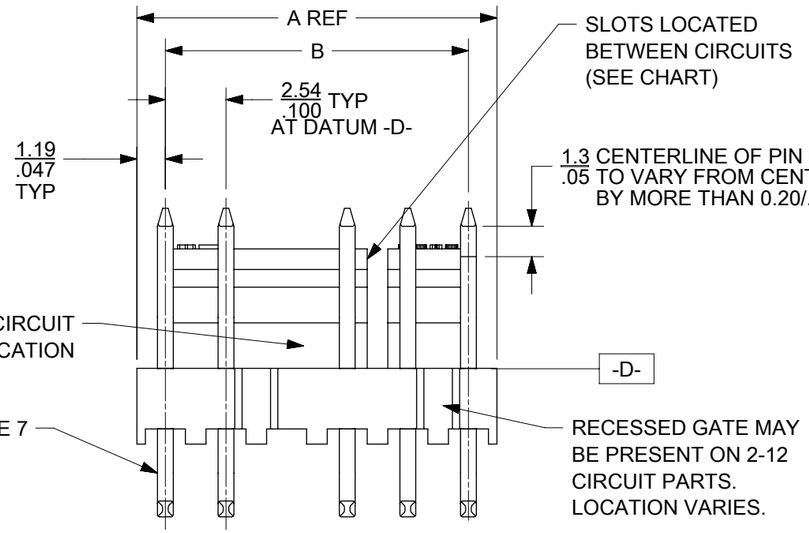
CKT	A	B	SLOTS LOCATION
02	4.93 .194	2.54±0.05 .100±.002	NONE
03	7.47 .294	5.08±0.10 .200±.004	NONE
04	10.01 .394	7.62±0.15 .300±.006	NONE
05	12.55 .494	10.16±0.15 .400±.006	NONE
06	15.09 .594	12.70±0.18 .500±.007	4, 5
07	17.63 .694	15.24±0.18 .600±.007	4, 5
08	20.17 .794	17.78±0.20 .700±.008	4, 5
09	22.71 .894	20.32±0.20 .800±.008	4, 5
10	25.25 .994	22.86±0.23 .900±.009	4, 5
11	27.79 1.094	25.40±0.23 1.000±.009	4, 5 8, 9
12	30.33 1.194	27.94±0.25 1.100±.010	4, 5 8, 9

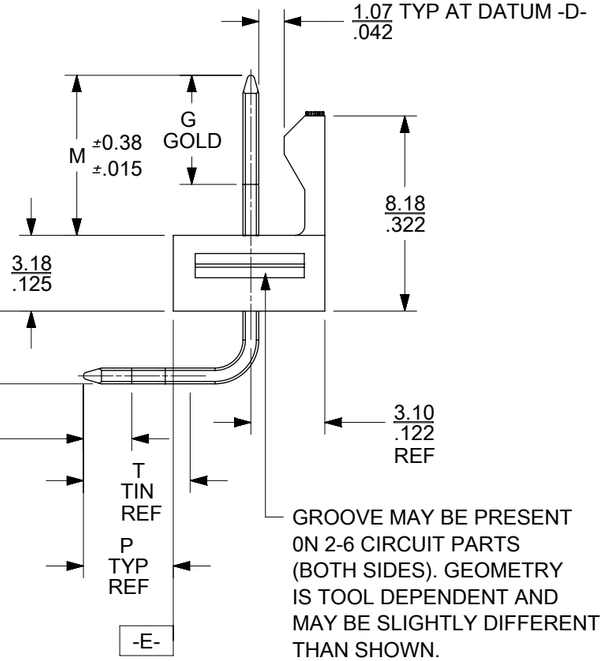




PCB LAYOUT: COMPONENT SIDE

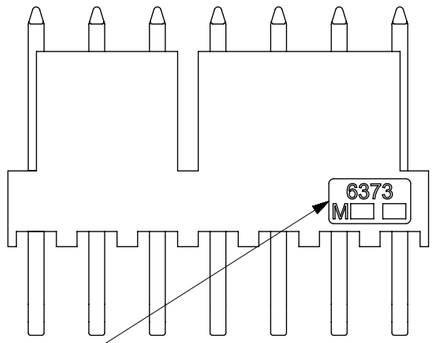






CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN *** IN ANY DIRECTION.

