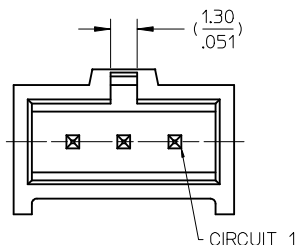
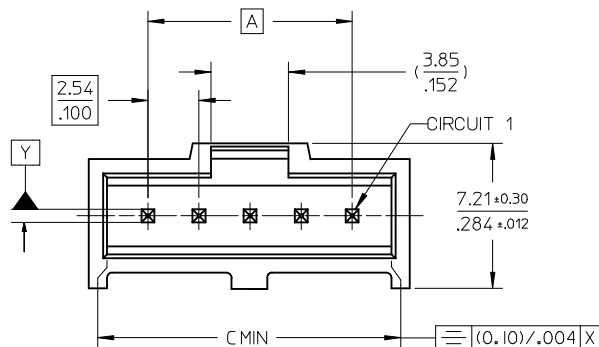


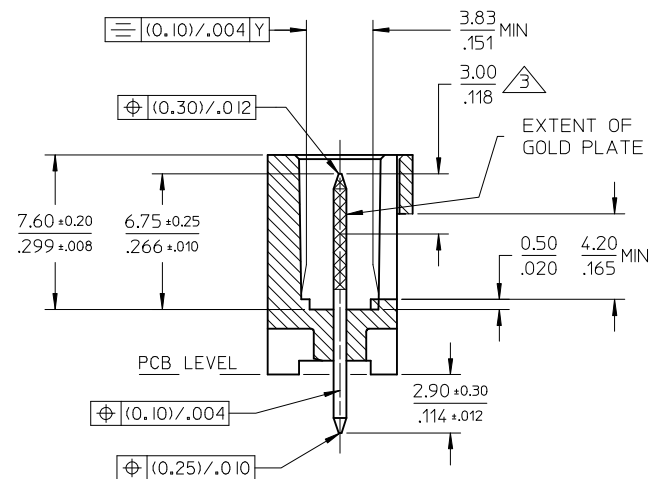
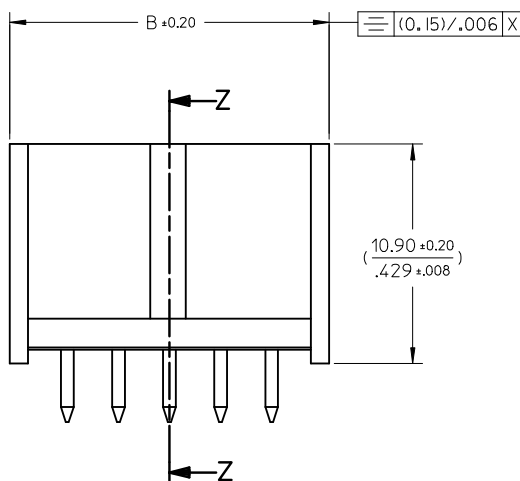
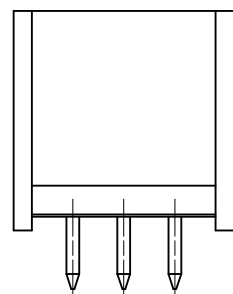
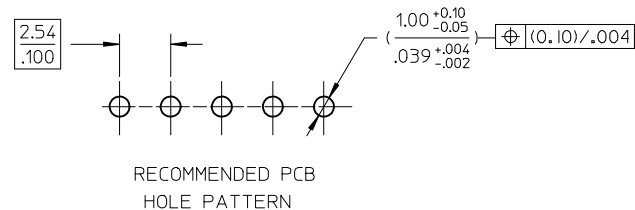
THROUGH HOLE VERSION (STRAIGHT ASSEMBLY)



1 TO 3 CIRCUITS



4 TO 32 CIRCUITS



NOTES :

1. MATERIALS :

- PIN : (0.650) / .0255 SQ. BRASS WIRE.
- HOUSING : 15% GLASS FILLED POLYESTER
- UL 94V-0 COLOR BLACK

2. FOR PLATING VERSIONS, SEE SHEET 2.

3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.

