

NOTES :

1. MATERIAL:-

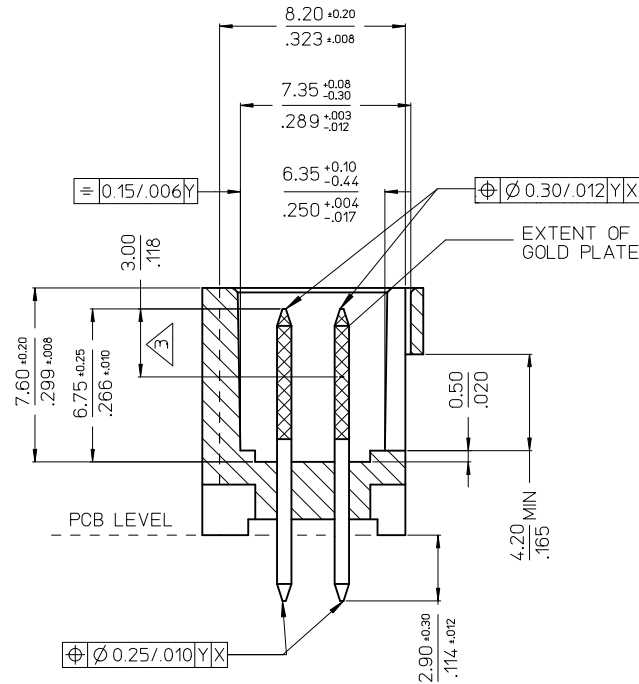
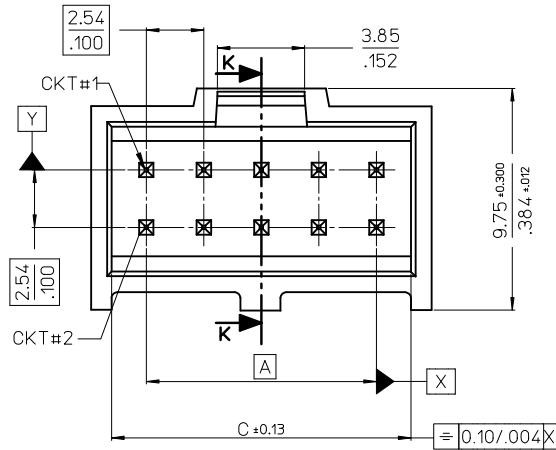
- PIN:- (0.65)/.0255 SQ. BRASS WIRE.
- HOUSING:- 15% GLASS FILLED POLYESTER
- UL 94 V-0 COLOUR BLACK

2. FOR PLATING VERSIONS AND VOID VERSIONS SEE SHEET 2.

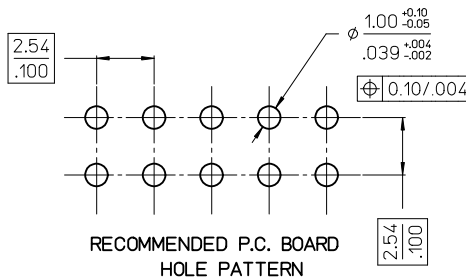
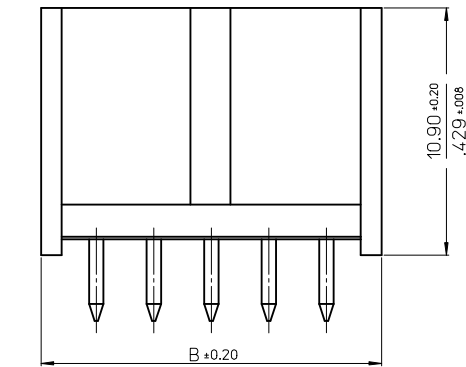
3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.

