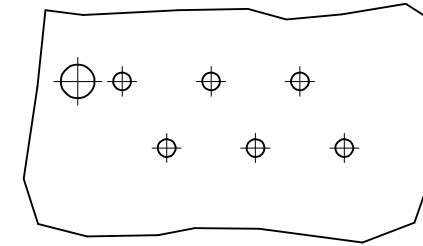
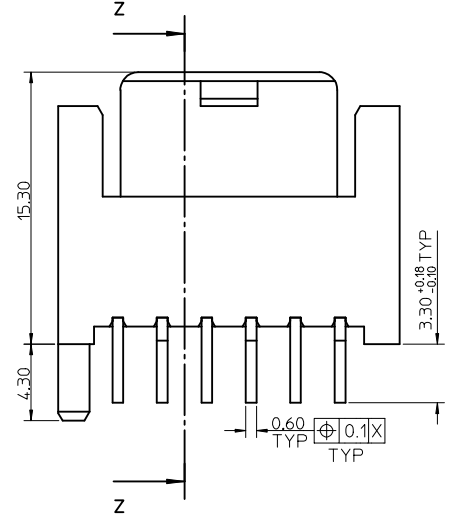
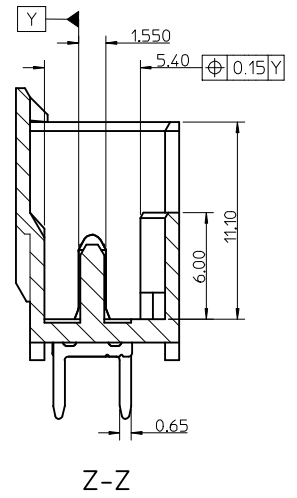
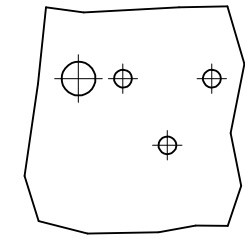


Standard PCB Layout - Even cct size

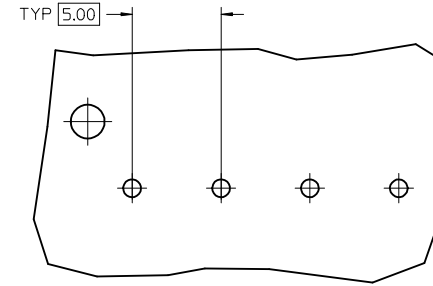
Standard PCB Layout - Odd cct size



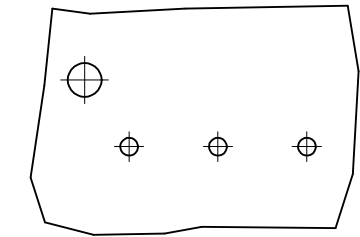
Opposite PCB Layout - Even cct size



Opposite PCB Layout - Odd cct size



Option C PCB Layout - Even cct size



Option C PCB Layout - Odd cct size

CCT	A	B	C
3	5.00	10.10	11.70
4	7.50	12.60	14.20
5	10.00	15.10	16.70
6	12.50	17.60	19.20
7	15.00	20.10	21.70
8	17.50	22.60	24.20
9	20.00	25.10	26.70
10	22.50	27.60	29.20
11	25.00	30.10	31.70
12	27.50	32.60	34.20
13	30.00	35.10	36.70
14	32.50	37.60	39.20
15	35.00	40.10	41.70

NOTES:

- MATERIAL: HOUSING - PA66 25% G/F, UL94 V-0  
COLOUR: NATURAL  
TERMINAL - BRASS  
PLATING - 3-7um Sn over 1.27um Min Ni
- PARTS PACKED AS PER PK-90370-001
- PRODUCT SPECIFICATION: PS-93070-001
- RECOMMENDED PCB THICKNESS: 1.5+/-0.14mm

