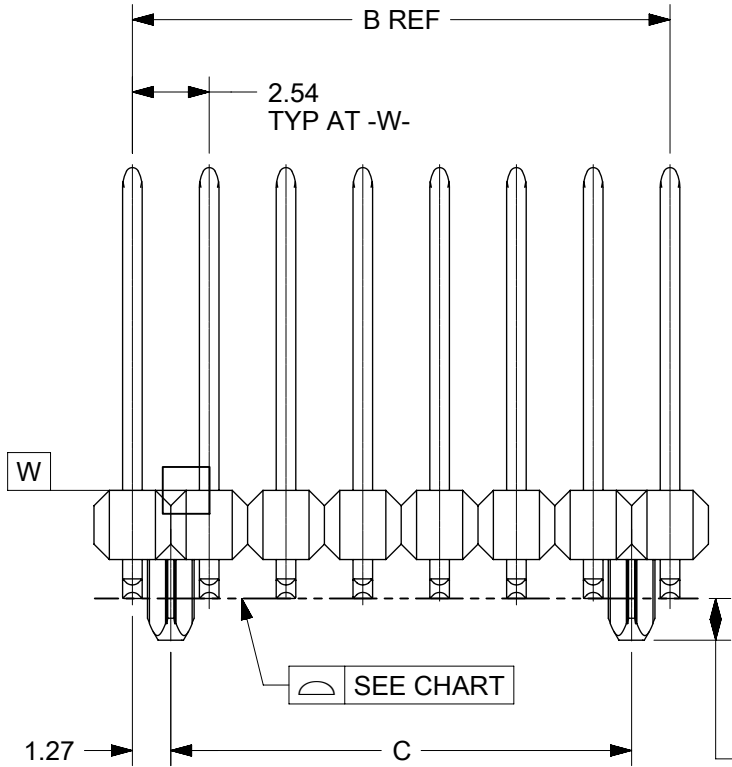
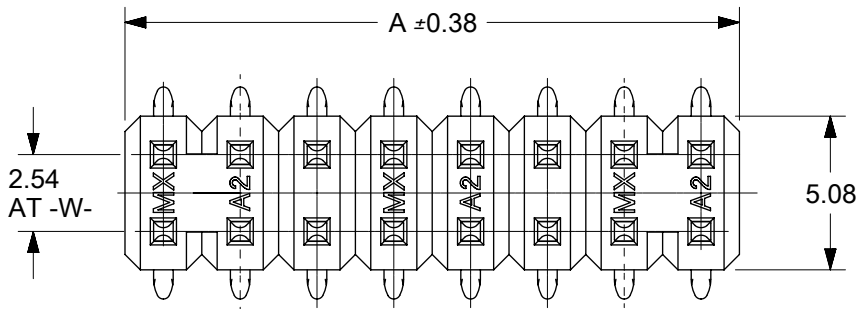
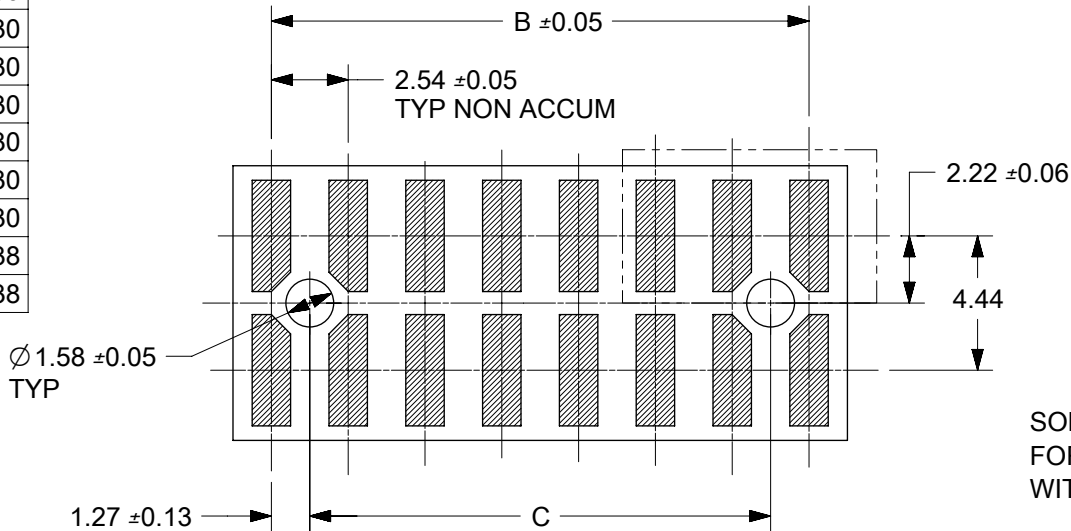