4. FOR PRODUCT SPEC SEE PS-99020-0001

5. RECOMMENDED PCB THICKNESS: 1.60mm



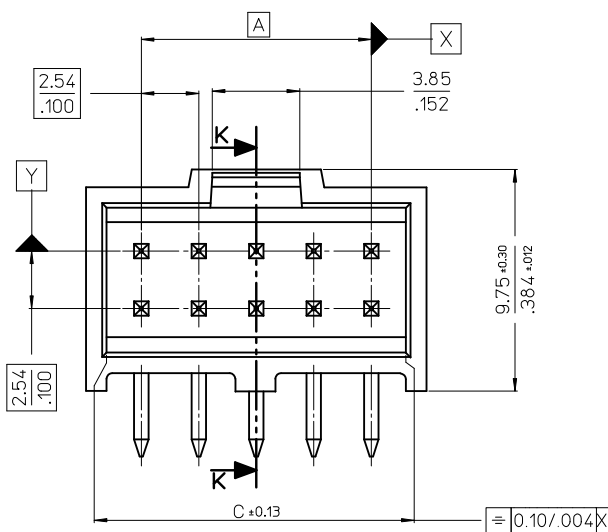
SECTION K-K



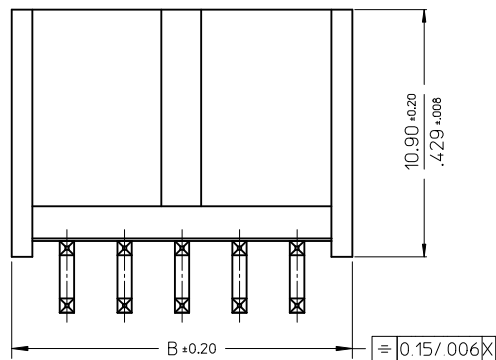
CKT	DIM A	DIM B	DIM C
6	(5.08)/.200	(9.96)/.392	(8.12)/.320
8	(7.62)/.300	(12.50)/.492	(10.66)/.420
10	(10.16)/.400	(15.04)/.592	(13.20)/.520
12	(12.70)/.500	(17.58)/.692	(15.74)/.620
14	(15.24)/.600	(20.12)/.792	(18.28)/.720
16	(17.78)/.700	(22.66)/.892	(20.82)/.820
18	(20.32)/.800	(25.20)/.992	(23.36)/.920
20	(22.86)/.900	(27.74)/.1092	(25.90)/.1020
22	(25.40)/.1000	(30.28)/.1192	(28.44)/.1120
24	(27.94)/.1100	(32.82)/.1292	(30.98)/.1220
26	(30.48)/.1200	(35.36)/.1392	(33.52)/.1320
28	(33.02)/.1300	(37.90)/.1492	(36.06)/.1420
30	(35.56)/.1400	(40.44)/.1592	(38.60)/.1520
32	(38.10)/.1500	(42.98)/.1692	(41.15)/.1620
34	(40.64)/.1600	(45.52)/.1792	(43.68)/.1720
36	(43.18)/.1700	(48.06)/.1892	(46.22)/.1820
38	(45.72)/.1800	(50.60)/.1992	(48.76)/.1920
40	(48.26)/.1900	(53.14)/.2092	(51.30)/.2020
42	(50.80)/.2000	(55.68)/.2192	(53.84)/.2120
44	(53.34)/.2100	(58.22)/.2292	(56.38)/.2220
46	(55.88)/.2200	(60.76)/.2392	(58.92)/.2320
48	(58.42)/.2300	(63.30)/.2492	(61.46)/.2420
50	(60.96)/.2400	(65.84)/.2592	(64.00)/.2520
52	(63.50)/.2500	(68.38)/.2692	(66.54)/.2620
54	(66.04)/.2600	(70.92)/.2792	(69.08)/.2720
56	(68.58)/.2700	(73.46)/.2892	(71.62)/.2820
58	(71.12)/.2800	(76.00)/.2992	(74.16)/.2920
60	(73.66)/.2900	(78.54)/.3092	(76.70)/.3020
62	(76.20)/.3000	(81.08)/.3192	(79.24)/.3120
64	(78.74)/.3100	(83.62)/.3292	(81.78)/.3220
66	(81.28)/.3200	(86.16)/.3392	(84.32)/.3320
68	(83.82)/.3300	(88.70)/.3492	(86.86)/.3420

