

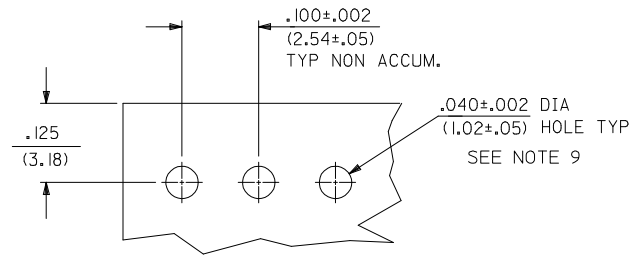
CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN .005/(0.13) IN ANY DIRECTION

OPTIONAL KINK PIN SEE CHART SEE NOTE 9

CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN .005/(0.13) IN ANY DIRECTION

CKTS	DIM A	DIM B
2	.100 (2.54)	.195 (4.95)
3	.200 (5.08)	.295 (7.49)
4	.300 (7.62)	.395 (10.03)
5	.400 (10.16)	.495 (12.57)
6	.500 (12.70)	.595 (15.11)
7	.600 (15.24)	.695 (17.65)
8	.700 (17.78)	.795 (20.19)
9	.800 (20.32)	.895 (22.73)
10	.900 (22.86)	.995 (25.27)

- NOTES:
1. MATERIAL: GLASS FILLED POLYESTER, RATED UL 94V-0, COLOR: NATURAL (WHITE)
PIN MATERIAL: 260 BRASS.
 2. FINISH:
 - (197) - OVERALL REFLOWED MATTE TIN: .000060/(0.00152) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
 - (154) - OVERALL TIN: .000100/(0.00254) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
 - (231) - SELECT GOLD: .000050/(0.00127) MIN.
SELECT MATTE TIN: .000100/(0.00254) MIN.
OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
 3. PRODUCT SPECIFICATIONS: PS-10-07.
 4. PACKAGING: OPTION 1): BULK PER PK-43009-001.
OPTION 2): TUBE PER PK-44743-001.
 5. PIN PUSH OUT FORCE: 3 LBS. MIN. (PER CKT).
 6. PARTS ARE STACKABLE END TO END ON .100/(2.54) CENTERS.
 7. SOLDERABILITY PER ES-152.
 8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 9. KINK PIN OPTION NOT RECOMMENDED FOR 2 CIRCUIT PARTS.
HOLE SIZE MAY NEED TO BE ADJUSTED FOR 2 CIRCUIT PARTS WITH KINK OPTION FOR PROPER INSERTION INTO THE PCB.
SEE SMES-42003 FOR ADDITIONAL INFORMATION ON KINK PIN DIRECTION AND PLACEMENT.



RECOMMENDED PC BOARD LAYOUT (.062 THK)

GEN. DOC.	2-*	E1
ME 10	1	E2
DOC. TYPE	SHEET	REV.

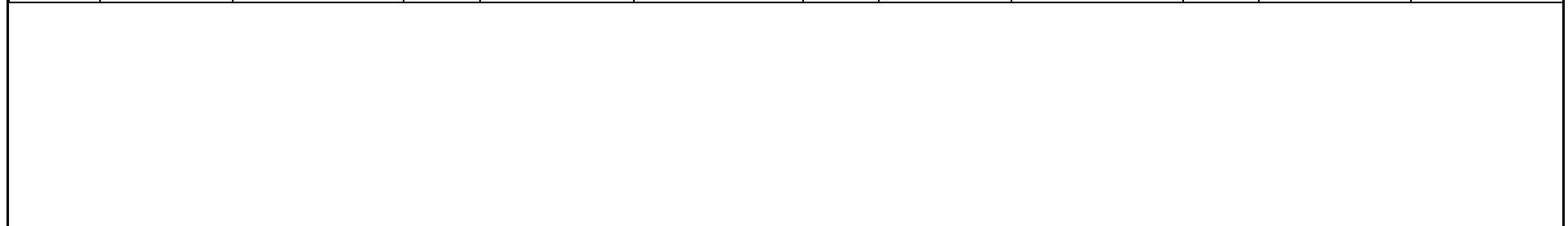
ADD NOTE 9 EC NO: UCP2013-1030 DRAWN: MISTROH 2012/09/12 CHKD: KXIPPER 2012/09/14 APPR: FSMITH 2012/10/09	QUALITY SYMBOLS	▽=0
		▽=0
		▽=0
		▽=0
		▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .010
2 PLACES ± 0.25	± .014
1 PLACE ± 0.36	± ---
0 PLACE ±	±
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
IN/MM		---	METRIC	
DRAWN BY	DATE	TITLE		
SAMIEC	01/28/92	HEADER ASSEMBLY		
CHECKED BY	DATE	FRICTION LOCK		
PATEL	01/28/92	.100 CENTERS		
APPROVED BY	DATE	molex		
LENZ	01/28/92	SDA-43009		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
SEE CHART		1 OF *		

