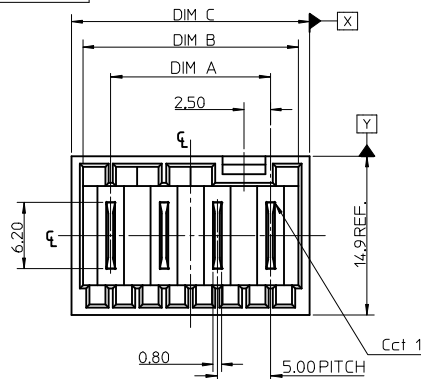
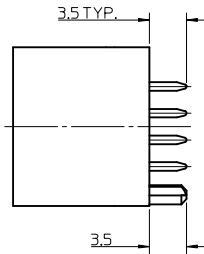


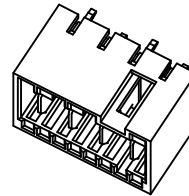
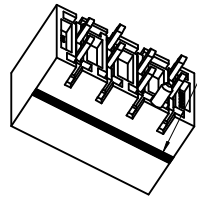
EM-90858-001



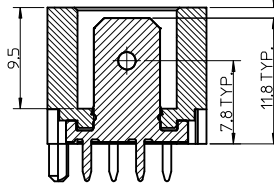
PCB PIN POLARISATION OPTION A AND B



COLOUR STRIPE OPTION

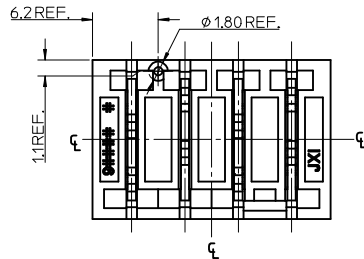
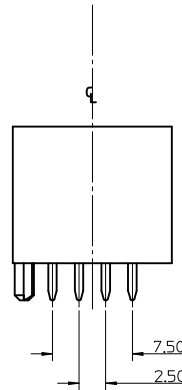
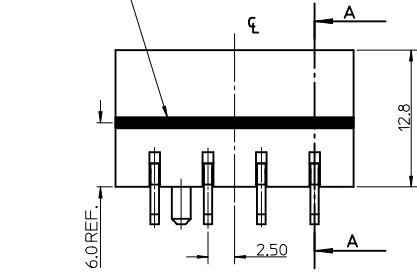


10 TYP.



A-A

COLOUR STRIPE OPTION



NOTES:

1. MATERIALS

HOUSING: PA 66, UL94 V-0 750°C GWT NO FLAME
TERMINAL: BRASS 0.80 REF, THICK
PLATING: OPTIONAL (SEE CHARTS SHEETS 2-8)
TIN PLATING OPTION : 34µm TIN OVER 1.27µm NICKEL
ALL AREAS

SELECTIVE SILVER

CONTACT AREA : 24µm SILVER OVER 1.27µm
NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm

2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
3. MATES WITH MOLEX 91338, 90833, 90835, 91777,
91778, 91779, 91954 & 92000.

4. SEE PACKAGING SPECIFICATION PK-90858-001
TWO PACKAGING OPTIONS

A LOOSE IN POLYBAGS IN SHIPPING CARTON

B IN TUBES IN SHIPPING CARTON

SEE TABLES IN FOLLOWING SHEETS FOR PACKAGING TYPE
FOR EACH PART NUMBER

5. PLATED THRU HOLE

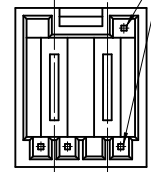
6. NON-PLATED THRU HOLE

7. RECOMMENDED PCB THICKNESS: 1.4±0.1mm

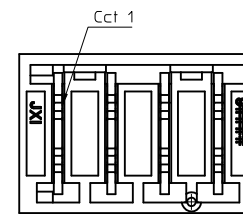
8. PCB VIEW IS FROM SOLDER SIDE

CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	

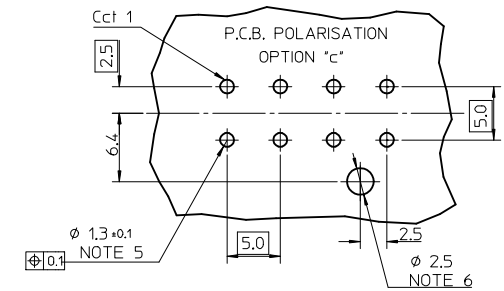
+/-0.30

HOLE ON SOME
TOOLED VERSIONS

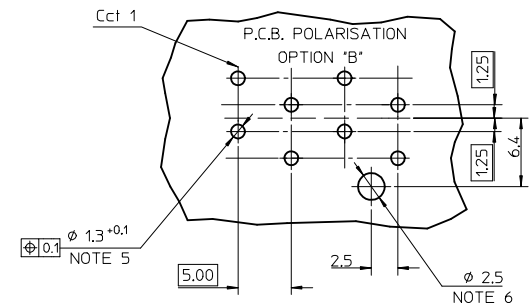
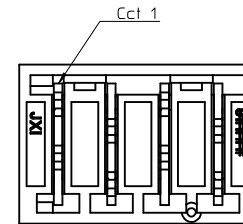
OPTION "C"