DIMENSION P UNDER (3.58)/.141 = (0.13)/.005
DIMENSION P OVER (3.61)/.142 = (0.30)/.012



ALTERNATE ENGRAVING LOCATION (7-12 CKT PARTS ONLY). LOCATION IS DEPENDENT ON TOOLING.

NOTES:
1. MATERIAL: HOUSING: NYLON, UL 94V-1, COLOR: BLACK
   PINS: BRASS
2. FINISH:
   (197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
   (208) = SELECT GOLD: 0.00038/.000015 MIN, SELECT MATTE TIN: 0.00254/.000100 MIN, BOTH OVER 0.00127/.000050 MIN NICKEL.
   (228) = SELECT GOLD: 0.00076/.000030 MIN, SELECT MATTE TIN: 0.00254/.000100 MIN, BOTH OVER 0.00127/.000050 MIN NICKEL.
3. PRODUCT SPECIFICATION AND PROCESS PARAMETERS: PS-171856-0001, PS-171856-0002
4. PACKAGING INFORMATION: SEE CHART.
5. MATES WITH 4455, 2695, 6471 SERIES
6. PARTS ARE STACKABLE END TO END ON 2.54/.100 CENTERS.
7. CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION. CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE MATING HOUSING.
8. PIN PUSHOUT FORCE: 2 LBS MIN.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
10. THE PARTS LISTED ON THIS DRAWING ARE CONSTRUCTED TO MEET THE REQUIREMENT FOR DIRECT SUPPORT OF UNINSULATED LIVE PARTS AS DESCRIBED IN UL508C.

RELEASE STATUS		RELEASE DATE	

QUALITY SYMBOLS
FA = 0
FC = 0
FB = 0
▼ = 0
C = 0
☒ = 0
■ = 0
E = 0

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

EC NO: 797802 2021/02/22
DRWN: YVENKATESWAR 2024/09/10
CHK'D: VKAMAK 2024/09/11
APPR: ISHWARG
REV: B2

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM/IN
SCALE: 4:1
DRWN BY: MKIPPER DATE: 2012/12/05
CHK'D BY: SSOUSEK DATE: 2012/12/12
APPR BY: FSMITH DATE: 2013/06/11
DRAWING SIZE: B
THIRD ANGLE PROJECTION

molex®

KK RPC .100 RIGHT ANGLE
HEADER ASSEMBLY FRICTION LOCK

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
171857	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171857-0001	PSD	000	1 OF *

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

GROUP:	171857-0002/-0012			
PLATING:	197			
MATING: (M)	6.73 / .265			
DIM. G:	N/A			
PC TAIL: (P)	2.54 / .100			
DIM T:	OVERALL			
PACKAGING:	PK-7478-001 BULK			
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-0002			
3	171857-0003			
4	171857-0004			
5	171857-0005			
6	171857-0006			
7	171857-0007			
8	171857-0008			
9	171857-0009			
10	171857-0010			
11	171857-0011			
12	171857-0012			

GROUP:	171857-1002/-1012			
PLATING:	208			
MATING: (M)	6.73 / .265			
DIM. G:	5.08 / .200			
PC TAIL: (P)	2.54 / .100			
DIM T:	3.43 / .135			
PACKAGING:	PK-7478-001 BULK			
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-1002			
3	171857-1003			
4	171857-1004			
5	171857-1005			
6	171857-1006			
7	171857-1007			
8	171857-1008			
9	171857-1009			
10	171857-1010			
11	171857-1011			
12	171857-1012			

