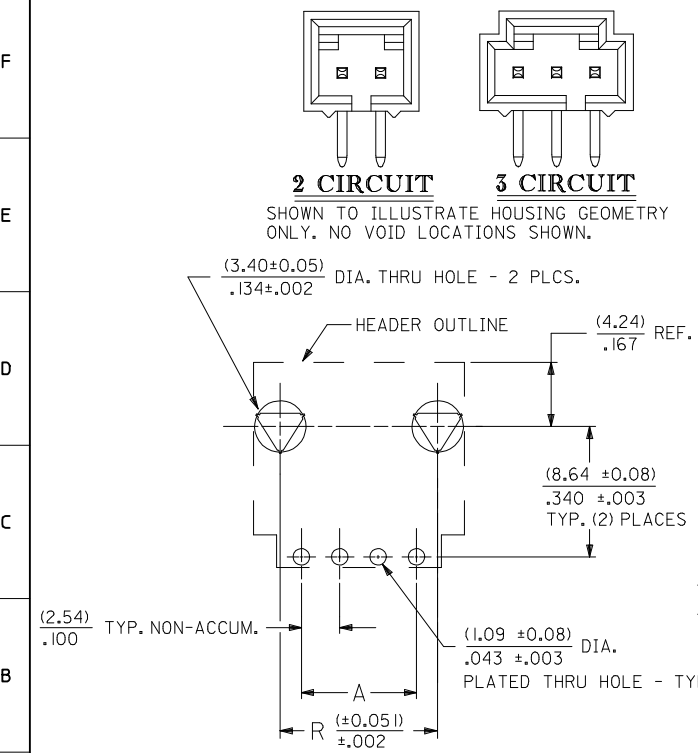
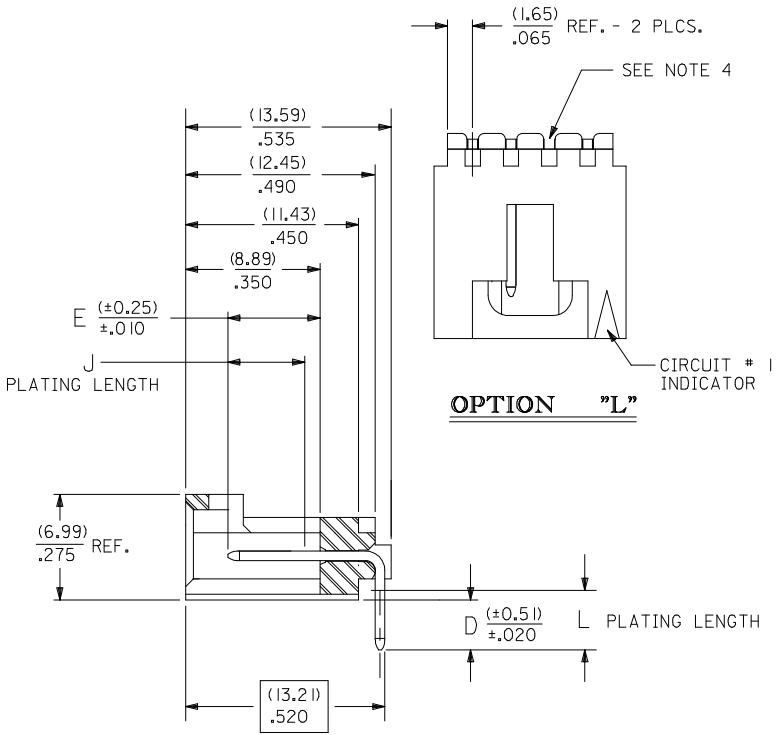