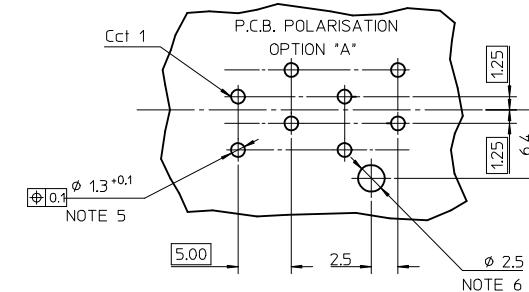
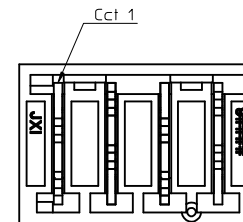
PCB LAYOUT



OPTION "B"



OPTION "A"



ADDED PART NUMBER
EC NO: IFC2014-0533
DRAWN: C/MOHAN 2013/09/17
CHKD: CHKD:
APPR: STGB/IFFIN 2013/11/11
REV

QUALITY
SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.1	± 0.004
3 PLACES	± 0.1	± 0.004
2 PLACES	± 0.1	± 0.004
1 PLACE	± 0.2	± 0.008

ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY

DRAWN BY	DATE
B. RUTLE	2006/10/04
CHECKED BY	DATE
T. TOURSH	2006/10/04
APPROVED BY	DATE
BMAGUIRE	2006/10/04

MATERIAL NO.
SEE SHEETS 2-7
SIZE A2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE 1:1

DOCUMENT NO.
SD-91999-001

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

RAST 5 VERT HDR
PA 66 HOUSING
molex MOLEX INCORPORATED

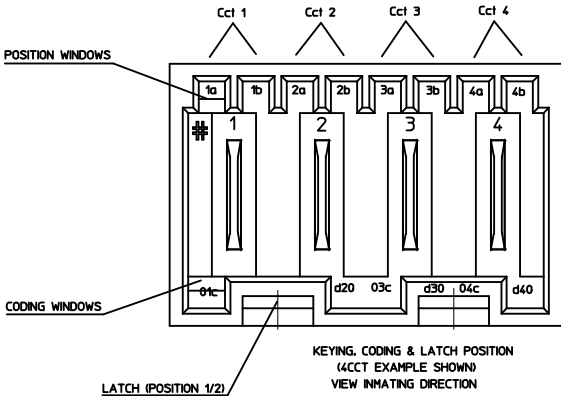
SHEET NO.
1 OF 7

3 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (Tin)	TERM NO. (Tin)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-0502	91703-0002	93002-1000	NATURAL	1b	01c, d20	1/2		NONE	91703-0003	91999-1249	A	A	NONE
91999-0508	91703-0002	93002-1001	NATURAL	1a	03c	1/2		NONE	91703-0003	91999-1248			
91999-0511	91703-0002	93002-1002	NATURAL	1a 1b	d30	1/2		NONE	91703-0003	91999-1247			
91999-0512	91703-0002	93002-1003	NATURAL	1a 3b	01c	1/2		NONE	91703-0003	91999-1246			
91999-0513	91703-0002	93002-1004	NATURAL	1b	d20 03c	1/2		NONE	91703-0003	91999-1245			
91999-0524	91703-0002	93002-1005	NATURAL	1b 2a 2b	d30	1/2		NONE	91703-0003	91999-1244			
91999-0525	91703-0002	93002-1006	NATURAL	2b	d20	1/2		NONE	91703-0003	91999-1243			
91999-0528	91703-0002	93002-1007	NATURAL	ALL	d10 d30	2/3		NONE	91703-0003	91999-1242			
91999-0527	91703-0002	93002-1008	NATURAL	ALL	d20	1/2		NONE	91703-0003	91999-1240			
91999-0526	91703-0002	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0003	91999-1241			
91999-0529	91703-0002	93002-1000	NATURAL	1B	01c d20	1/2		2	91703-0003	91999-1239			
91999-0530	91703-0002	93002-1010	NATURAL	2b 3b	01c d10 02c d30	2/3		NONE	91703-0003	91999-1238			
91999-0531	91703-0002	93002-1011	NATURAL	3b	01c, d30	2/3		NONE	91703-0003	91999-1237			
91999-0532	91703-0002	93002-1012	NATURAL	3b	d10, 02c	2/3		NONE	91703-0003	91999-1236	A	A	NONE
91999-0533	91703-0002	93002-1010	NATURAL	2b 3b	01c d10 02c d30	2/3		NONE	91703-0003	91999-1235	A	B	NONE
91999-0534	91703-0002	93002-1014	NATURAL	ALL	ALL	1/2		NONE	91703-0003	91999-1234	A	A	NONE
91999-0506	91703-0002	93002-1015	NATURAL	1a 3a	d20	1/2		NONE	91703-0003	91999-1233	A	A	NONE
91999-0507	91703-0002	93002-1016	NATURAL	2a	d10 d30	2/3		NONE	91703-0003	91999-1232	A	A	NONE
91999-0535	91703-0002	93002-1017	NATURAL	3b	d10, d30	2/3		NONE	91703-0003	91999-1231	A	A	NONE
91999-0536	91703-0002	93002-1018	NATURAL	1b	01c	1/2		NONE	91703-0003	91999-1230	A	A	NONE
91999-0537	91703-0017	93002-1000	NATURAL	1b	01c d20	1/2		NONE	91703-0018	91999-1229	C	A	NONE
91999-0538	91703-0017	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0018	91999-1228	C	A	NONE
91999-0539	91703-0002	93002-1000	NATURAL	1b	01c d20	1/2		NONE	91703-0003	91999-1227	B	A	NONE
91999-0540	91703-0002	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0003	91999-1226	B	A	NONE
91999-0541	91703-0002	93002-1019	NATURAL	2a	01c d30	1/2		NONE	91703-0003	91999-1225	A	A	NONE
91999-0542	91703-0002	93002-1020	NATURAL	3b	01c d30	1/2		NONE	91703-0003	91999-1224	A	A	NONE
91999-0543	91703-0002	93002-1022	NATURAL	1b 2a	NONE	1/2		NONE	91703-0003	91999-1223	A	A	NONE
91999-0544	91703-0002	93002-1023	NATURAL	1b 2a 2b 3b	NONE	2/3		NONE	91703-0003	91999-1222	A	A	NONE