<b>NEW PART NUMBERS</b> EC NO: IFC2016-0861 DRAWN: MURPHY 2015/12/09 CHKD: CHIKO APPR: SHANAHAN 2016/01/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <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>±0.05</td><td>±---</td></tr> <tr><td>2 PLACES</td><td>±0.10</td><td>±---</td></tr> <tr><td>1 PLACE</td><td>±0.20</td><td>±---</td></tr> </table> ANGULAR ± 2°		mm	INCH	4 PLACES	±---	±---	3 PLACES	±0.05	±---	2 PLACES	±0.10	±---	1 PLACE	±0.20	±---	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>5:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	±---	±---																		
	3 PLACES	±0.05	±---																		
2 PLACES	±0.10	±---																			
1 PLACE	±0.20	±---																			
DRAWN BY TTOURISH 2008/03/14	DATE 2008/03/14	TITLE <b>RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH</b>																			
CHECKED BY BRUTTLE 2008/03/14	DATE 2008/03/14	<b>MOLEX INCORPORATED</b>																			
APPROVED BY BMAGUIRE 2010/11/11	DATE 2010/11/11	MATERIAL NO. <b>SEE SHEETS 2-4</b>	DOCUMENT NO. <b>SD-93070-001</b>	SHEET NO. <b>1 OF 5</b>																	

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

### 3 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-0001	91698-0001	NONE	NONE		YES	STANDARD	NATURAL
93070-0002	91698-0007	b d	NONE		YES	STANDARD	NATURAL
93070-0003	91698-0010	b c	NONE		YES	STANDARD	NATURAL
93070-0004	91698-0006	d	NONE		YES	STANDARD	NATURAL
93070-0005	91698-0003	a	NONE		YES	STANDARD	NATURAL
93070-0006	91698-0009	a b	NONE		YES	STANDARD	NATURAL
93070-0007	91698-0008	a c	NONE		YES	STANDARD	NATURAL
93070-0008	91698-0002	a d	NONE		YES	STANDARD	NATURAL
93070-0009	91698-0011	c d	NONE		YES	STANDARD	NATURAL
93070-0010	91698-0004	b	NONE		YES	STANDARD	NATURAL
93070-0011	91698-0251	NONE	NONE		<b>NO</b>	STANDARD	NATURAL
93070-0012	91698-0018	b d	NONE		YES	STANDARD	<b>BLUE</b>
93070-0013	91698-0019	b c	NONE		YES	STANDARD	<b>RED</b>
93070-0014	91698-0020	d	NONE		YES	STANDARD	<b>GREEN</b>
93070-0015	91698-0021	a	NONE		YES	STANDARD	<b>BLACK</b>

### 4 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-0501	91698-0501	NONE	NONE		YES	STANDARD	NATURAL
93070-0502	91698-0507	b c	NONE		YES	STANDARD	NATURAL
93070-0503	91698-0507	b c	CCT 4		YES	STANDARD	NATURAL
93070-0504	91698-0512	c d	NONE		YES	STANDARD	NATURAL
93070-0505	91698-0501	NONE	CCT 1		YES	STANDARD	NATURAL
93070-0601	91698-0507	b c	NONE		YES	<b>OPPOSITE</b>	NATURAL
93070-0506	91698-0506	b	NONE		YES	STANDARD	NATURAL
93070-0507	91698-0514	c	NONE		YES	STANDARD	NATURAL
93070-0508	91698-0502	d	NONE		YES	STANDARD	NATURAL
93070-0509	91698-0515	a c d	NONE		YES	STANDARD	NATURAL
93070-0510	91698-0516	b c d	NONE		YES	STANDARD	NATURAL
93070-0511	91698-0517	b c d	NONE		YES	STANDARD	<b>RED</b>
93070-0512	91698-0518	d	NONE		YES	STANDARD	<b>RED</b>
93070-0513	91698-0519	b d	NONE		YES	STANDARD	NONE
93070-0514	91698-0509	d e	NONE		YES	STANDARD	NONE
93070-0515	91698-0513	a c e	NONE		YES	STANDARD	NONE
93070-0516	91698-0520	b	NONE		YES	STANDARD	<b>RED</b>
93070-0517	91698-0521	d	NONE		YES	STANDARD	<b>BLUE</b>

### 4 CIRCUIT CONTIN'D

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-0518	91698-0519	b d	<b>CCT 2,3</b>		YES	STANDARD	NATURAL
93070-0519	91698-0505	a	NONE		YES	STANDARD	NATURAL
93070-0520	91698-0522	b e	NONE		YES	STANDARD	NATURAL