	13	12		11		10		9		8		7		6		5		4		3		2		1	
J	CKT. SIZE	"A"		"B" REF.		"C" REF.		"F" REF.		"M"		"R" REF.		"V" REF.											
		MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.										
	2	2.54	.100	5.33	.210	7.37	.290	8.63	.340	12.40	.488	5.33	.210	10.67	.420										
	3	5.08	.200	8.13	.320	10.16	.400	11.43	.450	14.94	.588	7.87	.310	13.21	.520										
	4	7.62	.300	10.67	.420	12.70	.500	13.97	.550	17.48	.688	10.41	.410	15.75	.620										
	5	10.16	.400	13.21	.520	15.24	.600	16.51	.650	20.02	.788	12.95	.510	18.29	.720										
	6	12.70	.500	15.75	.620	17.78	.700	19.05	.750	22.56	.888	15.49	.610	20.83	.820										
	7	15.24	.600	18.29	.720	20.32	.800	21.59	.850	25.10	.988	18.03	.710	23.37	.920										
	8	17.78	.700	20.83	.820	22.86	.900	24.13	.950	27.64	1.088	20.57	.810	25.91	1.020										
	9	20.32	.800	23.37	.920	25.40	1.000	26.67	1.050	30.18	1.188	23.11	.910	28.45	1.120										
	10	22.86	.900	25.91	1.020	27.94	1.100	29.21	1.150	32.72	1.288	25.65	1.010	30.99	1.220										
	11	25.40	1.000	28.45	1.120	30.48	1.200	31.75	1.250	35.26	1.388	28.19	1.110	33.53	1.320										
	12	27.94	1.100	30.99	1.220	33.02	1.300	34.29	1.350	37.80	1.488	30.73	1.210	36.07	1.420										
	13	30.48	1.200	33.53	1.320	35.56	1.400	36.83	1.450	40.34	1.588	33.27	1.310	38.61	1.520										
	14	33.02	1.300	36.07	1.420	38.10	1.500	39.37	1.550	42.88	1.688	35.81	1.410	41.15	1.620										
	15	35.56	1.400	38.61	1.520	40.64	1.600	41.91	1.650	45.42	1.788	38.35	1.510	43.69	1.720										
	16	38.10	1.500	41.15	1.620	43.18	1.700	44.45	1.750	47.96	1.888	40.89	1.610	46.23	1.820										
	17	40.64	1.600	43.69	1.720	45.72	1.800	46.99	1.850	50.50	1.988	43.43	1.710	48.77	1.920										
	18	43.18	1.700	46.23	1.820	48.26	1.900	49.53	1.950	53.04	2.088	45.97	1.810	51.31	2.020										
	19	45.72	1.800	48.77	1.920	50.80	2.000	52.07	2.050	55.58	2.188	48.51	1.910	53.85	2.120										
	20	48.26	1.900	51.31	2.020	53.34	2.100	54.61	2.150	58.12	2.288	51.05	2.010	56.39	2.220										
	21	50.80	2.000	53.85	2.120	55.88	2.200	57.15	2.250	60.66	2.388	53.59	2.110	58.93	2.320										
	22	53.34	2.100	56.39	2.220	58.42	2.300	59.69	2.350	63.20	2.488	56.13	2.210	61.47	2.420										
	23	55.88	2.200	58.93	2.320	60.96	2.400	62.23	2.450	65.74	2.588	58.67	2.310	64.01	2.520										
	24	58.42	2.300	61.47	2.420	63.50	2.500	64.37	2.550	68.28	2.688	61.21	2.410	66.55	2.620										
	25	60.96	2.400	64.01	2.520	66.04	2.600	67.31	2.650	70.82	2.788	63.75	2.510	69.09	2.720										

NOTES

- 1) MATERIAL:
HOUSING - GLASS FILLED POLYESTER, UL 94V-0, COLOR: BLACK.
PIN - (0.64)/.025 SQUARE PHOSPHOR BRONZE BASE MATERIAL.
FOR PLATING SEE TABLES ON FOLLOWING SHEETS.
- 2) HEADER TO BE USED WITH 70400-**** AND 70430-**** AND 70066
OPTION "G" SERIES.
- 3) REFER TO MOLEX PRODUCT SPECIFICATIONS PS-70541 AND PS-70400.
- 4) FOR VOID LOCATION(S) SEE TABLES ON FOLLOWING SHEETS.
- 5) FOR ILLUSTRATION PURPOSES 4 CIRCUIT WITH CIRCUIT 2 VOIDED IS SHOWN.