3 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
Part No. (Tin)	Term. No. (Tin)	Molex Housing No.	Colour	Unblocked Position Keys	Unblocked Coding Keys	Latch Position	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	Term No. (Silver)	Part No. (Silver)			
91999-0545	91999-0002	91999-1025	NATURAL	1a 1b	d20	1/2		None	91703-0003	91999-1221	A	A	None



NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: 1P0204-0533 DRAWN BY: DRW:KOWHAN CHKD: CHYK: APPR:ST:GRIFFIN 2013/09/17 2013/11/11 REV	QUALITY SYMBOLS 	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>---</td> <td>±---</td> </tr> <tr> <td>2 PLACES ±</td> <td>0.1</td> <td>±---</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.2</td> <td>±---</td> </tr> </table> ANGULAR ± 2°		mm	INCH	4 PLACES ±	---	±---	3 PLACES ±	---	±---	2 PLACES ±	0.1	±---	1 PLACE ±	0.2	±---	DIMENSION STYLE MM ONLY DRAWN BY: B. RUTLE CHECKED BY: T. TOURSH DATE: 2006/10/04 DATE: 2006/10/04 APPROVED BY: BMAGUIRE DATE: 2006/10/04	SCALE: 1:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: RAST 5 VERT HDR PA 66 HOUSING
		mm	INCH																	
	4 PLACES ±	---	±---																	
	3 PLACES ±	---	±---																	
2 PLACES ±	0.1	±---																		
1 PLACE ±	0.2	±---																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SIZE A	MOLEX INCORPORATED DOCUMENT NO. SD-91999-001		SHEET NO. 3 OF 7															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

4 CIRCUIT											SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)														
91999-1254	91703-0002	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	91999-1999	A	A	NONE											
91999-1264	91703-0002	93002-2001	NATURAL	1a 4b	d40	1/2 3/4		NONE	91703-0003	91999-1998														
91999-1265	91703-0002	93002-2002	NATURAL	2a 4b	d20	1/2 3/4		NONE	91703-0003	91999-1996														
91999-1267	91703-0002	93002-2003	NATURAL	1b 2a 3a 4b	01c d40	1/2 3/4		NONE	91703-0003	91999-1994														
91999-1270	91703-0002	93002-2004	NATURAL	1a 2b 4b	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1993														
91999-1274	91703-0002	93002-2005	NATURAL	1a 3a 3b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-1992														
91999-1275	91703-0002	93002-2006	NATURAL	1b 2a 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1991														
91999-1278	91703-0002	93002-2007	NATURAL	1a 3a	d40	1/2 3/4		NONE	91703-0003	91999-1987														
91999-1280	91703-0002	93002-2008	NATURAL	1a 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1988														
91999-1281	91703-0002	93002-2009	NATURAL	2a 4b	d20 03c	1/2 3/4		NONE	91703-0003	91999-1986														
91999-1282	91703-0002	93002-2010	NATURAL	3b	d30	2/3		NONE	91703-0003	91999-1985														
91999-1283	91703-0002	93002-2011	NATURAL	1b 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1984	V	V	V											
91999-1284	91703-0002	93002-2012	NATURAL	2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1983														
91999-1285	91703-0002	93002-2013	NATURAL	2a 2b 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1982				A	A	NONE								
91999-1286	91703-0002	93002-2013	NATURAL	2a 2b 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1981	A	B	NONE											
91999-1287	91703-0002	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0003	91999-1980	A	A	NONE											
91999-1288	91703-0002	93002-2016	NATURAL	1b 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1979	A	A	NONE											
91999-1289	91703-0017	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0018	91999-1978	C	A	NONE											
91999-1290	91703-0002	93002-2017	NATURAL	1b 2a 2b 3a 4a 4b	03c d40	1/2 3/4		NONE	91703-0003	91999-1977	A	A	NONE											
91999-1291	91703-0002	93002-2018	NATURAL	ALL	ALL	1/2 3/4		NONE	91703-0003	91999-1976	A	A	NONE											
91999-1292	91703-0002	93002-2019	NATURAL	1b 2a 3a 4a	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1975	A	A	NONE											
91999-1293	91703-0002	93002-2020	NATURAL	1b 2b 3b 4a	01c 03c d40	1/2 3/4		NONE	91703-0003	91999-1974	A	A	NONE											
91999-1294	91703-0002	93002-2021	NATURAL	1a 2a 2b 3a 3b 4a 4b	NONE	1/2 3/4		NONE	91703-0003	91999-1973	A	A	NONE											
91999-1295	91703-0002	93002-2023	NATURAL	1b 3b 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1972	A	A	NONE											
91999-1296	91703-0002	93002-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	91999-1971	B	A	NONE											
91999-1297	91703-0002	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0003	91999-1970	B	A	NONE											
91999-1298	91703-0002	93002-2026	RED	1a 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1969	A	A	NONE											
91999-1299	91703-0002	93002-2027	GREEN	2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1968	A	A	NONE											