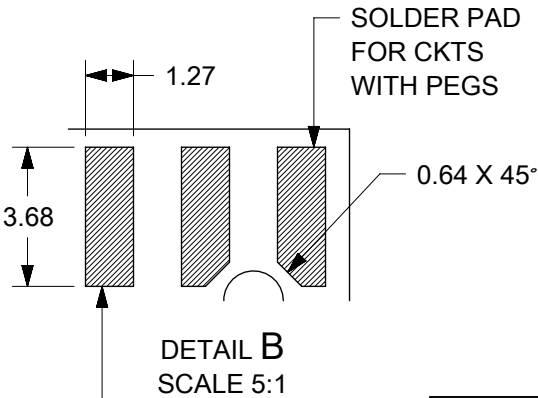
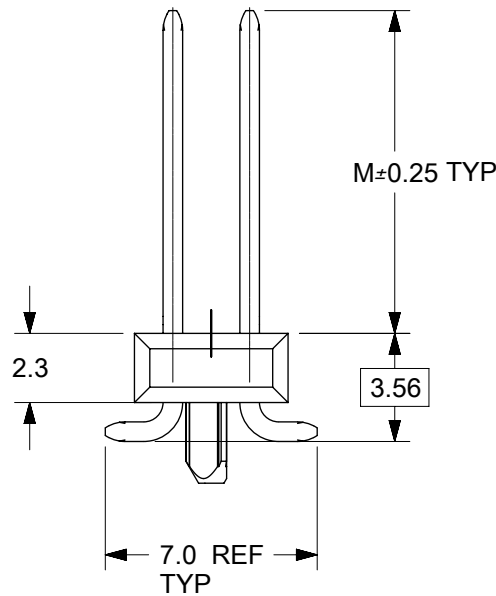
CKTS	DIM A	DIM B	DIM C	
4	5.08	2.54	NA	0.10
6	7.62	5.08	2.54	0.10
8	10.16	7.62	5.08	0.10
10	12.70	10.16	7.62	0.10
12	15.24	12.70	10.16	0.10
14	17.78	15.24	12.70	0.10
16	20.32	17.78	15.24	0.10
18	22.86	20.32	17.78	0.10
20	25.40	22.86	20.32	0.10
22	27.94	25.40	22.86	0.15
24	30.48	27.94	25.40	0.15
26	33.02	30.48	27.94	0.15
28	35.56	33.02	30.48	0.15
30	38.10	35.56	33.02	0.15
32	40.64	38.10	35.56	0.15
34	43.18	40.64	38.10	0.15
36	45.72	43.18	40.64	0.15
38	48.26	45.72	43.18	0.15
40	50.80	48.26	45.72	0.15
42	53.34	50.80	48.26	0.23
44	55.88	53.34	50.80	0.23
46	58.42	55.88	53.34	0.23
48	60.96	58.42	55.88	0.23
50	63.50	60.96	58.42	0.23
52	66.04	63.50	60.96	0.23
54	68.58	66.04	63.50	0.23
56	71.12	68.58	66.04	0.23
58	73.66	71.12	68.58	0.23
60	76.20	73.66	71.12	0.23
62	78.74	76.20	73.66	0.30
64	81.28	78.74	76.20	0.30
66	83.82	81.28	78.74	0.30
68	86.36	83.82	81.28	0.30
70	88.90	86.36	83.82	0.30
72	91.44	88.90	86.36	0.30
74	93.98	91.44	88.90	0.30
76	96.52	93.98	91.44	0.30
78	99.06	96.52	93.98	0.30
80	101.60	99.06	96.52	0.30
90	114.30	111.76	109.22	0.38
100	127.00	124.46	122.06	0.38



PEG OPTIONS
NO PEG
1.40 = SHORT PEG
3.30 = LONG PEG

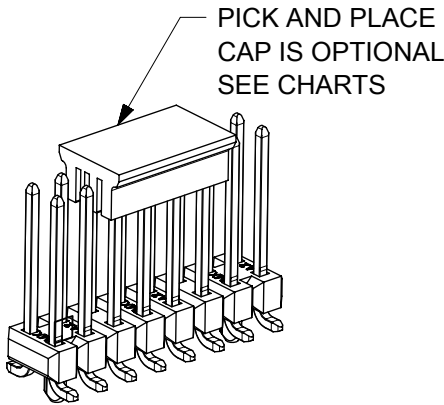


PCB LAYOUT: COMPONENT SIDE
(FOR CKT 04,06 AND 08 REFER SHEET 2)