4. PRODUCT SPEC: PS-99020-0001

5. RECOMMENDED PCB THICKNESS 1.6mm

UPDATE DRAWING	EC NO: S2014-0925	2014/04/01	2014/04/17	2014/04/10
DRWN:ATSEE	CHKD:FANNYWONG	APPR:LBLEE		
AF				

QUALITY SYMBOLS	DESCRIPTION	REV
F=0		
F=0		
F=0		

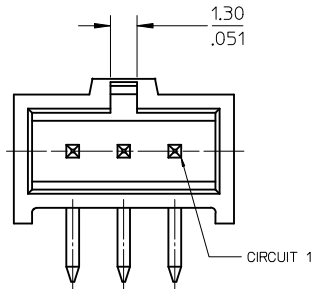
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± 0.10
1 PLACE	± ---
0 PLACE	± ---
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	DATE
DRAWN BY	KS
CHECKED BY	BEN RIGTH
APPROVED BY	MLONG
MATERIAL NO.	SEE TABLE

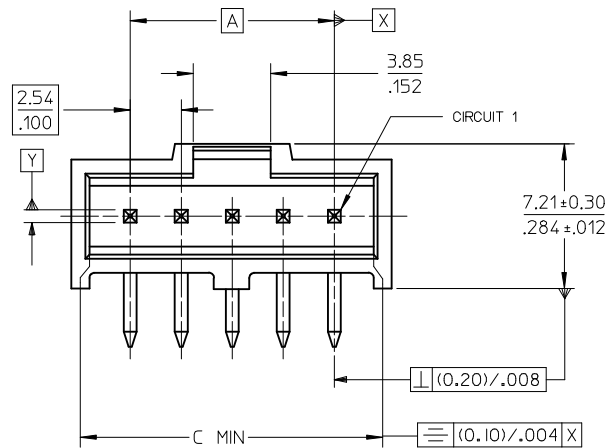
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
TITLE		
C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER		
molex		
DOCUMENT NO.	SDA-90136	SHEET NO. 1 OF 3