RIGHT ANGLE ASSEMBLY

OTHER VERTICAL AND RIGHT ANGLE VERSIONS SHOWN ON SHEET 2

SECTION F-F

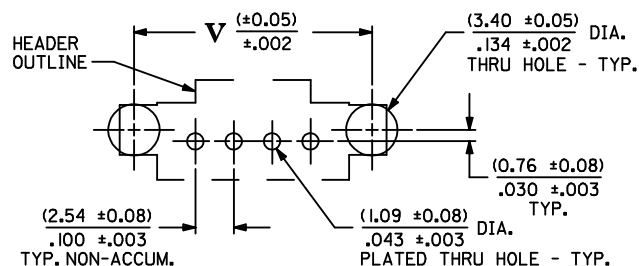
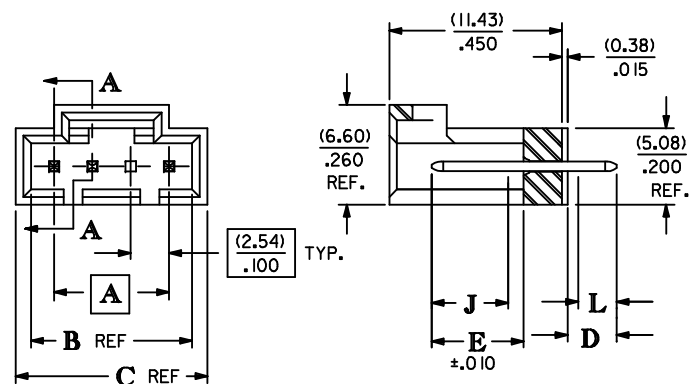
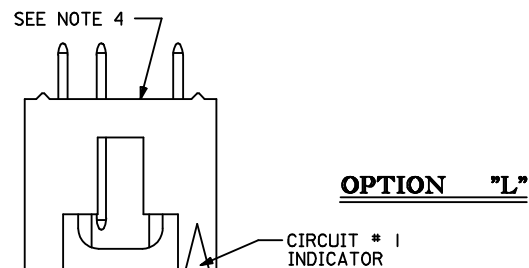
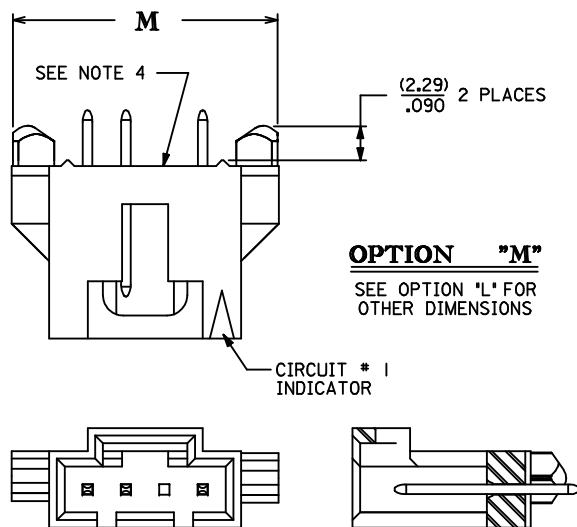
CHG 71164-0044 R/A EC NO: UCP2014-4433 DRWN:MORGAN 2014/04/24 CHKD:MPOFF 2014/04/24 APPR:SMILLER 2014/05/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			mm	INCH	MM/IN		4:1	INCH				
		▽=0	4 PLACES	±.---	±.---	DRAWN BY	DATE	TITLE SALES ASSY, HEADER .120 POCKET/HIGH TEMP 2.54/.100 CENTER W/VOIDS				
		▽=0	3 PLACES	±.---	±.005	BJS	1994/09/30					
		▽=0	2 PLACES	±.013	±.010	CHECKED BY	DATE					
			1 PLACE	±0.25	±.---	APPROVED BY	DATE					
			0 PLACE	±	±	SMILLER	2010/05/10					
T1	REV		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE		SEE TABLE		SDA-71164-****		1 OF 4				
		MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