SOLDER PAD
FOR CKTS
WITHOUT PEGS

- NOTES:
- HOUSING MATERIAL: LCP, UL 94V-0 COLOR: BLACK
PIN MATERIAL: COPPER ALLOY
 - FINISH:
124 = BRIGHT TIN: 3.81 MICROMETERS MIN OVER MATTE NICKEL
207 = SELECT GOLD: 0.38 MICROMETERS MIN IN CONTACT AREA
SELECT BRIGHT TIN: 2.0 MICROMETERS MIN IN SMT TAIL
BOTH OVER NICKEL.
206 = SELECT GOLD: 0.75 MICROMETERS MIN IN CONTACT AREA
SELECT BRIGHT TIN: 2.0 MICROMETERS MIN IN SMT TAIL
BOTH OVER NICKEL.
197 = REFLOW MATTE TIN: 1.52 MICROMETERS MIN OVER MATTE NICKEL
222 = MATTE TIN: 2.54 MICROMETERS MIN OVER MATTE NICKEL
118 = BRIGHT TIN: 1.52 MICROMETERS MIN OVER NICKEL
 - PRODUCT SPECIFICATION: PS-71308
 - PACKAGING SPECIFICATION: SEE CHART
 - COSMETIC SPECIFICATION: PS-45499-002 CLASS B
 - SOLDERABILITY SPECIFICATION: SMES-152

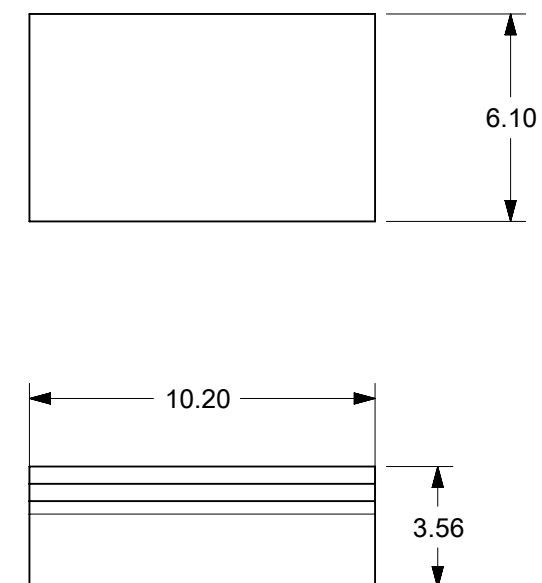
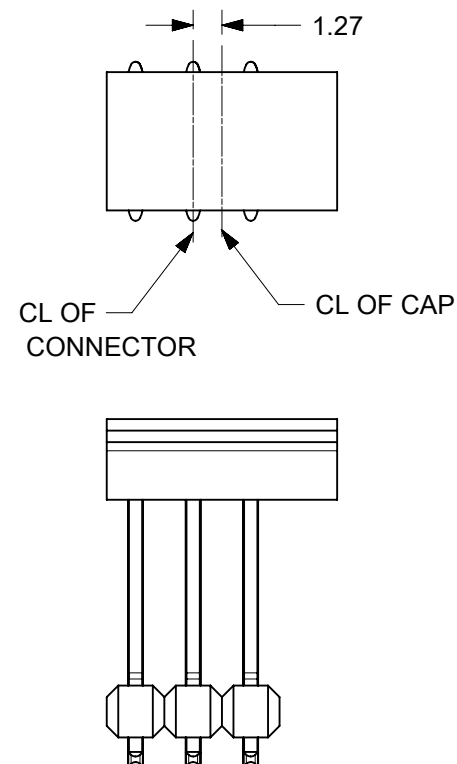
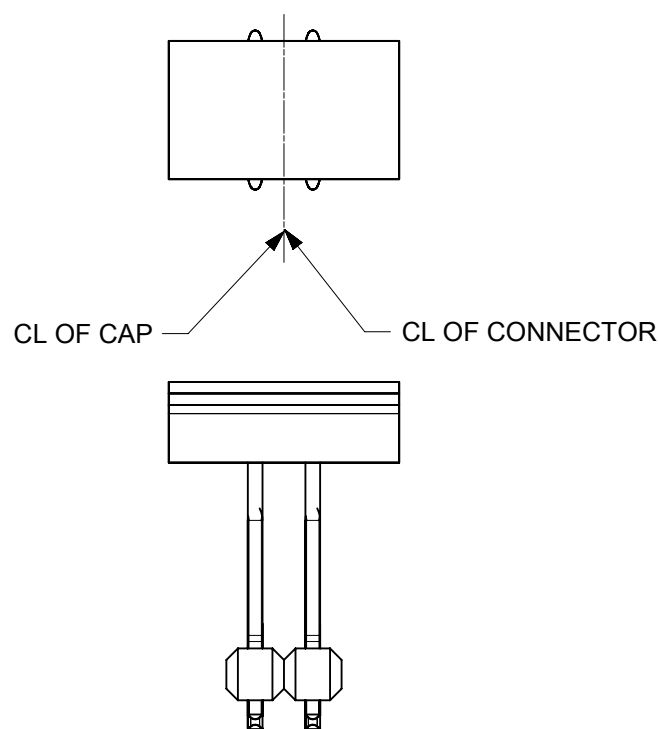