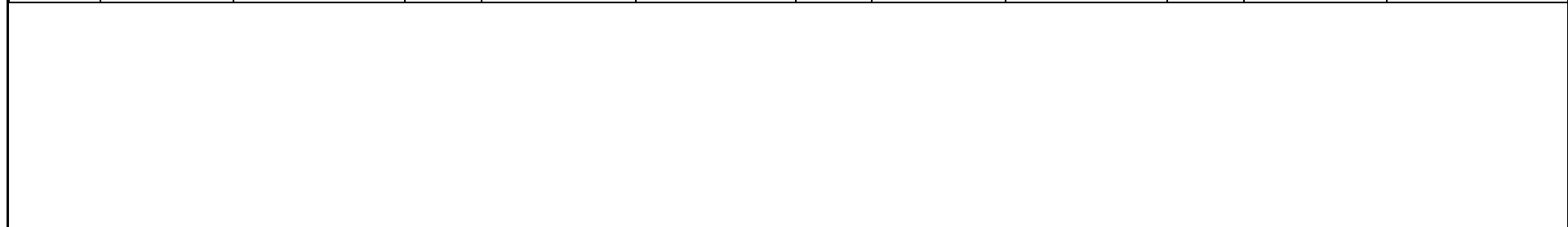
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

A-43009-0002/0010			A-43009-0011/0019			A-43009-0056/0064			A-43009-0074/0081		
OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N
	Pin No.	42663-0302		Pin No.	42663-0302		Pin No.	42663-0307		Pin No.	42663-0302
	Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)
	Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)
	Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)
	Dim. G	N/A		Dim. G	N/A		Dim. G	.140/(3.56)		Dim. G	N/A
	Dim. T	OVERALL		Dim. T	OVERALL		Dim. T	.135/(3.43)		Dim. T	OVERALL
	Plating	197 TIN		Plating	197 TIN		Plating	231 SGOLD		Plating	197 TIN
	No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	3-10
	Void Ckts	None		Void Ckts	None		Void Ckts	None		Void Ckts	2
	Kink Pins	No		Kink Pins	Yes		Kink Pins	Yes		Kink Pins	Yes
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
	Ckt	EDP No.		Engineering No.	Ckt		EDP No.	Engineering No.		Ckt	EDP No.
2	22-23-5024	A-43009-0002	2	22-23-5021	A-43009-0011	2	43009-0056	A-43009-0056	2		
3	22-23-5034	A-43009-0003	3	22-23-5031	A-43009-0012	3	43009-0057	A-43009-0057	3	43009-0074	A-43009-0074
4	22-23-5044	A-43009-0004	4	22-23-5041	A-43009-0013	4	43009-0058	A-43009-0058	4	43009-0075	A-43009-0075
5	22-23-5054	A-43009-0005	5	22-23-5051	A-43009-0014	5	43009-0059	A-43009-0059	5	43009-0076	A-43009-0076
6	22-23-5064	A-43009-0006	6	22-23-5061	A-43009-0015	6	43009-0060	A-43009-0060	6	43009-0077	A-43009-0077
7	22-23-5074	A-43009-0007	7	22-23-5071	A-43009-0016	7	43009-0061	A-43009-0061	7	43009-0078	A-43009-0078
8	22-23-5084	A-43009-0008	8	22-23-5081	A-43009-0017	8	43009-0062	A-43009-0062	8	43009-0079	A-43009-0079
9	22-23-5094	A-43009-0009	9	22-23-5091	A-43009-0018	9	43009-0063	A-43009-0063	9	43009-0080	A-43009-0080
10	22-23-5104	A-43009-0010	10	22-23-5101	A-43009-0019	10	43009-0064	A-43009-0064	10	43009-0081	A-43009-0081



