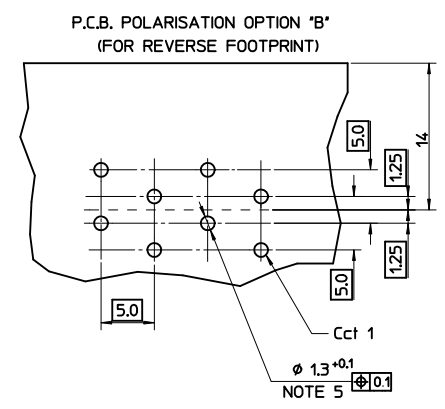
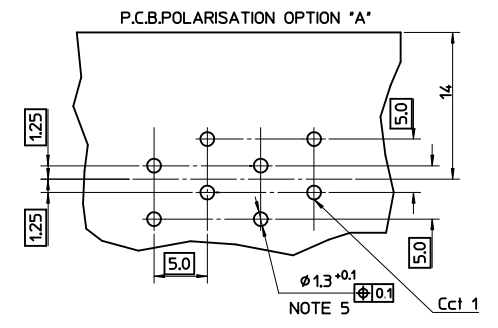


CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	+/-0.30
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	

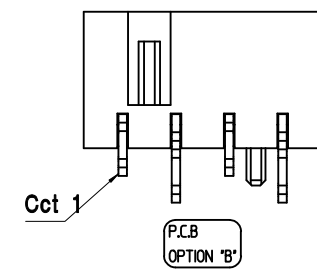
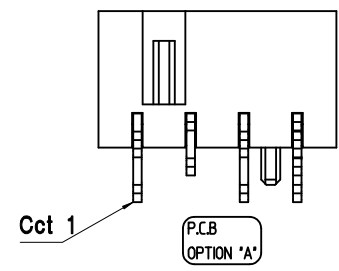
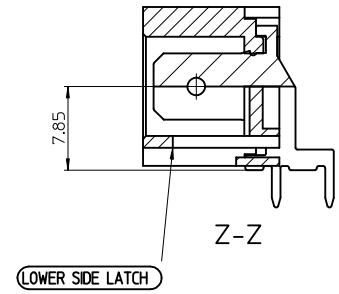
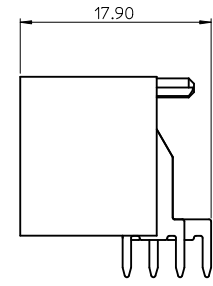
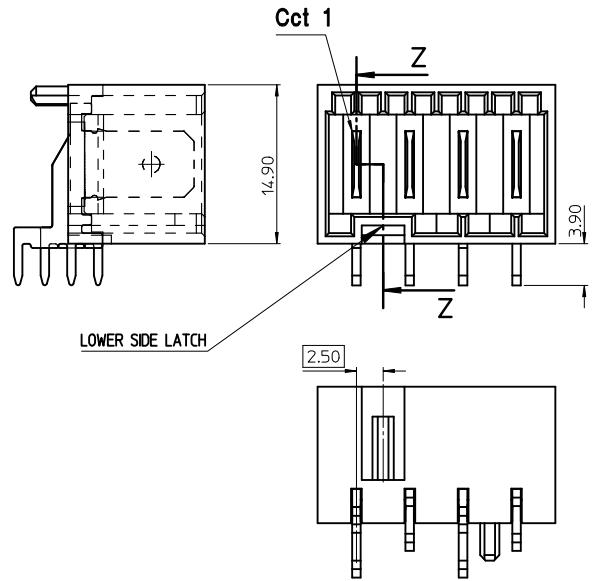
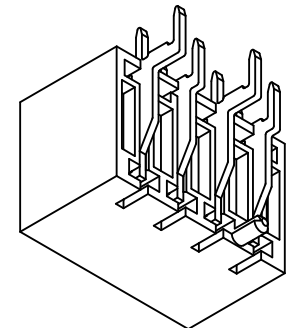
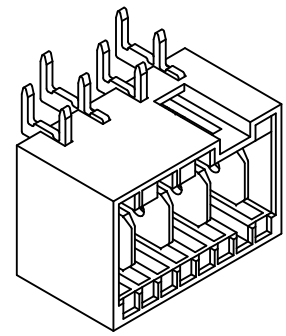
RECOMMENDED PCB LAYOUT



- NOTES:
- MATERIAL:  
HOUSING: PA 66, UL94 V-0 750°C GWT NO FLAME  
TERMINAL: BRASS 0.80 REF. THICK  
PLATING: OPTIONAL (SEE CHARTS SHEETS 2-7)  
5µm TIN OVER  
2.5µm NICKEL ALLOVER  
SELECTIVE SILVER  
2µm SILVER OVER  
3-5µm TIN OVER  
2.5µm NICKEL ALLOVER
  - PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
  - MATES WITH MOLEX 91338, 90833, 90835, 91777, 91778, 91954, 92000 & 91779
  - PARTS PACKAGED LOOSE IN PLASTIC BAGS
  - PLATED THRU HOLE
  - RECOMMENDED PCB THICKNESS: 1.4±0.1mm.
  - PCB VIEW IS FROM SOLDER SIDE