DRAWING SHEET INDEX		
SHEET NO	PEG STYLE	DIM M MATING HEIGHT
2	NONE	6.10
3	NONE	6.10
4	NONE	8.13
5	LONG	6.10
6	LONG	8.13
7	SHORT	6.10
8	SHORT	8.13
9	PARTS WITH VOIDS	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515981						molex	
mm		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)										CGRID HEADER ASSY VERTICAL DUAL ROW SMT	
ANGULAR TOL ± °											
4 PLACES		±		EC NO: 837786 DRWN: SANATK1							

PICK AND PLACE CAP DIMENSIONS

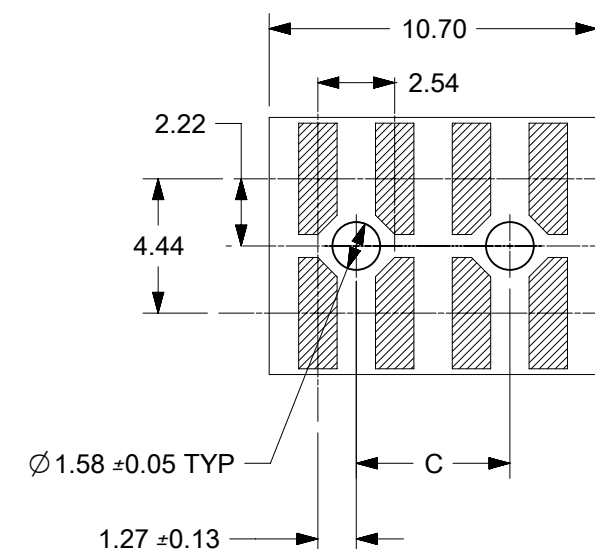
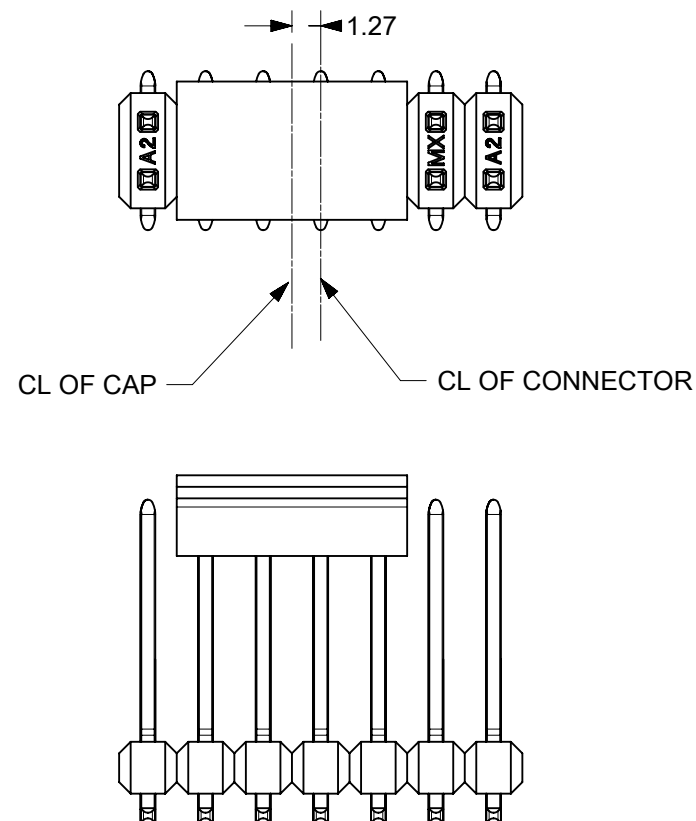
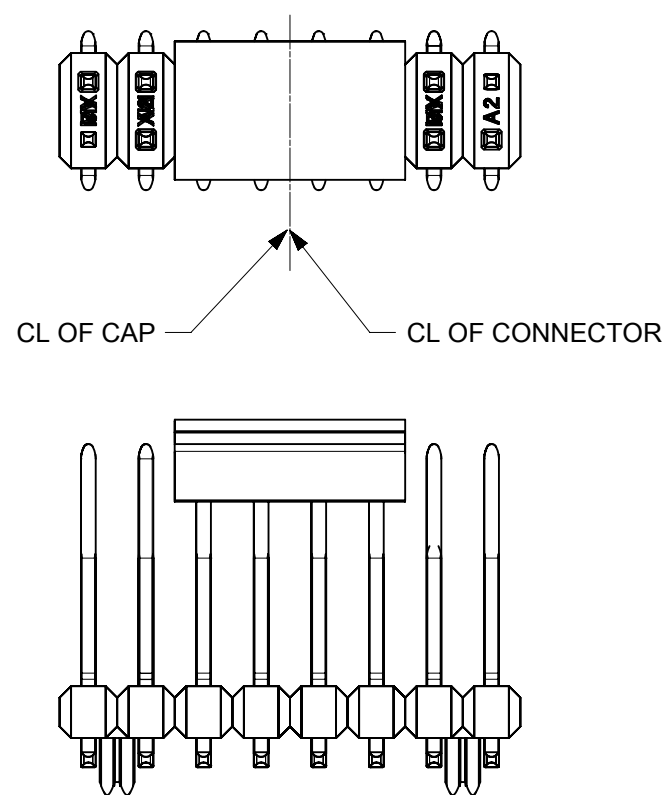
FOR CKT 06