NOTES:  
 1. + DENOTES TERMINAL VOIDED POSITION  
 ● DENOTES TERMINAL LOADED POSITION

SEE SHEET 1 ELEC NO: IPG2076-0861 DRAWN BY: MURPHY 2015/12/09 CHKD: APPR: SHAMHAN 2016/01/12 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.05 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- ANGULAR ± 2 °	M M ONLY DRAWN BY: TOURISH DATE: 2008/03/14 CHECKED BY: BRUTTLE DATE: 2008/03/14 APPROVED BY: BMAGUIRE DATE: 2010/11/11	1:1	METRIC	RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHARTS	MATERIAL NO.	DOCUMENT NO.	MOLEX INCORPORATED SD-93070-001	
		SIZE 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.	2 OF 5

### 5 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-1001	91698-1001	NONE	NONE		YES	STANDARD	NATURAL
93070-1002	91698-1004	c d	NONE		YES	STANDARD	NATURAL
93070-1003	91698-1008	a d f	NONE		YES	STANDARD	NATURAL
93070-1101	91698-1001	NONE	NONE		YES	<b>OPPOSITE</b>	NATURAL
93070-1004	91698-1009	d	NONE		YES	STANDARD	NATURAL
93070-1005	91698-1007	a b e f	NONE		YES	STANDARD	NATURAL
93070-1006	91698-1011	b c d e	NONE		YES	STANDARD	NATURAL
93070-1007	91698-1014	c d	NONE		YES	STANDARD	<b>RED</b>
93070-1008	91698-1017	a b e f	NONE		YES	STANDARD	<b>BLUE</b>
93070-1009	91698-1016	b c d e	NONE		YES	STANDARD	<b>BLUE</b>
93070-1010	91698-1018	d e	NONE		YES	STANDARD	NATURAL
93070-1011	91698-1019	b d e	NONE		YES	STANDARD	NATURAL
93070-1012	91698-1020	a c f	NONE		YES	STANDARD	NATURAL
93070-1013	91698-1021	a b c d	NONE		YES	STANDARD	NATURAL
93070-1014	91698-1022	a b d e	NONE		YES	STANDARD	NATURAL
93070-1015	91698-1023	a b c e	NONE		YES	STANDARD	NATURAL
93070-1016	91698-1024	b d e	<b>CCT 4</b>		YES	STANDARD	<b>GREEN</b>

### 6 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-1501	91698-1501	NONE	NONE		YES	STANDARD	NATURAL
93070-1502	91698-1508	d f	CCT 2, 5		YES	STANDARD	NATURAL
93070-1503	91698-1513	c e	NONE		YES	STANDARD	NATURAL
93070-1505	91698-1508	d f	NONE		YES	STANDARD	NATURAL
93070-1506	91698-1514	b d f	CCT 4, 5		YES	STANDARD	NATURAL
93070-1507	91698-1501	NONE	CCT 2		YES	STANDARD	NATURAL
93070-1508	91698-1511	c f	CCT 2		YES	STANDARD	NATURAL
93070-1509	91698-1515	d	NONE		YES	STANDARD	NATURAL
93070-1510	91698-1516	a b c e f	NONE		YES	STANDARD	NATURAL
93070-1511	91698-1507	e f	NONE		YES	STANDARD	NATURAL
93070-1512	91698-1517	d f	NONE		YES	STANDARD	<b>GREEN</b>
93070-1513	91698-1512	b d e f	CCT 2, 4		YES	STANDARD	NATURAL
93070-1514	91698-1518	a b d f	NONE		YES	STANDARD	NATURAL
93070-1515	91698-1516	a b c e f	CCT 1		YES	STANDARD	NATURAL
93070-1516	91698-1751	NONE	NONE		<b>NO</b>	STANDARD	NATURAL
93070-1517	91698-1519	c d	CCT 2, 5		YES	STANDARD	NATURAL