CHANGE DWG REVISION	EC NO: S2012-0132	DRWN:ATSEE CHKD:SKANG APPR:MLONG	2011/08/16 2011/08/18 2011/08/18	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
									MM/IN		NTS	INCH		
							mm INCH		DRAWN BY	DATE	C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER			
									KS	1988/08/23				
									CHECKED BY	DATE	MOLEX INCORPORATED			
									ATSEE	2010/02/11				
		APPROVED BY	DATE	SDA-90130										
		MLONG	2010/02/19											
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				1 OF 4						
CA1		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								
VERSION FULLY LOADED																																					
F	NO OF CKTS	HSG CKT SIZE	PART NUMBER																																		
			PLATING TYPE A	PLATING TYPE E	PLATING TYPE F	PLATING TYPE G																															
	6	6	90130-X106	90130-X206	90130-X306	90130-X406																															
	8	8	↑ X108	↑ X208	↑ X308	↑ X408																															
	10	10	↑ X110	↑ X210	↑ X310	↑ X410																															
	12	12	↑ X112	↑ X212	↑ X312	↑ X412																															
	14	14	↑ X114	↑ X214	↑ X314	↑ X414																															
	16	16	↑ X116	↑ X216	↑ X316	↑ X416																															
E	18	18	↑ X118	↑ X218	↑ X318	↑ X418																															
	20	20	↑ X120	↑ X220	↑ X320	↑ X420																															
	22	22	↑ X122	↑ X222	↑ X322	↑ X422																															
	24	24	↑ X124	↑ X224	↑ X324	↑ X424																															
	26	26	↑ X126	↑ X226	↑ X326	↑ X426																															
	28	28	↑ X128	↑ X228	↑ X328	↑ X428																															
	30	30	↑ X130	↑ X230	↑ X330	↑ X430																															
D	32	32	↑ X132	↑ X232	↑ X332	↑ X432																															
	34	34	↑ X134	↑ X234	↑ X334	↑ X434																															
	36	36	↑ X136	↑ X236	↑ X336	↑ X436																															
	38	38	↑ X138	↑ X238	↑ X338	↑ X438																															
	40	40	↑ X140	↑ X240	↑ X340	↑ X440																															
	42	42	↑ X142	↑ X242	↑ X342	↑ X442																															
	44	44	↑ X144	↑ X244	↑ X344	↑ X444																															
	46	46	↑ X146	↑ X246	↑ X346	↑ X446																															
C	48	48	↑ X148	↑ X248	↑ X348	↑ X448																															
	50	50	↑ X150	↑ X250	↑ X350	↑ X450																															
	52	52	↑ X152	↑ X252	↑ X352	↑ X452																															
	54	54	↑ X154	↑ X254	↑ X354	↑ X454																															
	56	56	↑ X156	↑ X256	↑ X356	↑ X456																															
	58	58	↑ X158	↑ X258	↑ X358	↑ X458																															
	60	60	↑ X160	↑ X260	↑ X360	↑ X460																															
	62	62	↑ X162	↑ X262	↑ X362	↑ X462																															
B	64	64	↑ X164	↑ X264	↑ X364	↑ X464																															
	66	66	↓ X166	↓ X266	↓ X366	↓ X466																															
	68	68	90130-X168	90130-X268	90130-X368	90130-X468																															
A	CHANGE DWG REVISION EC NO: S2012-0132 DRWN:ATSEE 2011/08/16 CHKD:SKANG 2011/08/18 APPR:MLONG 2011/08/18 CA1											DESCRIPTION REV	QUALITY SYMBOLS F _A =0 F _E =0 F _F =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																	
																MM/IN		NTS	INCH																		
														4 PLACES	± ---	± ---	DRAWN BY	DATE	C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER MOLEX INCORPORATED																		
														3 PLACES	± ---	± .004	CHECKED BY	DATE																			
														2 PLACES	± 0.10	± ---	ATSEE	2010/02/11																			
														1 PLACE	± ---	± ---	APPROVED BY	DATE																			
														ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.																	
														DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-90130			2 OF 4																
														SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						



VERSION FULLY LOADED



NOTES :

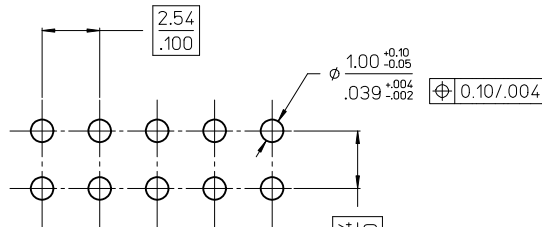
- MATERIAL:-
- PIN:- (0.65)/.0255 SQ. BRASS WIRE.
- HOUSING:- 15% GLASS FILLED POLYESTER
- UL 94 V-0 COLOUR BLACK

- FOR PLATING VERSIONS AND VOID VERSIONS
SEE SHEET 2.