KEEP OUT ZONE FOR CKT 04, 06 and 08
AS CAP DIM IS LARGER THAN PART DIM

FOR CKT 12,16,20,24,28,32,36,40,44,48,52,56,60
64,68,72,76,80,84,88,92,96 and 100

FOR CKT 10,14,18,22,26,30,34,38,42,46,50,54,58
62,66,70,74,78,82,86,90,94 and 98



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
DIMENSION UNITS mm	SCALE 5:1	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515981			molex			
GENERAL TOLERANCES (UNLESS SPECIFIED)					CGRID HEADER ASSY VERTICAL DUAL ROW SMT			
ANGULAR TOL ± °								
4 PLACES	±	EC NO: 837786						
3 PLACES	±	DRWN: SANATK1			2025/10/24			
2 PLACES	± 0.13	CHK'D: GGA			2025/10/28			
1 PLACE	± 0.25	APPR: GGA			2025/10/28			
0 PLACES	± 0.0	INITIAL REVISION:			PRODUCT CUSTOMER DRAWING			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING A3-SIZE	SERIES 71308	DOCUMENT NUMBER 713080000-SD	DOC TYPE PSD	DOC PART 000	REVISION A13
					MATERIAL NUMBER SEE TABLE	CUSTOMER	SHEET NUMBER 2 OF 10	

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/28	09:23:46
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FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