4 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE
91999-1279	91703-0002	93002-2028	NATURAL	1b 2a 4b	d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1967			
91999-1251	91703-0002	93002-2029	NATURAL	1a 3b 4a	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-1966	A	A	NONE
91999-1252	91703-0002	93002-2030	NATURAL	1a 2b 3b 4a	d20 d40	1/2 3/4		NONE	91703-0003	91999-1965	A	A	NONE
91999-1253	PARTS OBSOLETE - USE 91999-1254 FOR TIN ALTERNATIVE OR 91999-1999 FOR SILVER ALTERNATIVE									91999-1964			
91999-1255	91703-0002	93002-2033	NATURAL	1b 2a 3a 4b	01c d20 03c	1/2 3/4		NONE	91703-0003	91999-1963	A	A	NONE
91999-1256	91703-0002	93002-2034	NATURAL	1b 2b 3a 4b	01c d40	1/2 3/4		NONE	91703-0003	91999-1962	A	A	NONE
91999-1257	91703-0002	93002-2035	NATURAL	2a 2b 3a 4a	01c 03c	1/2 3/4		NONE	91703-0003	91999-1961	A	A	NONE
91999-1258	91703-0017	93002-2015	NATURAL	1a 4b	01c	1/2 3/4		NONE	91703-0018	91999-1960	C	A	NONE
91999-1259	91703-0017	93002-2010	NATURAL	3b	d30	2/3		NONE	91703-0018	91999-1959	C	A	NONE
91999-1260	91703-0017	93002-2011	NATURAL	1b 2a 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0018	91999-1958	C	A	NONE
91999-1261	91703-0002	93002-2036	NATURAL	1b 2a 3a 3b 4b	01c d20 03c d40	1/2 3/4		NONE	91703-0003	91999-1957	A	A	NONE

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: IPG2014-0533 DRAWN BY: DRINKOWHAN CHKD: APPR: STRIFE IN REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY B. RUTILE	DATE 2006/10/04	TITLE RAST 5 VERT HDR PA 66 HOUSING					
		3 PLACES ± --- ± ---		CHECKED BY T. TOURSH	DATE 2006/10/04	MOLEX INCORPORATED					
		2 PLACES ± 0.1 ± ---		APPROVED BY BMAUIRE	DATE 2006/10/04						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		1 PLACE ± 0.2 ± ---	ANGULAR ± 2 °	SEE CHART		MATERIAL NO. DOCUMENT NO. SD-91999-001		SHEET NO. 4 OF 7			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

		19		18		17		16		15		14		13		12		11							
5 CIRCUIT										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS															
PART NO. (TIN)	Term. No. (Tin)	MOLEX HOUSING NO.	COLOR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID OUT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION *	COLOR STRIPE												
91999-2000	91703-0002	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0003	91999-2749	A	A	NONE												
91999-2001	91703-0002	93002-3001	NATURAL	1a 3a	01c d30	1/2 4/5		NONE	91703-0003	91999-2748															
91999-2002	91703-0002	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0003	91999-2747															
91999-2003	91703-0002	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0003	91999-2746															
91999-2004	91703-0002	93002-3004	NATURAL	1a 2a 2b 4b 5b	01c d30 04c d50	1/2 2/3 4/5		NONE	91703-0003	91999-2745															
91999-2006	91703-0002	93002-3005	NATURAL	2a	01c d50	2/3 4/5		NONE	91703-0003	91999-2742															
91999-2012	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2743															
91999-2013	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		NONE	91703-0003	91999-2741															
91999-2014	91703-0002	93002-3008	NATURAL	4b 5a	01c d30 04c d50	1/2 4/5		NONE	91703-0003	91999-2740															
91999-2015	91703-0002	93002-3009	NATURAL	NONE	01c d40	1/2 3/4		NONE	91703-0003	91999-2739															
91999-2017	91703-0002	93002-3010	NATURAL	1a 4a	d30	1/2 4/5		NONE	91703-0003	91999-2737															
91999-2024	91703-0002	93002-3011	NATURAL	1a 5b	d20 d40	1/2 3/4		NONE	91703-0003	91999-2732															
91999-2025	91703-0002	93002-3019	NATURAL	2b	d20 d50	1/2 3/4		NONE	91703-0003	91999-2733															
91999-2026																									
91999-2027	91703-0002	93002-3020	NATURAL	1a 3a 4b 5a	03c 04c	1/2 4/5		NONE	91703-0003	91999-2735	V	V	V												
91999-2028	91703-0002	93002-3021	NATURAL	2b	d20	1/2 4/5		NONE	91703-0003	91999-2731															
91999-2029	91703-0002	93002-3016	NATURAL	1b 2a 4a	01c 04c d50	1/2 4/5		NONE	91703-0003	91999-2730															
91999-2030	91703-0002	93002-3017	NATURAL	2b 3b 4a	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2729															
91999-2031	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		NONE	91703-0003	91999-2728															
91999-2032	91703-0002	93002-3023	NATURAL	1a 1b 4a	d30 04c d50	1/2 4/5		NONE	91703-0003	91999-2727															
91999-2033	91703-0002	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0003	91999-2726															
91999-2034	91703-0017	93002-3001	NATURAL	1a 3a	01c d30	1/2 4/5		NONE	91703-0018	91999-2725															
91999-2035	91703-0002	93002-3024	NATURAL	ALL	ALL	1/2 3/4		NONE	91703-0003	91999-2724															
91999-2036	91703-0017	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0018	91999-2723															
91999-2038	91703-0002	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0003	91999-2721	B	A	NONE												
91999-2039	91703-0017	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0018	91999-2720	C	A	NONE												
91999-2040	91703-0002	93002-3003	NATURAL	1b 2a 3b 5a	01c 03c	1/2 3/4		NONE	91703-0003	91999-2719	B	A	NONE												
91999-2041	91703-0002	93002-3026	NATURAL	2a 2b 3b 4a	d20 d40	1/2 3/4		NONE	91703-0003	91999-2718	A	A	NONE												