REV: E1	SEE SHEET 1 5/31/2012	TITLE: HEADER ASSEMBLY FRICTION LOCK .100 CENTERS	SHEET No. - 2 -
DOCUMENT NUMBER: SDA-43009		CREATED / REVISED BY: MKIPPER	CHECKED BY: BANDERSON
		APPROVED BY: FSMITH	

A-43009-0082/0089			A-43009-0090/0097			A-43009-0098/0106			A-43009-0107/0115		
OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N
	Pin No.	42663-0302		Pin No.	42663-0302		Pin No.	42663-0309		Pin No.	42663-0309
	Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)
	Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)
	Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)
	Dim. G	N/A		Dim. G	N/A		Dim. G	N/A		Dim. G	N/A
	Dim. T	OVERALL		Dim. T	OVERALL		Dim. T	OVERALL		Dim. T	OVERALL
	Plating	197 TIN		Plating	197 TIN		Plating	154 TIN		Plating	154 TIN
	No. of Ckts	3-10		No. of Ckts	3-10		No. of Ckts	2-10		No. of Ckts	2-10
	Void Ckts	3		Void Ckts	3		Void Ckts	None		Void Ckts	None
	Kink Pins	Yes		Kink Pins	No		Kink Pins	No		Kink Pins	Yes
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
	Ckt	EDP No.		Engineering No.	Ckt		EDP No.	Engineering No.		Ckt	EDP No.
2			2			2	50-34-1986	A-43009-0098	2	50-34-1995	A-43009-0107
3	43009-0082	A-43009-0082	3	43009-0090	A-43009-0090	3	50-34-1987	A-43009-0099	3	50-34-1996	A-43009-0108
4	43009-0083	A-43009-0083	4	43009-0091	A-43009-0091	4	50-34-1988	A-43009-0100	4	50-34-1997	A-43009-0109
5	43009-0084	A-43009-0084	5	43009-0092	A-43009-0092	5	50-34-1989	A-43009-0101	5	50-34-1998	A-43009-0110
6	43009-0085	A-43009-0085	6	43009-0093	A-43009-0093	6	50-34-1990	A-43009-0102	6	50-34-1999	A-43009-0111
7	43009-0086	A-43009-0086	7	43009-0094	A-43009-0094	7	50-34-1991	A-43009-0103	7	50-30-4401	A-43009-0112
8	43009-0087	A-43009-0087	8	43009-0095	A-43009-0095	8	50-34-1992	A-43009-0104	8	50-30-4402	A-43009-0113
9	43009-0088	A-43009-0088	9	43009-0096	A-43009-0096	9	50-34-1993	A-43009-0105	9	50-30-4403	A-43009-0114
10	43009-0089	A-43009-0089	10	43009-0097	A-43009-0097	10	50-34-1994	A-43009-0106	10	50-30-4404	A-43009-0115