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PLATING:	124 - BRIGHT TIN	124 - BRIGHT TIN	124 - BRIGHT TIN	207 - 0.38 SGOLD	207 - 0.38 SGOLD	207 - 0.38 SGOLD	206 - 0.76 SGOLD	206 - 0.76 SGOLD	206 - 0.76 SGOLD
PACKAGING:	TUBE 713080001-PK	TUBE 713080002-PK	T&R 713080000-PK STYLE A	TUBE 713080001-PK	TUBE 713080002-PK	T&R 713080000-PK STYLE A	TUBE 713080001-PK	TUBE 713080002-PK	T&R 713080000-PK STYLE A
PICK AND PLACE CAPS	NO	YES	YES	NO	YES	YES	NO	YES	YES
CKTS:	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
4	015-91-2040	NA	015-91-6040	015-91-0040	NA	015-91-6042	015-91-3040	NA	
6	015-91-2060 / 71308-9060	NA	015-91-6060	015-91-0060	NA	015-91-6062	015-91-3060 / 71308-9061	NA	015-91-6063
8	015-91-2080 / 71308-9080		015-91-6080	015-91-0080		015-91-6082	015-91-3080		015-91-6083
10	015-91-2100		015-91-6100	015-91-0100		015-91-6102	015-91-3100 / 71308-3110		015-91-6103
12	015-91-2120		015-91-6120	015-91-0120		015-91-6122	015-91-3120	015-91-3128	015-91-6123
14	015-91-2140		015-91-6140	015-91-0140 / 71308-9140		015-91-6142	015-91-3140		015-91-6143
16	015-91-2160			015-91-0160		015-91-6162	015-91-3160		
18	015-91-2180	015-91-3187		015-91-0180			015-91-3180	015-91-3188	
20	015-91-2200			015-91-0200 / 71308-9200			015-91-3200		
22	015-91-2220	015-91-3227		015-91-0220	015-91-3226		015-91-3220	015-91-3228	
24	015-91-2240			015-91-0240	015-91-3246		015-91-3240	015-91-3248	
26	015-91-2260			015-91-0260		015-91-6262	015-91-3260		
28	015-91-2280	015-91-3287		015-91-0280	015-91-3286		015-91-3280	015-91-3288	
30	015-91-2300	015-91-3307		015-91-0300			015-91-3300	015-91-3308	
32	015-91-2320			015-91-0320	015-91-3326		015-91-3320	015-91-3328	
34	015-91-2340			015-91-0340			015-91-3340	015-91-3348	
36	015-91-2360	015-91-3367		015-91-0360	015-91-3366		015-91-3360	015-91-3368	
38	015-91-2380	015-91-3387		015-91-0380	015-91-3386		015-91-3380	015-91-3388	
40	015-91-2400	015-91-3407		015-91-0400			015-91-3400	015-91-3408	
42	015-91-2420	015-91-3427		015-91-0420	015-91-3426		015-91-3420	015-91-3428	
44	015-91-2440	015-91-3447		015-91-0440	015-91-3446		015-91-3440	015-91-3448	
46	015-91-2460	015-91-3467		015-91-0460	71308-0546		015-91-3460	015-91-3468	
48	015-91-2480	015-91-3487		015-91-0480	015-91-3486				
50	015-91-2500	015-91-3507		015-91-0500			015-91-3500	015-91-3508	
52	015-91-2520	015-91-3527		015-91-0520	015-91-3526		015-91-3520	015-91-3528	
54	015-91-2540	015-91-3547		015-91-0540	015-91-3546		015-91-3540	015-91-3548	
56	015-91-2560	015-91-3567		015-91-0560	015-91-3566		015-91-3560	015-91-3568	
58	015-91-2580	015-91-3587		015-91-0580	015-91-3586		015-91-3580	015-91-3588	
60	015-91-2600	015-91-3607		015-91-0600	015-91-3606		015-91-3600	015-91-3608	
62	015-91-2620	015-91-3627		015-91-0620	015-91-3626				
64	015-91-2640	015-91-3647		015-91-0640	015-91-3646		015-91-3640	015-91-3648	
66	015-91-2660	015-91-3667		015-91-0660	015-91-3666		015-91-3660	015-91-3668	
68	015-91-2680	015-91-3687		015-91-0680	015-91-3686		015-91-3680	015-91-3688	
70	015-91-2700	015-91-3707		015-91-0700	015-91-3706		015-91-3700	015-91-3708	
72	015-91-2720	015-91-3727		015-91-0720	015-91-3726		015-91-3720	015-91-3728	
74	015-91-2740	015-91-3747		015-91-0740	015-91-3746		015-91-3740	015-91-3748	
76	015-91-2760	015-91-3767		015-91-0760	015-91-3766		015-91-3760	015-91-3768	
78	015-91-2780	015-91-3787		015-91-0780	015-91-3786		015-91-3780	015-91-3788	
80	015-91-2800	015-91-3807		015-91-0800	015-91-3806		015-91-3800		
90				71308-0190					
100	71308-0101	71308-0500		71308-0200	71308-0600		71308-0300	71308-0700	