10 9 8 7 6 5 4 3 2 1

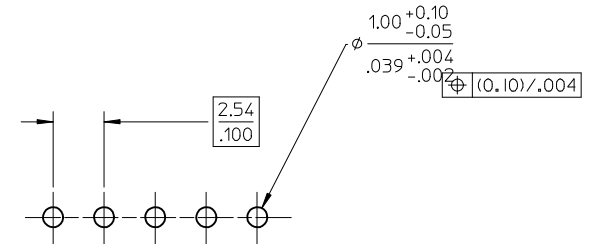
RIGHT ANGLE VERSION



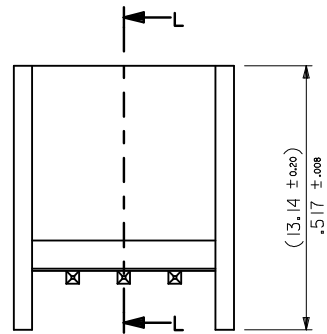
1 TO 3 CIRCUITS



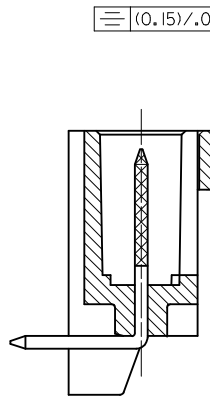
4 TO 32 CIRCUITS



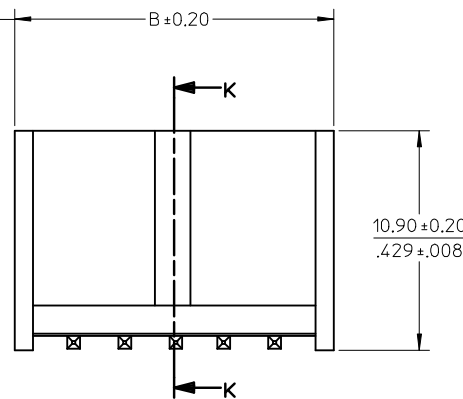
RECOMMENDED PCB PATTERN



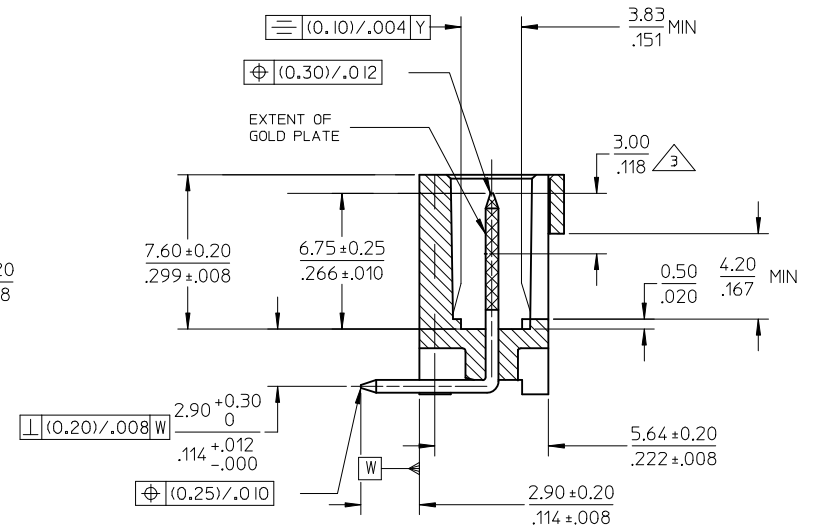
1 TO 6 CIRCUITS



SECTION L-L



7 TO 32 CIRCUITS



SECTION K-K

UPDATE DRAWING		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
EC NO:	DATE				MM/IN	DATE	NTS	METRIC				
S2014-0925	2014/04/01	AF	F_A=0 F_C=0 F_P=0	4 PLACES	± ---	± ---	KS	1987/10/30	C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER molex			
DRWN:ATSEE	2014/04/17			3 PLACES	± ---	± .004	CHECKED BY	DATE				
CHKD:FANNYONG				2 PLACES	± 0.10	± ---	BENRIGHT	2002/08/15				
APPR:LBLEE	2014/04/10			1 PLACE	± ---	± ---	APPROVED BY	DATE				
				0 PLACE	±	±	MLONG	2011/04/15				
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-90136		2 OF 3		
						SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