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM ONLY	TITLE			
1	ADDED PART NUMBERS	▽=0	4 PLACES ±---	±---	DRAWN BY	DATE	1:1	METRIC	
2	EC NO: E2011-0320	▽=0	3 PLACES ±---	±---	B. RUTTLE	2006/10/10			
3	DRWN:BRUTTLE		2 PLACES ±0.1	±---	CHECKED BY	DATE	<b>RAST 5 R.A. HDR</b> <b>PA 66 HOUSING</b>		
4	CHKD:		1 PLACE ±0.2	±---	T. TOURISH	2006/10/10			
5	APPR:BMAGUIRE		ANGULAR ± 2°		APPROVED BY	DATE	<b>MOLEX INCORPORATED</b>		
6	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		BMAGUIRE	2010/11/01			
7			SEE SHEETS 3 TO 7		MATERIAL NO.	DOCUMENT NO.	SHEET NO. 1 OF 6		
8			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE				

# LOWER SIDE LATCH OPTION



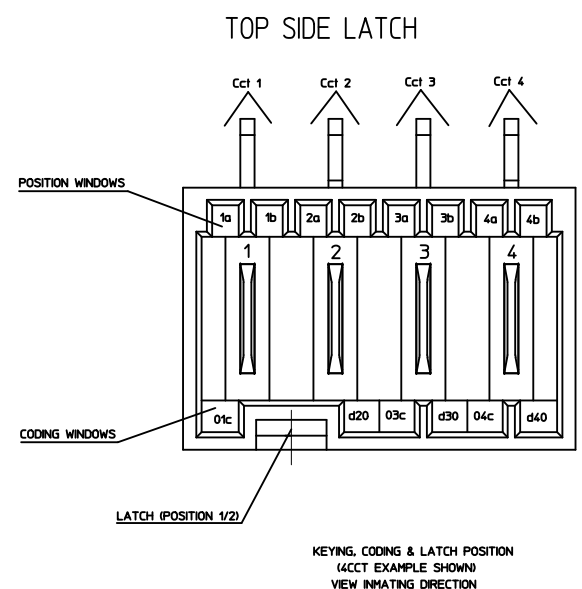
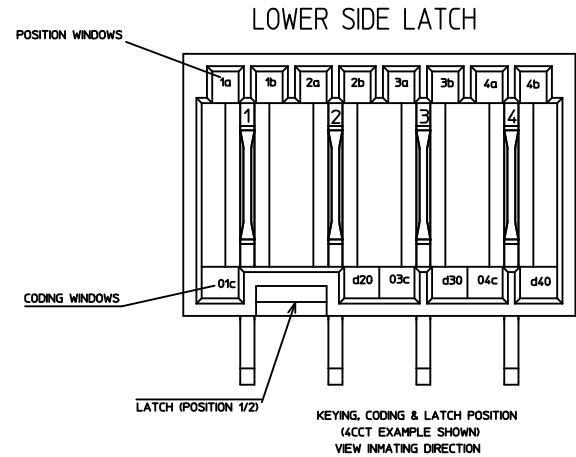
- NOTES:
- FOR CODING OPTION ECT FOR LOWER SIDE LATCH SEE CHARTS SHEETS 3-7)
  - FOR UNSPECIFIED DIMENSION SEE SHEET 1
  - FOR PCB LAYOUTS SEE SHEET 1
  - HOUSING: PA 66, UL94 V-0 750°C GWT NO FLAME  
 TERMINAL: BRASS 0.80REF. THICK  
 PLATING: OPTIONAL (SEE CHARTS SHEETS 3-7)  
 54μm TIN OVER  
 254μm NICKEL ALLOVER  
 SELECTIVE SILVER  
 24μm SILVER OVER  
 3-54μm TIN OVER  
 254μm NICKEL ALLOVER

SEE SHEET 1 EC NO: E2011-0320 DRAWN: BRUTTLE 2011/03/11 CHKD: CHIKO APPR: BMAGUIRE 2011/03/30	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.1 ± ---	1 PLACE ± 0.2 ± ---	DRAWN BY B. RUTTLE	DATE 2006/10/10	TITLE RAST 5 R.A. HDR PA 66 HOUSING		
		ANGULAR ± 2 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY T. TOURISH	DATE 2006/10/10	MOLEX INCORPORATED		
		SEE TABLES		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		APPROVED BY BMAGUIRE	DATE 2010/11/01	MATERIAL NO. SD-93003-001	DOCUMENT NO.	SHEET NO. 2 OF 6