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10	9	8	7	6	5	4	3	2	1	
PLATING:	124 - BRIGHT TIN	124 - BRIGHT TIN	197 - REFLOW TIN	197 - REFLOW TIN	207 - 0.38 SGOLD	207 - 0.38 SGOLD	206 - 0.76 SGOLD	118 - BRIGHT TIN	118 - BRIGHT TIN	
PACKAGING:	TUBE 713080003-PK	T&R 713080000-PK STYLE B	TUBE 713080003-PK	T&R 713080000-PK STYLE B	TUBE 713080003-PK	T&R 713080000-PK STYLE B	TUBE 713080003-PK	T&R 713080000-PK STYLE B	TUBE 713080003-PK	
PICK AND PLACE CAPS	NO	YES	NO	YES	NO	YES	NO	YES	NO	
CKTS:	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
4	71308-8004				015-91-0048		015-91-5049			
6	71308-8006				015-91-0068		015-91-5069			
8	71308-8008				015-91-0088	71308-6908	015-91-5089			
10	71308-8010				015-91-0108		015-91-5109		71308-5810	
12	71308-8012				015-91-0128					
14	71308-8014				015-91-0148					
16	71308-8016		71308-8017		015-91-0168		015-91-5169		71308-5816	
18	71308-8018				015-91-0188		015-91-5189			
20	71308-8020				015-91-0208		015-91-5209			
22	71308-8022				015-91-0228		015-91-5229			
24	71308-8024	71308-8124			015-91-0248		015-91-5249	71308-5724	71308-5824	
26	71308-8026				015-91-0268		015-91-5269			
28	71308-8028				015-91-0288		015-91-5289			
30	71308-8030				015-91-0308		015-91-5309			
32	71308-8032									
34	71308-8034				015-91-0348		015-91-5349			
36	71308-8036				015-91-0368		015-91-5369			
38	71308-8038				015-91-0388		015-91-5389			
40	71308-8040				015-91-0408		015-91-5409			
42	71308-8042				015-91-0428		015-91-5429			
44	71308-8044				015-91-0448		015-91-5449			
46	71308-8046				015-91-0468		015-91-5469			
48	71308-8048				015-91-0488		015-91-5489			
50	71308-8050				015-91-0508		015-91-5509			
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58	71308-8058				015-91-0588		015-91-5589			
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66	71308-8066				015-91-0668		015-91-5669			
68	71308-8068				015-91-0688		015-91-5689			
70	71308-8070				015-91-0708		015-91-5709			
72	71308-8072				015-91-0728		015-91-5729			
74	71308-8074				015-91-0748		015-91-5749			
76	71308-8076				015-91-0768		015-91-5769			
78	71308-8078				015-91-0788		015-91-5789			
80	71308-8080				015-91-0808		015-91-5809			
100					71308-1200		71308-1300			

10

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F

E

D

C

B

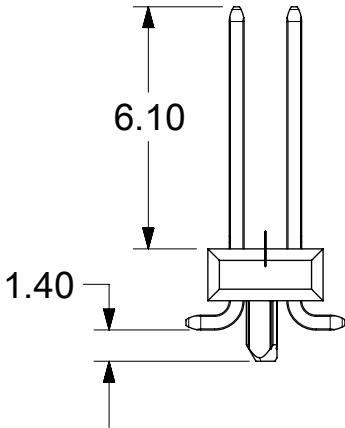
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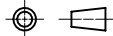
PLATING:	124 - BRIGHT TIN	124 - BRIGHT TIN	206 - 0.76 SGOLD	206 - 0.76 SGOLD	118 - BRIGHT TIN	118 - BRIGHT TIN		
PACKAGING:	TUBE 713080001-PK	T&R 713080000-PK STYLE C	TUBE 713080001-PK	T&R 713080000-PK STYLE C	TUBE 713080001-PK	T&R 713080000-PK STYLE C		
PICK AND PLACE CAPS	NO	YES	NO	YES	NO	YES		
CKTS:	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
4			015-91-1048					
6	71308-6106		015-91-1068		71308-6706			
8			015-91-1088		71308-6708			
10	71308-6110		015-91-1108		71308-6710			
12			015-91-1128					
14			015-91-1148					
16			015-91-1168					
18			015-91-1188					
20			015-91-1208					
22			015-91-1228					
24			015-91-1248					
26	71308-6126		015-91-1268		71308-6726			
28			015-91-1288					
30			015-91-1308					
32			015-91-1328					
34			015-91-1348					
36			015-91-1368					
38			015-91-1388					
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42			015-91-1428					
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46			015-91-1468					
48			015-91-1488					
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52			015-91-1528					
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70			015-91-1708					
72			015-91-1728					
74			015-91-1748					
76			015-91-1768					
78			015-91-1788					
80			015-91-1808					
100			71308-6100					

PARTS ON THIS SHEET HAVE
SHORT PEGS WITH
A MATING HEIGHT OF 6.10

6.10

1.40



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515981								
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± °												
4 PLACES		±		EC NO: 837786		2025/10/24						
3 PLACES		±		DRWN: SANATK1								
2 PLACES		± 0.13		CHK'D: GGA								
1 PLACE		± 0.25		APPR: GGA		2025/10/28						
0 PLACES		± 0.0		INITIAL REVISION:		2017/09/07						
				DRWN: KSAMIEC								
				APPR: FSMITH		2018/07/03						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING	SERIES	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
				A3-SIZE		71308		713080000-SD		PSD	000	A13
						SEE TABLE				SHEET NUMBER		
										8 OF 10		

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/28	09:23:46
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9