	10	9	8	7	6	5	4	3	2	1								
F	CKTS	ASSEMBLY P/N	DIM A	DIM B	DIM C	NOTES 6. FOR PLATING DETAILS SEE SDES 99000-0003 90136 - X X X X INDICATES NO. OF CIRCUITS PLATING 1 - TYPE A 2 - TYPE E 3 - TYPE F 4 - TYPE G STYLE - 1 - STRAIGHT ASSEMBLY STYLE - 2 - RIGHT ANGLE ASSEMBLY STYLE - 5 - STRAIGHT ASSEMBLY WITH VOIDS STYLE - 7 - NON STANDARD PRODUCT												
	1	90136-**-01	-	(5.89)/.232	(4.06)/.160													
	2	90136-**-02	(2.54)/.100	(8.43)/.332	(6.60)/.260													
	3	90136-**-03	(5.08)/.200	(10.97)/.432	(9.14)/.360													
	4	90136-**-04	(7.62)/.300	(13.51)/.532	(11.68)/.460													
	5	90136-**-05	(10.16)/.400	(16.05)/.632	(14.22)/.560													
	6	90136-**-06	(12.70)/.500	(18.59)/.732	(16.76)/.660													
E	7	90136-**-07	(15.24)/.600	(21.13)/.832	(19.30)/.760	7. PLATING TYPES 1 - TYPE A TIN 3.0µm MIN. OVER 1.27 - 2.54µm NICKEL. 2 - TYPE E GOLD STRIPE 0.38 - 0.64µm IN SELECTED AREA (2 SIDES) & 3.0µm MIN TIN IN SELECTED AREA OVER 1.3 - 1.78µm NICKEL OVERALL. 3 - TYPE F GOLD STRIPE 0.762 - 1.02µm IN SELECTED AREA (2 SIDES) & 3.0µm MIN TIN IN SELECTED AREA OVER 1.3 - 1.78µm NICKEL OVERALL. 4 - TYPE G SELECTIVE GOLD PLATE. GOLD FLASH 0.05 - 0.10µm IN SELECTED AREA AND 3.0µm MIN - 5.0µm MAX TIN IN SELECTED AREA OVER 1.3 - 2.5µm NICKEL OVERALL.												
	8	90136-**-08	(17.78)/.700	(23.67)/.932	(21.84)/.860													
	9	90136-**-09	(20.32)/.800	(26.21)/1.032	(24.38)/.960													
	10	90136-**-10	(22.86)/.900	(28.75)/1.132	(26.92)/1.060													
	11	90136-**-11	(25.4)/1.000	(31.29)/1.232	(29.46)/1.160													
	12	90136-**-12	(27.94)/1.100	(33.83)/1.332	(32.00)/1.260													
	13	90136-**-13	(30.48)/1.200	(36.37)/1.432	(34.54)/1.360													
D	14	90136-**-14	(33.02)/1.300	(38.91)/1.532	(37.08)/1.460	UPDATE DRAWING EC NO: S2014-0925 2014/04/01 DRAWN/ATSEE 2014/04/17 CHKD:FANNYWONG APPR:BLEE 2014/04/10 REV DESCRIPTION QUALITY SYMBOLS F=0 F=0 F=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .004 2 PLACES ± 0.10 ± --- 1 PLACE ± --- ± --- 0 PLACE ± ± ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE KS 1987/10/30 CHECKED BY DATE BENRUGHT 2002/08/15 APPROVED BY DATE MLONG 2011/04/15 SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER molex SDA-90136 SHEET NO. 3 OF 3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	15	90136-**-15	(35.56)/1.400	(41.45)/1.632	(39.62)/1.560													
	16	90136-**-16	(38.10)/1.500	(43.99)/1.732	(42.16)/1.660													
	17	90136-**-17	(40.64)/1.600	(46.53)/1.832	(44.70)/1.760													
	18	90136-**-18	(43.18)/1.700	(49.07)/1.932	(47.24)/1.860													
	19	90136-**-19	(45.72)/1.800	(51.61)/2.032	(49.78)/1.960													
	20	90136-**-20	(48.26)/1.900	(54.15)/2.132	(52.32)/2.060													
C	21	90136-**-21	(50.80)/2.000	(56.69)/2.232	(54.86)/2.160	fb_frame_A3_P_AM.T Rev. G 2012/01/11												
	22	90136-**-22	(53.34)/2.100	(59.23)/2.332	(57.40)/2.260													
	23	90136-**-23	(55.88)/2.200	(61.77)/2.432	(59.94)/2.360													
	24	90136-**-24	(58.42)/2.300	(64.31)/2.532	(62.48)/2.460													
	25	90136-**-25	(60.96)/2.400	(66.85)/2.632	(65.02)/2.560													
	26	90136-**-26	(63.50)/2.500	(69.39)/2.732	(67.56)/2.660													
	27	90136-**-27	(66.04)/2.600	(71.93)/2.832	(70.10)/2.760													
B	28	90136-**-28	(68.58)/2.700	(74.47)/2.932	(72.64)/2.860	9												
	29	90136-**-29	(71.12)/2.800	(77.01)/3.032	(75.18)/2.960													
	30	90136-**-30	(73.66)/2.900	(79.55)/3.132	(77.72)/3.060													
	31	90136-**-31	(76.20)/3.000	(82.09)/3.232	(80.26)/3.160													
	32	90136-**-32	(78.74)/3.100	(84.63)/3.332	(82.80)/3.260													
												8						
																		7
					6													
											5							
					4													
											3							
					2													
											1							

UPDATE DRAWING EC NO: S2014-0925 2014/04/01 DRWNATSEE CHKD:FANNYWONG 2014/04/17 APPR:BLEE 2014/04/10	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
					MM/IN		NTS	METRIC				
					DRAWN BY DATE		TITLE					
					KS 1987/10/30							
					CHECKED BY DATE		C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER					
					BENRIGT 2002/08/15							
					APPROVED BY DATE		molex					
					MLONG 2011/04/15							
					MATERIAL NO.		DOCUMENT NO.					SHEET NO.
					SEE TABLE		SDA-90136					3 OF 3
AF	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									