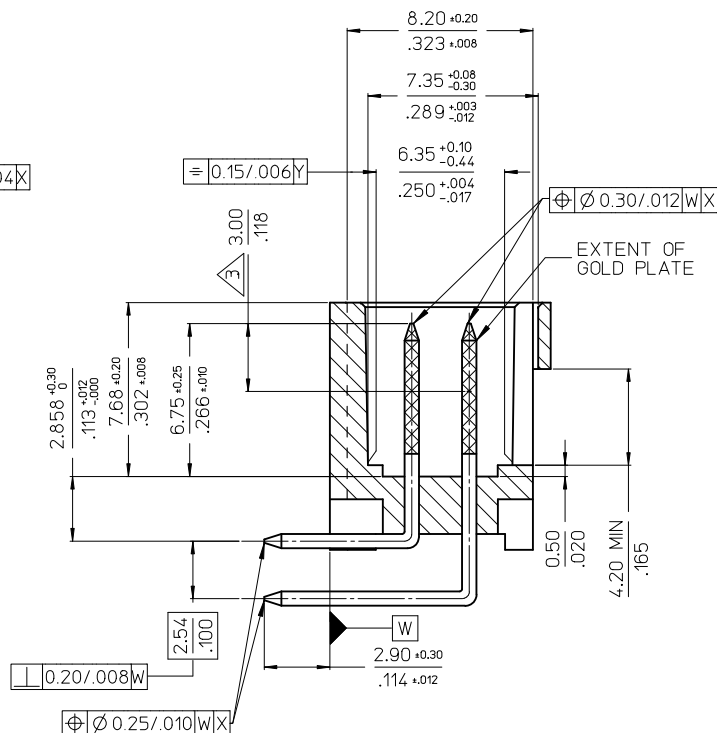
△ MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.

- FOR PRODUCT SPEC SEE PS-99020-0001

- RECOMMENDED PCB THICKNESS: 1.60mm



RECOMMENDED P.C. BOARD
HOLE PATTERN



SECTION K-K

CKT	DIM A	DIM B	DIM C
6	(5.08)/ .200	(9.96)/ .392	(8.12)/ .320
8	(7.62)/ .300	(12.50)/ .492	(10.66)/ .420
10	(10.16)/ .400	(15.04)/ .592	(13.20)/ .520
12	(12.70)/ .500	(17.58)/ .692	(15.74)/ .620
14	(15.24)/ .600	(20.12)/ .792	(18.28)/ .720
16	(17.78)/ .700	(22.66)/ .892	(20.82)/ .820
18	(20.32)/ .800	(25.20)/ .992	(23.36)/ .920
20	(22.86)/ .900	(27.74)/ 1.092	(25.90)/ 1.020
22	(25.40)/ 1.000	(30.28)/ 1.192	(28.44)/ 1.120
24	(27.94)/ 1.100	(32.82)/ 1.292	(30.98)/ 1.220
26	(30.48)/ 1.200	(35.36)/ 1.392	(33.52)/ 1.320
28	(33.02)/ 1.300	(37.90)/ 1.492	(36.06)/ 1.420
30	(35.56)/ 1.400	(40.44)/ 1.592	(38.60)/ 1.520
32	(38.10)/ 1.500	(42.98)/ 1.692	(41.15)/ 1.620
34	(40.64)/ 1.600	(45.52)/ 1.792	(43.68)/ 1.720
36	(43.18)/ 1.700	(48.06)/ 1.892	(46.22)/ 1.820
38	(45.72)/ 1.800	(50.60)/ 1.992	(48.76)/ 1.920
40	(48.26)/ 1.900	(53.14)/ 2.092	(51.30)/ 2.020
42	(50.80)/ 2.000	(55.68)/ 2.192	(53.84)/ 2.120
44	(53.34)/ 2.100	(58.22)/ 2.292	(56.38)/ 2.220
46	(55.88)/ 2.200	(60.76)/ 2.392	(58.92)/ 2.320
48	(58.42)/ 2.300	(63.30)/ 2.492	(61.46)/ 2.420
50	(60.96)/ 2.400	(65.84)/ 2.592	(64.00)/ 2.520
52	(63.50)/ 2.500	(68.38)/ 2.692	(66.54)/ 2.620
54	(66.04)/ 2.600	(70.92)/ 2.792	(69.08)/ 2.720
56	(68.58)/ 2.700	(73.46)/ 2.892	(71.62)/ 2.820
58	(71.12)/ 2.800	(76.00)/ 2.992	(74.16)/ 2.920
60	(73.66)/ 2.900	(78.54)/ 3.092	(76.70)/ 3.020
62	(76.20)/ 3.000	(81.08)/ 3.192	(79.24)/ 3.120
64	(78.74)/ 3.100	(83.62)/ 3.292	(81.78)/ 3.220
66	(81.28)/ 3.200	(86.16)/ 3.392	(84.32)/ 3.320
68	(83.82)/ 3.300	(88.70)/ 3.492	(86.86)/ 3.420