8

7

6

5

4

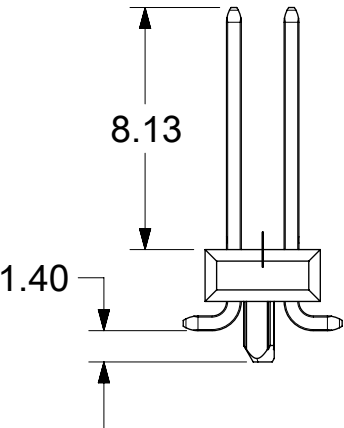
3

2

1

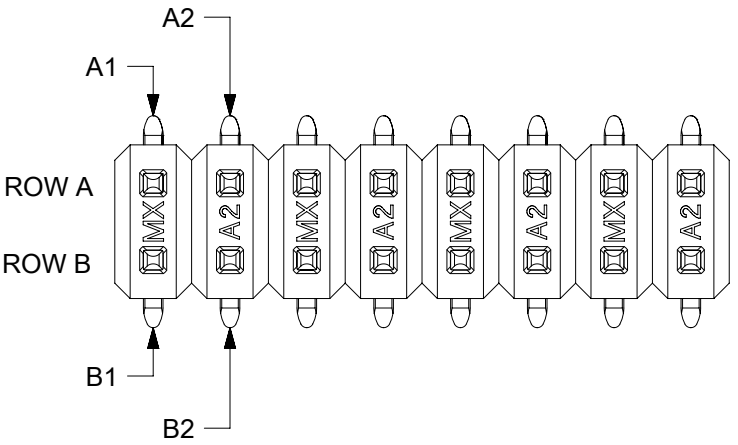
10	9	8	7	6	5	4	3	2	1
PLATING:	197 - REFLOW TIN	197 - REFLOW TIN	197 - REFLOW TIN						
PACKAGING:	T&R 713080000-PK STYLE D	TUBE 713080004-PK	TUBE 713080003-PK						
PICK AND PLACE CAPS	YES	YES	NO						
CKTS:	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	
4									
6									
8	71308-8409	71308-8408	71308-8508						
10									
12									
14									
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18									
20	71308-8421	71308-8420	71308-8520						
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28									
30									
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PARTS ON THIS SHEET HAVE
SHORT PEGS WITH
A MATING HEIGHT OF 8.13



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC; REMOVED OBSOLETE PART NUMBERS AS PER PCN#515981			molex						
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)							CGRID HEADER ASSY VERTICAL DUAL ROW SMT						
ANGULAR TOL ± °													
EC NO: 837786													
4 PLACES		±					DRWN: SANATK1		2025/10/24		PRODUCT CUSTOMER DRAWING		
3 PLACES		±		CHK'D: GGA		2025/10/28							
2 PLACES		± 0.13		APPR: GGA		2025/10/28							
1 PLACE		± 0.25		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES		± 0.0		DRWN: KSAMIEC		2017/09/07		713080000-SD		PSD	000	A13	
				APPR: FSMITH		2018/07/03							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE	71308	SEE TABLE				9 OF 10

MATERIAL NO	MADE FROM	NO OF CKTS	VOID LOCATION	PICK AND PLACE CAP	PACKAGING
	71308-0010	10	A5	711331000	713080002-PK
	71308-0110	10	A2	711331000	713080002-PK
	71308-0132	32	A9	711331000	713080002-PK
	71308-0110	10	A5	711331000	713080002-PK
	71308-0140	14	B5	711331000	713080002-PK
	71308-0110	10	B5	711331000	713080002-PK
	71308-0110	10	B5	711331000	713080000-PK STYLE A
71308-9312	71308-1504	04	A1	711331000	713080000-PK STYLE A



CIRCUIT IDENTIFICATION FOR VOIDED CKT ONLY

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/28	09:23:46
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FORMAT: master-b-prod-A3
REVISION: J1
DATE: 2021/05/01

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515981				molex					
mm		5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)								CGRID HEADER ASSY VERTICAL DUAL ROW SMT					
ANGULAR TOL ± °													
4 PLACES		±		EC NO: 837786		2025/10/24							
3 PLACES		±		DRWN: SANATK1									
2 PLACES		± 0.13		CHK'D: GGA									
1 PLACE		± 0.25		APPR: GGA		2025/10/28							
0 PLACES		± 0.0		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: KSAMIEC		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				APPR: FSMITH		713080000-SD		PSD		000		A13	
				2017/09/07		2018/07/03							
		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		71308		SEE TABLE				10 OF 10	

molex

CGRID HEADER ASSY VERTICAL DUAL ROW SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
713080000-SD	PSD	000	A13