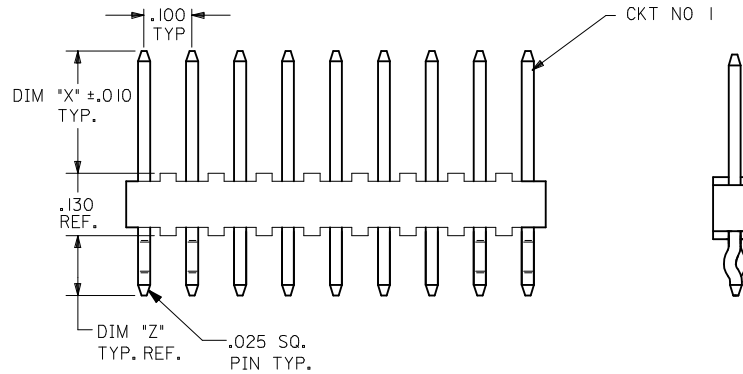


REV: E1	SEE SHEET 1 5/31/2012	TITLE: HEADER ASSEMBLY FRICTION LOCK .100 CENTERS	SHEET No. - 3 -
DOCUMENT NUMBER: SDA-43009		CREATED / REVISED BY: MKIPPER	CHECKED BY: BANDERSON
		APPROVED BY: FSMITH	

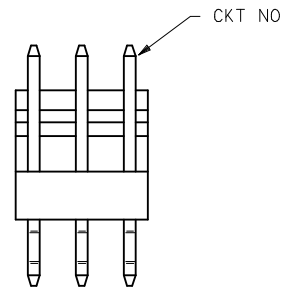
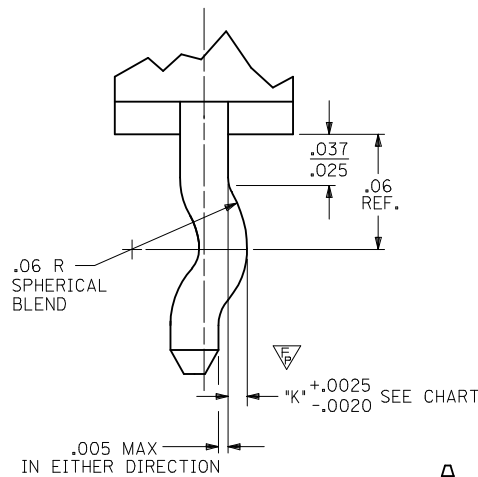
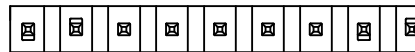
A-43009-0125/0130											
OPTIONS	Header No.	42009-N	OPTIONS	Header No.		OPTIONS	Header No.		OPTIONS	Header No.	
	Pin No.	42663-0302		Pin No.			Pin No.			Pin No.	
	Dim. L	.560/(14.22)		Dim. L			Dim. L			Dim. L	
	Dim. X	.295/(7.49)		Dim. X			Dim. X			Dim. X	
	Dim. Z	.140/(3.56)		Dim. Z			Dim. Z			Dim. Z	
	Dim. G	N/A		Dim. G			Dim. G			Dim. G	
	Dim. T	OVERALL		Dim. T			Dim. T			Dim. T	
	Plating	197 TIN		Plating			Plating			Plating	
	No. of Ckts	5-10		No. of Ckts			No. of Ckts			No. of Ckts	
	Void Ckts	5		Void Ckts			Void Ckts			Void Ckts	
	Kink Pins	No		Kink Pins			Kink Pins			Kink Pins	
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.
2			2			2			2		
3			3			3			3		
4			4			4			4		
5			5			5			5		
6			6			6			6		
7	43009-0127	A-43009-0127	7			7			7		
8			8			8			8		
9			9			9			9		
10			10			10			10		
<p>REV: E1 SEE SHEET 1 5/31/2012</p> <p><u>TITLE:</u> HEADER ASSEMBLY FRICTION LOCK .100 CENTERS</p> <p><u>SHEET No.</u> - 4 -</p> <p>DOCUMENT NUMBER: SDA-43009 CREATED / REVISED BY: MKIPPER CHECKED BY: BANDERSON APPROVED BY: FSMITH</p>											