5 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS						
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID OUT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION *	COLOUR STRIPE
91999-2042	91703-0017	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0018	91999-2717	C	A	NONE
91999-2043	91703-0002	93002-3029	NATURAL	1b 3b 4b	01c d20 d50	1/2 4/5		2,4	91703-0003	91999-2716	A	A	NONE

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1
EC NO: P0204-0533
DRAWN BY: DRW:KONHAN
CHKD: 2013/09/17
APPR:STGR LIF IN 2013/11/11

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
B. RUTLE 2006/10/04
CHECKED BY DATE
T. TOURSH 2006/10/04
APPROVED BY DATE
BMAGUIRE 2006/10/04
MATERIAL NO.
DOCUMENT NO.
SD-91999-001

SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
RAST 5 VERT HDR
PA 66 HOUSING
MOLEX INCORPORATED
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET NO.
5 OF 7

6 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING
FORMAT WHEN ADDING NEW PART NUMBERS

PART NO. (TIN)	TERM NO. (TRN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.L. OPTION	PACKAGE OPTION *	COLOUR STRIPE
91999-2753	91703-0002	93002-4000	NATURAL	1b	03c d60	1/2 4/5		NONE	91703-0003	91999-3499	A	A	NONE
91999-2754	91703-0002	932002-4001	NATURAL	1a 3b 4b	01c d50 06c	1/2 4/5		NONE	91703-0003	91999-3498			
91999-2755	91703-0002	932002-4002	NATURAL	1a 1b 2b 3a 3b 4b	d30 04c d50	1/2 2/3 4/5		NONE	91703-0003	91999-3497			
91999-2756	91703-0002	932002-4003	NATURAL	1a 1b 4a 4b	d10 d50	2/3 4/5		NONE	91703-0003	91999-3496			
91999-2757	91703-0002	932002-4004	NATURAL	2a 4b 5a 6b	d20 03c 05c	1/2 3/4 5/6		NONE	91703-0003	91999-3495			
91999-2758	91703-0002	93002-4005	NATURAL	1a 2b 3a 3b 5b 6b	01c d40 d60	1/2 3/4 5/6		NONE	91703-0003	91999-3494			
91999-2759	91703-0002	93002-4006	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c 03c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3493			
91999-2761	91703-0002	93002-4007	NATURAL	2b	d20 d60	1/2 5/6		NONE	91703-0003	91999-3492			
91999-2762	91703-0002	93002-4008	NATURAL	2b 3b 4a	01c d50 06c	1/2 4/5		NONE	91703-0003	91999-3491			
91999-2768	91703-0002	93002-4009	NATURAL	1b 4b	d20 03c d50 06c	1/2 4/5		NONE	91703-0003	91999-3486			
91999-2769	91703-0002	93002-4010	NATURAL	1a 2b 3b 4a 6b	01c 03c d40 05c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3485			
91999-2770	91703-0002	93002-4011	NATURAL	1a 2b 4a 6b	01c d40	1/2 3/4 5/6		NONE	91703-0003	91999-3484			
91999-2771	91703-0002	93002-4012	NATURAL	1b 6b	d40	1/2 5/6		2 & 5	91703-0003	91999-3483			
91999-2772	91703-0002	93002-4016	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c d60	2/3 5/6		NONE	91703-0003	91999-3482	A	A	NONE
91999-2773	91703-0017	93002-4000	NATURAL	1b	03C d60	1/2 4/5		NONE	91703-0018	91999-3481	C	A	NONE
91999-2774	91703-0017	93002-4017	NATURAL	1a 1b 2b 3b	d20 05c d60	1/2 3/4 5/6		NONE	91703-0018	91999-3480	C	A	NONE
91999-2775	91703-0017	93002-4016	NATURAL	1b 2a 3a 4b 5a 5b 6b	01c d60	2/3 5/6		NONE	91703-0018	91999-3479	C	A	NONE
91999-2776	91703-0002	93002-4018	NATURAL	ALL	ALL	1/2 4/5		NONE	91703-0003	91999-3478	A	A	NONE
91999-2777	91703-0002	93002-4019	NATURAL	1b	03c d60	1/2 5/6		NONE	91703-0003	91999-3477	A	A	NONE
91999-2778	91703-0002	93002-4020	NATURAL	1b 2b 3b	01c 05c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3476	A	A	NONE
91999-2779	91703-0002	93002-4021	NATURAL	ALL	ALL	2/3 4/5		NONE	91703-0003	91999-3475	A	A	NONE
91999-2780	91703-0002	93002-4023	NATURAL	1b 6a	04c	1/2 5/6		NONE	91703-0003	91999-3474	A	A	NONE
91999-2781	91703-0017	93002-4000	NATURAL	1b	03c d60	1/2 4/5		NONE	91703-0018	91999-3473	C	A	NONE
91999-2782	91703-0002	93002-4022	NATURAL	1b 2a 2b 3a 3b 6a	ALL	4/5		NONE	91703-0003	91999-3472	A	A	NONE
91999-2783	91703-0002	93002-4025	NATURAL	1b 2a 3a 4b 5b 6a 6b	01c d20 03c d60	1/2 3/4 5/6		NONE	91703-0003	91999-3471	A	A	NONE
91999-2784	91703-0002	93002-4012	NATURAL	2b 6b	d40	1/2 5/6		NONE	91703-0003	91999-3470	A	A	NONE
91999-2785	91703-0002	93002-4026	NATURAL	1a 1b 2a 2b 3a 3b 6a	01c d10 02c d30 d50 06c	4/5		NONE	91703-0003	91999-3469	A	A	NONE
91999-2786	91703-0002	93002-4000	NATURAL	1b	03c d60	1/2 4/5		2	91703-0003	91999-3468	A	A	NONE