GROUP:	171857-2002/-2012			
PLATING:	228			
MATING: (M)	6.73 / .265			
DIM. G:	5.08 / .200			
PC TAIL: (P)	2.54 / .100			
DIM T:	3.43 / .135			
PACKAGING:	PK-7478-001 BULK			
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-2002			
3	171857-2003			
4	171857-2004			
5	171857-2005			
6	171857-2006			
7	171857-2007			
8	171857-2008			
9	171857-2009			
10	171857-2010			
11	171857-2011			
12	171857-2012			

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A4	EC No.: **797802** DATE: **9/11/2024**	**KK RPC 100 RIGHT ANGLE HEADER ASSEMBLY, FRICTION LOCK**	**- 2 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD - 171857 - 0001	**MKIPPER**	**NNGUYEN**	**FSMITH**

GROUP:		171857-0102/-0112		
PLATING:		197		
MATING: (M)		6.71 / .264		
DIM. G:		N/A		
PC TAIL: (P)		3.58 / .141		
DIM T:		OVERALL		
PACKAGING:		PK-7478-001 BULK		
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-0102			
3	171857-0103			
4	171857-0104			
5	171857-0105			
6	171857-0106			
7	171857-0107			
8	171857-0108			
9	171857-0109			
10	171857-0110			
11	171857-0111			
12	171857-0112			

GROUP:		171857-1102/-1112		
PLATING:		208		
MATING: (M)		6.71 / .264		
DIM. G:		4.57 / .180		
PC TAIL: (P)		3.58 / .141		
DIM T:		3.43 / .135		
PACKAGING:		PK-7478-001 BULK		
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-1102			
3	171857-1103			
4	171857-1104			
5	171857-1105			
6	171857-1106			
7	171857-1107			
8	171857-1108			
9	171857-1109			
10	171857-1110			
11	171857-1111			
12	171857-1112			

GROUP:				
PLATING:				
MATING: (M)				
DIM. G:				
PC TAIL: (P)				
DIM T:				
PACKAGING:				
CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A4	EC No.: **797802** DATE: **9/11/2024**	**KK RPC 100 RIGHT ANGLE HEADER ASSEMBLY, FRICTION LOCK**	**- 3 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD - 171857 - 0001	**MKIPPER**	**NNGUYEN**	**FSMITH**

GROUP:	171857-3002/-3012
PLATING:	197
MATING: (M)	6.73 / .265
DIM. G:	N/A
PC TAIL: (P)	2.54 / .100
DIM T:	OVERALL
PACKAGING:	PK-171857-0001 TAPE AND REEL

CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-3002			
3	171857-3003			
4	171857-3004			
5	171857-3005			
6	171857-3006			
7	171857-3007			
8	171857-3008			
9	171857-3009			
10	171857-3010			
11	171857-3011			
12	171857-3012			

GROUP:	171857-4002/-4012
PLATING:	208
MATING: (M)	6.73 / .265
DIM. G:	5.08 / .200
PC TAIL: (P)	2.54 / .100
DIM T:	3.43 / .135
PACKAGING:	PK-171857-0001 TAPE AND REEL

CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2	171857-4002			
3	171857-4003			
4	171857-4004			
5	171857-4005			
6	171857-4006			
7	171857-4007			
8	171857-4008			
9	171857-4009			
10	171857-4010			
11	171857-4011			
12	171857-4012			

GROUP:	171857-5002/-5012
PLATING:	208
MATING: (M)	6.73/.265
DIM. G:	5.08/.200
PC TAIL: (P)	2.00/.078
DIM T:	3.43 / .135
PACKAGING:	PK-171857-0001 TAPE AND REEL

CKTS	MATERIAL NUMBER	CKTS	MATERIAL NUMBER	VOID CKT
2				
3				
4	171857-5004			
5				
6				
7				
8				
9				
10				
11				
12				

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A4	EC No.: **797802** DATE: **9/11/2024**	**KK RPC 100 RIGHT ANGLE HEADER ASSEMBLY, FRICTION LOCK**	**- 4 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD - 171857 - 0001	**MKIPPER**	**NNGUYEN**	**FSMITH**