RECOMMENDED P.C. BOARD HOLE LAYOUT

FOR USE WITH (1.57)/.062 THICK BOARD

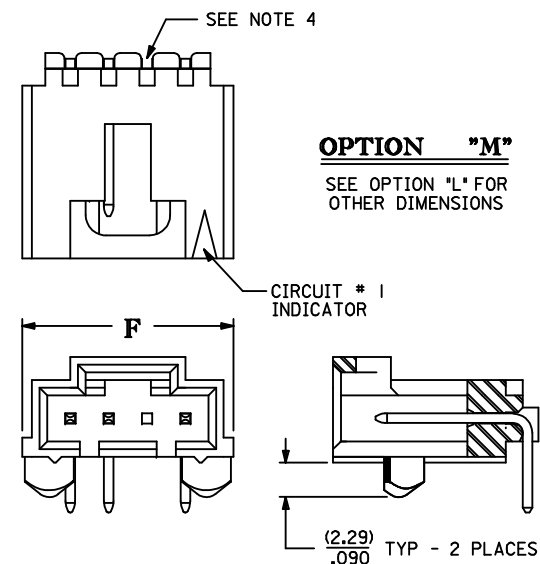
.134 DIA. HOLES ARE NOT REQUIRED FOR
ASSEMBLIES WITHOUT PEGS

VERTICAL ASSEMBLIES



FOR USE WITH (1.57)/.062 THICK BOARD
.134 DIA. HOLES ARE NOT REQUIRED FOR ASSEMBLIES WITHOUT PEGS

RIGHT ANGLE ASSEMBLIES



SEE SHEET 1 EC NO: UCP2014-4433 2014/04/24 DRWNG:MORGAN CHKD:WPOFF 2014/05/06 APPR:SMILLER	REV T1	DESCRIPTION T1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY BJS		DATE 1994/09/30	TITLE SALES ASSY, HEADER .120 POCKET/HIGH TEMP 2.54/.100 CENTER W/VOIDS	
				4 PLACES	± ---	± ---	CHECKED BY		DATE		
				3 PLACES	± ---	± .005	APPROVED BY SMILLER		DATE 2010/05/10	molex	
				2 PLACES	± 0.13	± .010					
				1 PLACE	± 0.25	± ---	MATERIAL NO.		DOCUMENT NO.		
0 PLACE	±	±	SEE TABLE		SDA-71164-****	2 OF 4					
ANGULAR ±1/2°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

	13	12	11	10	9	8	7	6	5	4	3	2	1																												
J	ITEM NO.	ASSEMBLY TYPE	HOUSING OPTION	CKT. SIZE	VOIDED PIN LOCATION - CIRCUIT - NUMBER(S)	"D" (±0.51) ±.020	"E" (±0.25) ±.010	PLATING CODE	CONNECTOR END PLATING		P.C. BOARD END PLATING		PACKAGE PER PK-70873																												
									TYPE	J LENGTH	TYPE	L LENGTH																													
	71164-0001	RIGHT ANGLE	"M"	3	2	(3.30) .130	(6.10) .240	TIN	TIN	OVER -ALL	TIN	OVER -ALL	-0015																												
	71164-0002	RIGHT ANGLE	"M"	4	2	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0015																												
	71164-0003	RIGHT ANGLE	"M"	4	3	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0015																												
I	71164-0004	RIGHT ANGLE	"M"	4	4	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0015																												
	71164-0005	RIGHT ANGLE	"L"	8	2, 7	(3.30) .130	(6.10) .240	TIN	TIN	OVER -ALL	TIN	OVER -ALL	-0015																												
	71164-0006	VERTICAL	"M"	7	2, 5	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
H	71164-0007	VERTICAL	"L"	3	3	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0008	VERTICAL	"M"	3	2	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0010	VERTICAL	"L"	6	2	(3.30) .130	(6.10) .240	30 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0011	VERTICAL	"L"	11	5,6	(3.30) .130	(6.10) .240	TIN	TIN	OVER -ALL	TIN	OVER -ALL	-0014																												
G	71164-0012	VERTICAL	"L"	4	3	(3.30) .130	(6.10) .240	TIN	TIN	OVER -ALL	TIN	OVER -ALL	-0014																												
	71164-0014	VERTICAL	"L"	11	11	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0015	VERTICAL	"L"	10	4	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
F	71164-0016	VERTICAL	"L"	11	2	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0017	VERTICAL	"L"	8	2, 7	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014																												
	71164-0018	VERTICAL	"L"	7	2,4,6	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0019	VERTICAL	"L"	7	2,4,6	(3.30) .130	(6.10) .240	30 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
E	71164-0020	VERTICAL	"L"	11	2,4,6,8,10	(3.30) .130	(6.10) .240	30 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0021	VERTICAL	"L"	15	2,4,6,8,10,12,14	(3.30) .130	(6.10) .240	30 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
	71164-0022	VERTICAL	"M"	7	3, 6	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014																												
D	71164-0023	VERTICAL	"L"	11	10	(3.81) .150	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014																												
	71164-0024	VERTICAL	"L"	19	17	(3.81) .150	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014																												
	71164-0025	VERTICAL	"L"	20	19	(3.81) .150	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014																												
C																																									
B	TIN - 3.81 MICROMETER/(150 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE.																																								
	30 GOLD - .76 MICROMETER/(30 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.91 MICROMETER/(75 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE.																																								
	15 GOLD - .38 MICROMETER/(15 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.91 MICROMETER/(75 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE.																																								
A	SEE SHEET 1 EC NO: UCP2014-4433 DRWN:DMORGAN CHKD:MP0FF APPR:SMILLER REV 2014/04/24 2014/04/24 2014/05/06 DESCRIPTION REV QUALITY SYMBOLS = 0 = 0 = 0 GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .005</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± .010</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>±</td><td>±</td></tr></table> ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>BJS</td><td>1994/09/30</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>SMILLER</td><td>2010/05/10</td></tr></table> MATERIAL NO. SEE TABLE SIZE C SCALE 1:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION SALES ASSY, HEADER .120 POCKET/HIGH TEMP 2.54/.100 CENTER W/VOIDS molex DOCUMENT NO. SDA-71164-**** SHEET NO. 3 OF 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .005	2 PLACES	± 0.13	± .010	1 PLACE	± 0.25	± ---	0 PLACE	±	±	DRAWN BY	DATE	BJS	1994/09/30	CHECKED BY	DATE	APPROVED BY	DATE	SMILLER	2010/05/10
	mm	INCH																																							
4 PLACES	± ---	± ---																																							
3 PLACES	± ---	± .005																																							
2 PLACES	± 0.13	± .010																																							
1 PLACE	± 0.25	± ---																																							
0 PLACE	±	±																																							
DRAWN BY	DATE																																								
BJS	1994/09/30																																								
CHECKED BY	DATE																																								
APPROVED BY	DATE																																								
SMILLER	2010/05/10																																								
1b_frame_C_P_AM,T Rev. G 2012/01/11	12	11	10	9	8	7	6	5	4	3	2	1																													