NOTES:  
 1. + DENOTES TERMINAL VOIDED POSITION  
 ⊕ DENOTES TERMINAL LOADED POSITION

SEE SHEET 1 ELEC NO: IPG2076-0861 DRAWN: MURPHY 2015/12/09 CHKD: APPR: SHAMAHAN 2016/01/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	1:1	METRIC	
	▽=0	4 PLACES ± --- ± --- 3 PLACES ± 0.05 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± ---	TITOURISH 2008/03/14 CHECKED BY DATE BRUTTLE 2008/03/14	RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH		
		ANGULAR ± 2°	APPROVED BY DATE BMAGUIRE 2010/11/11	MOLEX INCORPORATED DOCUMENT NO. SD-93070-001 SHEET NO. 3 OF 5		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHARTS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

### 7 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-2001	91698-2001	NONE	NONE		YES	STANDARD	NATURAL
93070-2002	91698-2006	a f	CCT 2, 6		YES	STANDARD	NATURAL
93070-2003	91698-2007	d g	CCT 4		YES	STANDARD	NATURAL
93070-2004	91698-2008	a e	CCT 4		YES	STANDARD	NATURAL
93070-2005	91698-2009	d f g	CCT 4		YES	STANDARD	NATURAL
93070-2006	91698-2006	a f	CCT 4		YES	STANDARD	NATURAL
93070-2007	91698-2003	a	NONE		YES	STANDARD	NATURAL
93070-2008	91698-2001	NONE	CCT 2		YES	STANDARD	NATURAL
93070-2009	91698-2003	a	CCT 4		YES	STANDARD	NATURAL
93070-2010	91698-2005	h	CCT 2		YES	STANDARD	NATURAL
93070-2011	91698-2010	b e g	NONE		YES	STANDARD	NATURAL
93070-2013	91698-2015	h	CCT 2		YES	STANDARD	NATURAL
93070-2014	91698-2016	all	NONE		YES	STANDARD	NATURAL
93070-2015	91698-2012	b c d e f g	NONE		YES	STANDARD	NATURAL

### 8 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-2501	91698-2501	NONE	NONE		YES	STANDARD	NATURAL
93070-2502	91698-2504	c f h i	NONE		YES	STANDARD	NATURAL
93070-2503	91698-2503	b c d h i	CCT 4, 7		YES	STANDARD	NATURAL
93070-2601	91698-2501	NONE	CCT 4, 7		YES	<b>OPPOSITE</b>	NATURAL
93070-2504	91698-2503	b c d h i	NONE		YES	STANDARD	NATURAL
93070-2505	91698-2507	a c e f h i	NONE		YES	STANDARD	NATURAL
93070-2506	91698-2508	a b d f h i	CCT 7, 8		YES	STANDARD	NATURAL
93070-2508	91698-2505	b c d g h i	NONE		YES	STANDARD	NATURAL
93070-2509	91698-2506	c d e h	NONE		YES	STANDARD	NATURAL

### 9 CIRCUIT

MOLEX PART NO.	HOUSING PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION	HOUSING COLOUR
93070-3001	91698-3001	NONE	NONE		YES	STANDARD	NATURAL
93070-3002	91698-3003	ALL	CCT 2, 5, 8		YES	STANDARD	NATURAL
93070-3101	91698-3001	NONE	CCT 3, 5, 8		YES	<b>OPPOSITE</b>	NATURAL
93070-3003	91698-3004	c d e i j	CCT 3, 5, 8		YES	STANDARD	NATURAL
93070-3004	91698-3001	NONE	CCT 2, 5, 8		YES	STANDARD	NATURAL
93070-3005	91698-3006	b c d e f g i	CCT 3, 5, 8		YES	STANDARD	NATURAL

NOTES:  
 1. + DENOTES TERMINAL VOIDED POSITION  
 ⊕ DENOTES TERMINAL LOADED POSITION

SEE SHEET 1 ELEC NO: IPC2076-0861 DRAWN BY: MURPHY CHKD: APPR: SHAMHAN 2015/12/09 2016/01/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	1:1	METRIC	
	▽=0	4 PLACES ± --- ± --- 3 PLACES ± 0.05 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± ---	TOURISH 2008/03/14 CHECKED BY DATE BRUTTLE 2008/03/14 APPROVED BY DATE BMAGUIRE 2010/11/11	TITLE	RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHARTS	MATERIAL NO.	DOCUMENT NO.	MOLEX INCORPORATED SD-93070-001	
						SHEET NO. 4 OF 5

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