NOTES:

* SEE SHEET 1 NOTE 4

see sheet 1 EC NO: PG2014-0533 DRAWN BY: DRW:KONWAN CHKD: APPR:STRIFE IN AL	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE B. RUTILE 2006/10/04		TITLE RAST 5 VERT HDR PA 66 HOUSING			
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± ---		CHECKED BY DATE T. TOURSH 2006/10/04		APPROVED BY DATE BMAGUIRE 2006/10/04			
		ANGULAR ± 2 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-91999-001			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

7 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION	PACKAGING OPTION #	COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-3511	91703-0002	93002-5000	NATURAL	NONE	03c d40 d7c	1/2 5/6		NONE	91703-0003	91999-4249	A		
91999-3512	91703-0002	93002-5001	NATURAL	3a 4a	d30 d70	1/2 5/6		NONE	91703-0003	91999-4248	A		
91999-3504	91703-0002	93002-5002	NATURAL	2b	d20 d60	1/2 5/6		NONE	91703-0003	91999-4247	A		
91999-3508	91703-0002	93002-5003	NATURAL	1a 1b 3a 4b 5a	01c 07c	1/2 3/4 5/6		NONE	91703-0003	91999-4243	A		
91999-3509	91703-0002	93002-5004	NATURAL	2a	01c d50	2/3 4/5		NONE	91703-0003	91999-4242	A		
91999-3515	91703-0002	93002-5005	NATURAL	7b	01c d40 d70	1/2 3/4 6/7		NONE	91703-0003	91999-4240	A		
91999-3516	91703-0002	93002-5006	NATURAL	1b	03c d60	1/2 4/5		NONE	91703-0003	91999-4239	A		
91999-3517	91703-0002	93002-5007	NATURAL	1a 3a 4b 7b	01c d20 03c 06c	1/2 3/4 6/7		NONE	91703-0003	91999-4238	A		
91999-3519	91703-0002	93002-5008	NATURAL	1b 7a	02c d50	2/3 6/7		NONE	91703-0003	91999-4237	A		
91999-3521	91703-0002	93002-5009	NATURAL	1a 2b 3a 4b 6a	d20 03c d40 d50 d70	1/2 3/4 6/7		NONE	91703-0003	91999-4236	A		
91999-3522	91703-0002	93002-5010	NATURAL	1b 6a	d20 03c d50 d70	1/2 3/4 6/7		NONE	91703-0003	91999-4235	A		
91999-3523	91703-0002	93002-5011	NATURAL	1b 2a 5a 5b 7b	d20 d50 06c d70	1/2 4/5 6/7		NONE	91703-0003	91999-4234	A		
91999-3524	91703-0002	93002-5012	NATURAL	2b	d20 07c	1/2 3/4 5/6		NONE	91703-0003	91999-4233	A		
91999-3525	91703-0002	93002-5013	NATURAL	2a 2b 4b 5b 6a	d20 03c d40 d60	1/2 3/4 5/6		NONE	91703-0003	91999-4232	A		
91999-3526	91703-0002	93002-5014	NATURAL	2b 4a 4b 5b 6a	01c d20 d40 d60	1/2 3/4 5/6		NONE	91703-0003	91999-4231	A		
91999-3527	91703-0002	93002-5015	NATURAL	1b 2a 3a 5b 6a 6b 7b	01c d70	2/3 6/7		NONE	91703-0003	91999-4230	A		
91999-3528	91703-0002	93002-5016	NATURAL	ALL	ALL	1/2 5/6		NONE	91703-0003	91999-4229	A		
91999-3529	91703-0002	93002-5017	NATURAL	2a 3b 4b 5a 6a 6b 7a	01c d30 04c 06c d60 d70	1/2 4/5		NONE	91703-0003	91999-4228	A		
91999-3530	91703-0002	93002-5018	NATURAL	none	04c 07c	1/2 5/6		NONE	91703-0003	91999-4227	A		
91999-3531	91703-0017	93002-5000	NATURAL	none	03c d40 07c	1/2 5/6		NONE	91703-0018	91999-4226	A		
91999-3532	91703-0002	93002-5021	NATURAL	5b	d30 d70	1/2 6/7		NONE	91703-0003	91999-4225	A		
91999-3533	91703-0002	93002-5022	NATURAL	1a 1b 2b 3a 4b 6a	d10 d30 04c d40 d50 d70	2/3 6/7		NONE	91703-0003	91999-4224	A		
91999-3534	91703-0002	93002-5023	NATURAL	1b 2b 3a 4a 7b	d20 03c d70	1/2 3/4 4/5 6/7		NONE	91703-0003	91999-4223	A		