CHANGE DWG REVISION	DESCRIPTION	REV
EC NO: S2012-0132	DRW:ATSEE	1
2011/08/16	CHKD:SKANG	2
2011/08/18	APPR:MLONG	3
CA1		

QUALITY SYMBOLS
$F_A = 0$
$F_B = 0$
$F_P = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± .004
2 PLACES ± 0.10 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN	NTS	INCH	
DRAWN BY	DATE	TITLE	
KS	1988/08/23		
CHECKED BY	DATE		
ATSEE	2010/02/11		
APPROVED BY	DATE		
MLONG	2010/02/19		
MATERIAL NO.	DOCUMENT NO.		
SEE TABLE			

C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER
MOLEX INCORPORATED
SDA-90130
3 OF 4

	10	9	8	7	6	5	4	3	2	1									
	VERSION FULLY LOADED																		
F	NO OF CKTS	HSG CKT SIZE	PART NUMBER									F							
			PLATING TYPE A	PLATING TYPE E	PLATING TYPE F	PLATING TYPE G													
	6	6	90130-X106	90130-X206	90130-X306	90130-X406													
	8	8	X108	X208	X308	X408													
	10	10	X110	X210	X310	X410													
	12	12	X112	X212	X312	X412													
	14	14	X114	X214	X314	X414													
E	16	16	X116	X216	X316	X416						E							
	18	18	X118	X218	X318	X418													
	20	20	X120	X220	X320	X420													
	22	22	X122	X222	X322	X422													
	24	24	X124	X224	X324	X424													
	26	26	X126	X226	X326	X426													
	28	28	X128	X228	X328	X428													
D	30	30	X130	X230	X330	X430						D							
	32	32	X132	X232	X332	X432													
	34	34	X134	X234	X334	X434													
	36	36	X136	X236	X336	X436													
	38	38	X138	X238	X338	X438													
	40	40	X140	X240	X340	X440													
	42	42	X142	X242	X342	X442													
	44	44	X144	X244	X344	X444													
C	46	46	X146	X246	X346	X446						C							
	48	48	X148	X248	X348	X448													
	50	50	X150	X250	X350	X450													
	52	52	X152	X252	X352	X452													
	54	54	X154	X254	X354	X454													
	56	56	X156	X256	X356	X456													
B	58	58	X158	X258	X358	X458						B							
	60	60	X160	X260	X360	X460													
	62	62	X162	X262	X362	X462													
	64	64	X164	X264	X364	X464													
	66	66	X166	X266	X366	X466													
	68	68	90130-X168	90130-X268	90130-X368	90130-X468													
A					CHANGE DWG REVISION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		A
					EC NO: S2012-0132		F=0		mm INCH		MM/IN		NTS		INCH				
					DRWN:ATSEE		F=0		4 PLACES ± --- ± ---		DRAWN BY DATE		KS 1988/08/23		TITLE		C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER		
					CHKD:SKANG		F=0		3 PLACES ± --- ± .004		CHECKED BY DATE		ATSEE 2010/02/11						
					APPR:MLONG		F=0		2 PLACES ± 0.10 ± ---		APPROVED BY DATE		MLONG 2010/02/19		MOLEX INCORPORATED		SDA-90130		
									1 PLACE ± --- ± ---		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
					CA1				ANGULAR ± 1/2°		SEE TABLE						4 OF 4		
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
											SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
											A3								
tb_frame_A3_P_AM_T	9	8	7	6	5	4	3	2	1										