	13	12	11	10	9	8	7	6	5	4	3	2	1		
J	ITEM NO.	ASSEMBLY TYPE	HOUSING OPTION	CKT. SIZE	VOIDED PIN LOCATION - CIRCUIT NUMBER(S)	"D" (±0.51) ±.020	"E" (±0.25) ±.010	PLATING CODE	CONNECTOR END PLATING	P.C. BOARD END PLATING	PACKAGE PER PK-70873				J
									TYPE	J LENGTH	TYPE	L LENGTH			
	71164-0026	VERTICAL	"L"	16	3, 5, 7, 9, 11, 13, 15	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014		
	71164-0027	VERTICAL	"L"	11	10	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
I	71164-0028	VERTICAL	"L"	20	19	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0029	VERTICAL	"L"	5	2,4	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0030	VERTICAL	"L"	7	7	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0031	VERTICAL	"L"	16	15	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014		
H	71164-0032	VERTICAL	"L"	20	19	(3.81) .150	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0014	H	
	71164-0033	RIGHT ANGLE	"L"	3	2	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0015		
	71164-0034	VERTICAL	"L"	5	2	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0035	VERTICAL	"L"	12	4	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
G	71164-0036	VERTICAL	"L"	3	2	(3.30) .130	(6.10) .240	I5 GOLD	TIN	(5.08) .200	TIN	(2.54) .100	-0014	G	
	71164-0037	VERTICAL	"L"	12	10	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0038	VERTICAL	"L"	3	2	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
F	71164-0039	VERTICAL	"L"	8	1,3,5,7	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014	F	
	71164-0040	VERTICAL	"L"	24	1,3,5,7,9,11,13,15,17,19,21,23	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0041	VERTICAL	"L"	4	1	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
	71164-0042	VERTICAL	"L"	4	2	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014		
E	71164-0043	VERTICAL	"L"	4	3	(3.30) .130	(6.10) .240	TIN	TIN	OVER-ALL	TIN	OVER-ALL	-0014	E	
	71164-0044	RIGHT ANGLE	"M"	10	2,3,4,6,7,8,9	(3.30) .130	(6.10) .240	I5 GOLD	GOLD	(5.08) .200	TIN	(2.54) .100	-0015		
D	TIN - 3.81 MICROMETER/(150 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE. 30 GOLD - .76 MICROMETER/(30 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.91 MICROMETER/(75 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE. I5 GOLD - .38 MICROMETER/(15 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.91 MICROMETER/(75 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER 1.27 MICROMETER/(50 MICROINCH) MINIMUM NICKEL UNDERPLATE.													D	
C														C	
B														B	
A														A	
	12	11	10	9	8	7	6	5	4	3	2	1			

SEE SHEET 1 EC NO: UCP2014-4433 DRAWN:MORGAN 2014/04/24 CHKD:MP0FF 2014/04/24 APPR:SMILLER 2014/05/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		 		mm	INCH	MM/IN		1:1	INCH			
			4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE SALES ASSY, HEADER .120 POCKET/HIGH TEMP 2.54/.100 CENTER W/VOIDS molex				
			3 PLACES	± ---	±.005	BJS	1994/09/30					
			2 PLACES	±0.13	±.010	CHECKED BY	DATE					
1 PLACE	±0.25	± ---	APPROVED BY	DATE								
0 PLACE	±	±	SMILLER	2010/05/10								
ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SDA-71164-****		4 OF 4					
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			C									

tb_frame_C_P_AM.T
Rev. G 2012/01/11

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

[71164-0010](#) [71164-0032](#) [71164-0028](#)