13	12	11	10	9	8	7	6	5	4	3	2	1
CKT SIZE	KINK PIN LOCATION	DIM K	KINK PIN DIRECTION									
2	1,2	.010	OPPOSITE									
3	1,2,3	.0075	OPPOSITE									
3*	1,3	.010	OPPOSITE									
4	1,2,3,4	.0075	OPPOSITE									
5	1,2,3,4,5	.0075	OPPOSITE									
6	1,2, 5,6	.0075	OPPOSITE									
7	1,2, 6,7	.0075	OPPOSITE									
8	1,2, 7,8	.0075	OPPOSITE									
9	1,2, 8,9	.0075	OPPOSITE									
10	1,2, 9,10	.0075	OPPOSITE									
11	1,2,10,11	.0075	OPPOSITE									
12	1,2,11,12	.0075	OPPOSITE									
13	1,2,12,13	.0075	OPPOSITE									
14	1,2,13,14	.0075	OPPOSITE									
15	1,2,14,15	.0075	OPPOSITE									
16	1,2,15,16	.0075	OPPOSITE									
17	1,2,16,17	.0075	OPPOSITE									
18	1,2,17,18	.0075	OPPOSITE									
19	1,2,18,19	.0075	OPPOSITE									
20	1,2,19,20	.0075	OPPOSITE									
21	1,2,20,21	.0075	OPPOSITE									
22	1,2,21,22	.0075	OPPOSITE									
23	1,2,22,23	.0075	OPPOSITE									
24	1,2,23,24	.0075	OPPOSITE									
25	1,2,24,25	.0075	OPPOSITE									
26	1,2,25,26	.0075	OPPOSITE									
27	1,2,26,27	.0075	OPPOSITE									
28	1,2,27,28	.0075	OPPOSITE									
29	1,2,28,29	.0075	OPPOSITE									
30	1,2,29,30	.0075	OPPOSITE									
31	1,2,30,31	.0075	OPPOSITE									
32	1,2,31,32	.0075	OPPOSITE									
33	1,2,32,33	.0075	OPPOSITE									
34	1,2,33,34	.0075	OPPOSITE									
35	1,2,34,35	.0075	OPPOSITE									
36	1,2,35,36	.0075	OPPOSITE									
37	1,2,36,37	.0075	OPPOSITE									
38	1,2,37,38	.0075	OPPOSITE									
39	1,2,38,39	.0075	OPPOSITE									
40	1,2,39,40	.0075	OPPOSITE									

3 CKT PART WITH VOID



KINKED OPPOSITE DIRECTIONS
TYP FOR ALL CKT SIZES



KINK DIRECTION VIEWED FROM CKT 1	
KINK PINS AWAY FROM PIN BEND DIRECTION AS SHOWN 42376 42375	KINK PINS TOWARD HEADER AS SHOWN 42377
FLAT HEADERS	FLAT HEADERS
POLARIZING HEADER / FRICTION LOCK	
42225 42227 43009 KINK PINS TOWARD FRICTION LOCK AS SHOWN	42226 42228 42624 KINK PINS AWAY FROM HEADER AS SHOWN

- NOTES:
- DIM. *X* TO BE .250 TO 1.000.
 - DIM *Z* TO BE .135 MIN. TO .250.
 - FOR HEADER ASSEMBLIES THAT HAVE A VOIDED CKT IN A KINKED PIN LOCATION, THE KINKED PIN LOCATION SHOULD BE MOVED TO THE NEXT CKT.
 - MACHINE MUST BE CAPABLE OF KINKING PINS ON ALL PRODUCTS SHOWN ABOVE.
 - KINK PINS NOT RECOMMENDED FOR 2 CKT. PARTS. PCB HOLE SIZE MAY NEED TO BE ADJUSTED FOR PROPER INSERTION.

REVISE NOTE 5 EC NO: UCP2013-1030 DRAWN: MSTR0H 2012/09/11 CHKD: HKIPPER 2012/09/14 APPR: FSMITH 2012/10/09	QUALITY SYMBOLS ∇=0 ∇=0 ∇=1	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH ONLY	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± --- ± .01 1 PLACE ± --- ± --- 0 PLACE ± ±	mm INCH	DRAWN BY JJS DATE 1996/04/04	TITLE ENGINEERING STANDARD KINK PINS, .100 CENTER OPPOSITE DIRECTION KINKS	MATERIAL NO. NONE	DOCUMENT NO. SMES-43703-0000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			