8 CIRCUIT							SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS				P.C.B. POLARISATION OPTION	PACKAGING OPTION #	COLOUR STRIPE								
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)											
91999-4250	91703-0002	93002-6010	NONE	08b	01c d10 04c d60 03c d30 06c d80 07c d70 09c d90	2/3	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr></table>	1	2	3	4	5	6	7	8	NONE	91703-0003	91999-4999	A	A	NONE
1	2	3	4	5	6	7	8														

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1
EC NO: IP2014-0533
DRAWN BY: DRW:KCONHAN
CHKD: 2013/09/17
APPR:STRIFE IN
REV: 2013/11/11

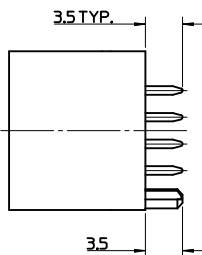
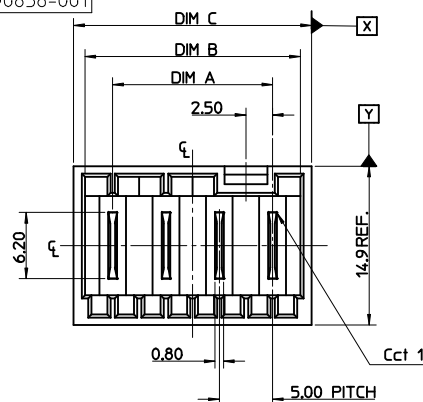
QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

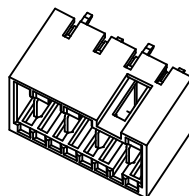
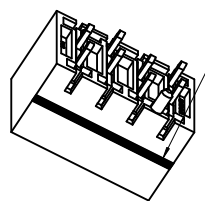
DIMENSION STYLE
MM ONLY
DRAWN BY DATE
B. RUTILE 2006/10/04
CHECKED BY DATE
T. TOURSH 2006/10/04
APPROVED BY DATE
BMAGUIRE 2006/10/04
MATERIAL NO.
SEE CHARTS
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
RAST 5 VERT HDR
PA 66 HOUSING
MOLEX INCORPORATED
DOCUMENT NO.
SD-91999-001
SHEET NO.
7 OF 7

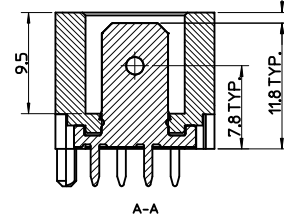
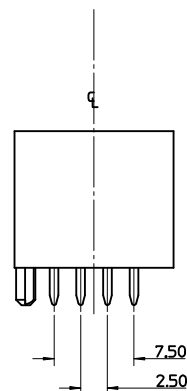
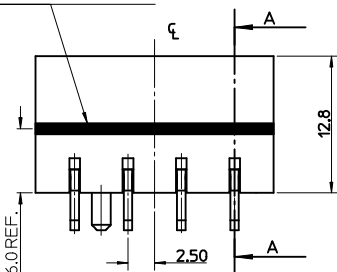
EM-90858-001

PCB PIN POLARISATION
OPTION A AND B

COLOUR STRIPE OPTION



COLOUR STRIPE OPTION



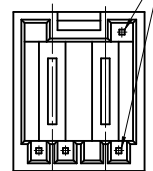
CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	+/-0.30
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	

NOTES:

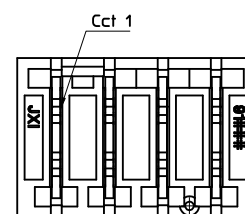
1. MATERIALS

- HOUSING: PA 66, UL94 V-2 HALOGEN FREE
 TERMINAL: BRASS 0.80REF. THICK
 PLATING: OPTIONAL (SEE CHARTS SHEET 2)
 TIN PLATING OPTION : 34µm TIN OVER
 127µm NICKEL ALL AREAS.
 SELECTIVE SILVER
 CONTACT AREA : 24µm SILVER OVER 127µm
 NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm

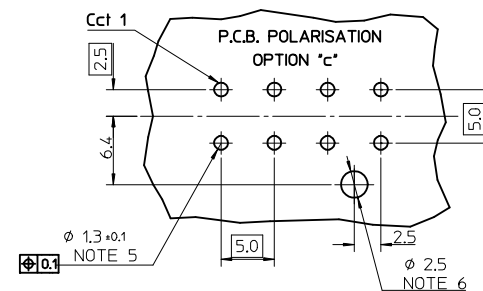
2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
 3. MATES WITH MOLEX 91338, 90833, 90835, 91777, 91778, 91779, 91954 & 92000.
 4. SEE PACKAGING SPECIFICATION PK-90858-001
 TWO PACKAGING OPTIONS
 'A' LOOSE IN POLYBAGS IN SHIPPING CARTON
 'B' IN TUBES IN SHIPPING CARTON
 SEE TABLES IN FOLLOWING SHEETS FOR PACKAGING TYPE FOR EACH PART NUMBER
 5. PLATED THRU HOLE
 6. NON-PLATED THRU HOLE
 7. RECOMMENDED PCB THICKNESS: 1.4±0.1mm
 8. PCB VIEW IS FROM SOLDER SIDE

HOLE ON SOME
TOOLED VERSIONS

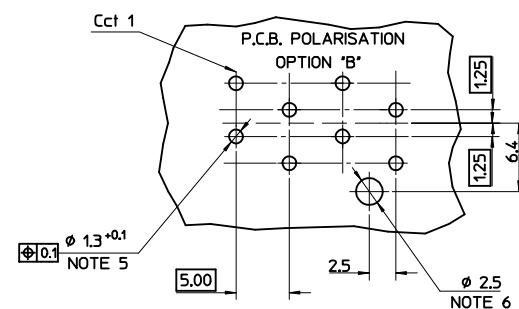
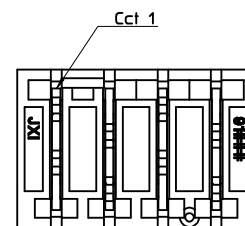
OPTION "C"



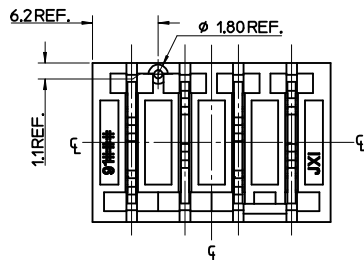
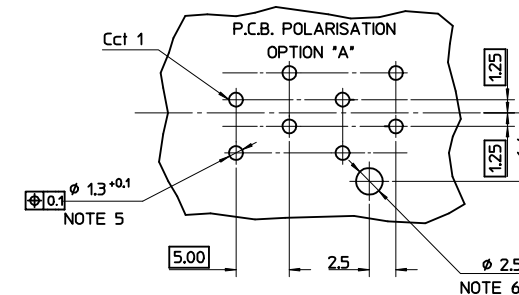
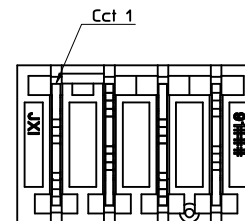
PCB LAYOUT



OPTION "B"



OPTION "A"



PLATING SPEC CHANGE
 EC NO: IGC2013-1606
 DRAWING NO: IVCAN012013/04/19
 CHKD: APPR: STGB
 DATE: 2013/06/10

QUALITY
 SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
B. RUTTLE	2006/10/04
CHECKED BY	DATE
T. TOURSH	2006/10/04
APPROVED BY	DATE
BMAGUIRE	2011/02/07

MATERIAL NO.
 SEE SHEET 2
 SIZE A2

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE
 PROJECTION

TITLE

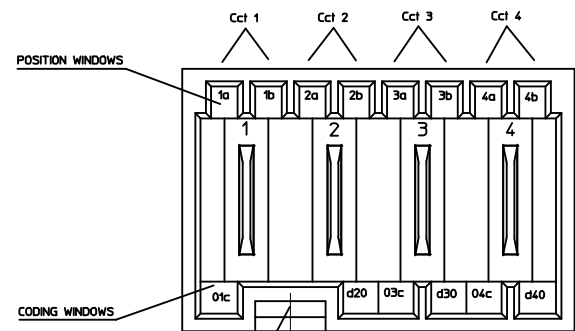
RAST 5 VERT HDR
 PA 66 HOUSING
 HALOGEN FREE

MOLEX INCORPORATED

DOCUMENT NO.
 SD-93319-001
 SHEET NO.
 1 OF 2

4 CIRCUIT

4 CIRCUIT											SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS					COLOUR STRIPE
PART NO. (TIN)	TERM NO. (TIN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGE OPTION *				
93319-1254	91703-0002	93318-2000	NATURAL	1b	03c d40	1/2 3/4		NONE	91703-0003	93319-1999	A	A			NONE	



KEYING, CODING & LATCH POSITION
(4CCT EXAMPLE SHOWN)
VIEW INMATING DIRECTION

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: PG2013-1606 DRAWN: BMOSULLIVAN012013/04/19 CHKD: APPR: SGRIFFIN 2013/06/10	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	RAST 5 VERT HDR PA 66 HOUSING HALOGEN FREE MOLEX INCORPORATED	DOCUMENT NO. SD-93319-001	SHEET NO. 2 OF 2				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									