

NOTES :

1. MATERIAL:-

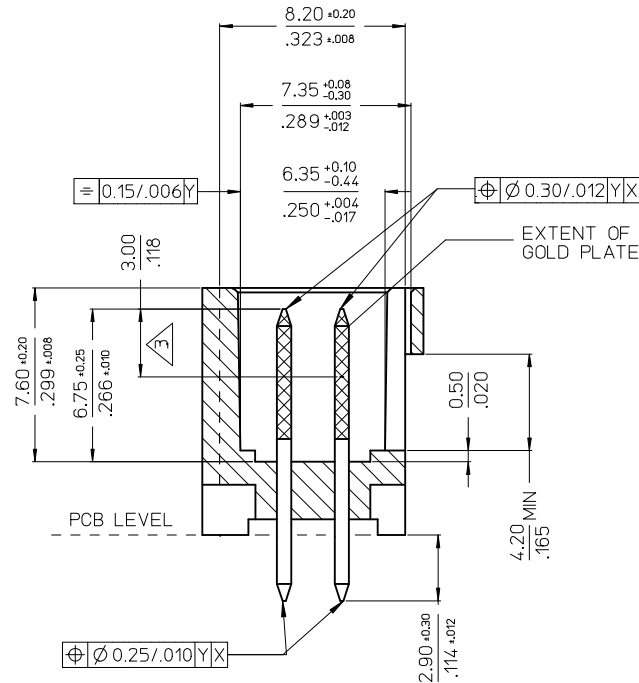
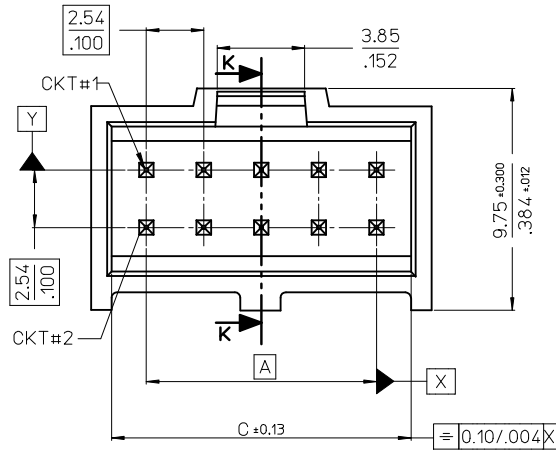
- PIN:- (0.65)/.0255 SQ. BRASS WIRE.
- HOUSING:- 15% GLASS FILLED POLYESTER
- UL 94 V-0 COLOUR BLACK

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

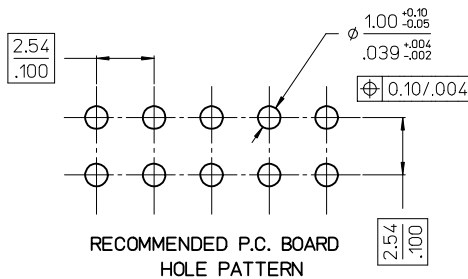
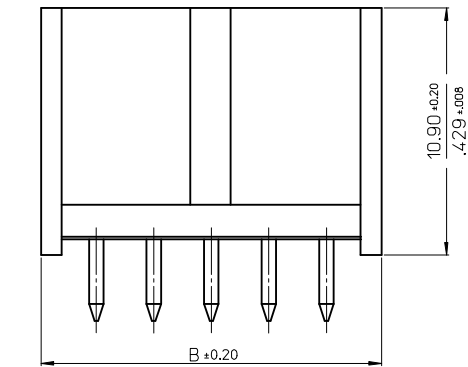
3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.

4. FOR PRODUCT SPEC SEE PS-99020-0001

5. RECOMMENDED PCB THICKNESS: 1.60mm



SECTION K-K



RECOMMENDED P.C. BOARD
HOLE PATTERN

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

ADD DATUMS		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO:	REV	DESCRIPTION	REV	mm	INCH	MM/IN	NTS	INCH	NTS	INCH	NTS	INCH	NTS
S2015-0152	CA2	DRWN:ATSEE		4 PLACES	± ---	± ---	DRAWN BY	DATE	KS	1988/08/23	C-GRID III DUAL ROW STRAIGHT SHROUDED HEADER MOLEX INCORPORATED SDA-90130		
2014/08/18		CHKD:FANNYONG		3 PLACES	± ---	± .004	CHECKED BY	DATE	ATSEE	2010/02/11			
2014/08/19		APPR:LBLEE		2 PLACES	± 0.10	± ---	APPROVED BY	DATE	MLONG	2010/02/19			
				1 PLACE	± ---	± ---	MATERIAL NO.						
				ANGULAR ±1/2°		SEE TABLE		DOCUMENT NO.		SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				1 OF 4			

NOTES :

1. FOR ASSEMBLY, SEE SHEET 1.
2. REFER TO LEGEND FOR PLATING OPTIONS.

PLATING TYPES

8. VERSION WITH VOIDS

1 - TYPE A:
3.04 μ m MIN. TIN OVER 1.27 μ m - 2.54 μ m NICKEL.

2 - TYPE E:
0.38 μ m MIN. GOLD IN SELECTED AREA
& 3.0 μ m MIN. TIN IN SELECTED AREA
OVER 13 μ m MIN. NICKEL OVERALL.

3 - TYPE F:
0.76µm MIN. GOLD IN SELECTED AREA.
& 3.04µm MIN. TIN IN SELECTED AREA
OVER 1.34µm MIN. NICKEL OVERALL.

4 - TYPE G:
0.05 - 0.10µm GOLD FLASH IN SELECTED AREA
& 3.0µm MIN. TIN IN SELECTED AREA
OVER 1.3µm MIN. NICKEL OVERALL.

<i>NO OF CKTS</i>	<i>HSG CKT SIZE</i>	<i>VOIDED PART NUMBER</i>	<i>VOID POSITION</i>	<i>PLATING TYPE</i>
9	10	90130-8190	3	A
9	10	90130-8309	2	F
9	10	90130-8311	1	F
11	12	90130-8212	12	E
11	12	90130-8213	2	E
11	12	90130-8313	2	F
11	12	90130-8191	3	A

fb_frame_A3_P_AM_T
Rev. F 2009/06/18

	10	9	8	7	6	5	4	3	2	1	
	VERSION FULLY LOADED										
	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					
	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					
	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					
	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					
	64	64	X164	X264	X364	X464					
	66	66	X166	X266	X366	X466					
	68	68	90130-X168	90130-X268	90130-X368	90130-X468					