# 2 CIRCUIT

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

PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)	P.C.B. POLARISATION OPTION	TOP SIDE LATCH
93003-0003	NONE	1b 2a	01c d20	1/2		K01	93003-0499	A	YES
93003-0046	NONE	1a 2b	01c	1/2		K02	93003-0498	A	YES
93003-0026	NONE	1b 2b	01c	1/2		K09	93003-0488	A	YES
93003-0018	NONE	2a	01c, d20	1/2		K03	93003-0495	A	YES
93003-0021	NONE	1b	01c, d20	1/2		K16	93003-0492	A	YES
93003-0022	NONE	1a 2b	NONE	1/2		K06	93003-0491	A	YES
93003-0019	NONE	1a 2b	d20	1/2		K05	93003-0478	A	YES
93003-0058	NONE	2b	NONE	1/2		K11	93003-0476	A	YES
93003-0029	NONE	1a 1b	d20	1/2		K13	93003-0486	A	YES
93003-0030	NONE	2a 2b	NONE	1/2		K31	93003-0485	A	YES
93003-0059	NONE	2b	d20	1/2		K38	93003-0475	A	YES
93003-0060	NONE	1a 2a	01c d20	1/2		K44	93003-0474	A	YES
93003-0061	NONE	1a 1b	NONE	1/2		K40	93003-0473	A	YES
93003-0020	NONE	1a 1b	01c	1/2		K04	93003-0493	A	YES
93003-0062	NONE	2b	01c d20	1/2		K15	93003-0472	A	YES
93003-0057	NONE	1a	01c d20	1/2		K12	93003-0477	A	YES
93003-0009	NONE	1a 2a	01c	1/2		K10	93003-0496	A	YES
93003-0049	NONE	ALL	d20	1/2		K34	93003-0481	A	YES
93003-0056	NONE	1b 2a 2b	d20	1/2		K07	93003-0479	A	YES
93003-0063	NONE	1b 2a	01c d20	1/2		K01	93003-0471	B	YES
93003-0064	NONE	ALL	ALL	1/2		K00	93003-0470	A	YES



SEE SHEET 1	EC NO: DRW:BRUTTLE 2011/03/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 7:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
	CHKD: APPR: BMAGUIRE 2011/03/30		mm INCH	DIMENSION STYLE MM ONLY	TITLE	RAST 5 R.A. HDR PA 66 HOUSING		
	DESCRIPTION		4 PLACES ± --- ± ---	DRAWN BY DATE B.RUTTLE 2006/10/10	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
	REVISION		3 PLACES ± --- ± ---	CHECKED BY DATE T.TOURISH 2006/10/10	SEE CHART	SD-93003-001	3 OF 6	
			2 PLACES ± 0.1 ± ---	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			A1
			1 PLACE ± 0.2 ± ---					
			ANGULAR ± 2 °					

3 CIRCUIT									
SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS								P.C.B. POLARISATION OPTION	TOP SIDE LATCH
PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)		
93003-0502	NONE	1b	01c, d20	1/2		K01	93003-1249	A	YES
93003-0508	NONE	1a	03c	1/2		K04	93003-1248	A	YES
93003-0528	NONE	1a 1b	d30	1/2		K05	93003-1247	A	YES
93003-0512	NONE	1a 3b	01c	1/2		K06	93003-1246	A	YES
93003-0513	NONE	1b	d20 03c	1/2		K09	93003-1245	A	YES
93003-0529	NONE	1b 2a 2b	d30	1/2		K33	93003-1244	A	YES
93003-0530	NONE	2b	d20	1/2		K56	93003-1243	A	YES
93003-0526	NONE	ALL	d10 d30	2/3		K38	93003-1242	A	YES
93003-0527	NONE	ALL	d20	1/2		K40	93003-1241	A	YES
93003-0531	NONE	ALL	ALL	1/2		K00	93003-1240	A	YES
93003-0532	NONE	3b	01c d30	1/2		K37	93003-1239	A	YES
93003-0533	NONE	1b 3a	01c	1/2		K03	93003-1238	A	NO

4 CIRCUIT									
SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS								P.C.B. POLARISATION OPTION	TOP SIDE LATCH
PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)		
93003-1254	NONE	1b	03c d40	1/2 3/4		K01	93003-1999	A	YES
93003-1264	NONE	1a 4b	d40	1/2 3/4		K03	93003-1997	A	YES
93003-1265	NONE	2a 4b	d20	1/2 3/4		K07	93003-1996	A	YES
93003-1267	NONE	1b 2a 3a 4b	01c d40	1/2 3/4		K37	93003-1994	A	YES
93003-1278	NONE	1a 2b 4b	01c 03c d40	1/2 3/4		K44	93003-1988	A	YES
93003-1279	NONE	1a 3a 3b	01c d20 d40	1/2 3/4		K32	93003-1987	A	YES
93003-1280	NONE	1b 2a 4b	01c d20 03c	1/2 3/4		K61	93003-1986	A	YES
93003-1281	NONE	1a 3a	d40	1/2 3/4		K06	93003-1985	A	YES
93003-1282	NONE	1a 2b 3b 4a	01c 03c d40	1/2 3/4		K65	93003-1984	A	YES
93003-1266	NONE	2a 4b	d20 03c	1/2 3/4		K30	93003-1995	A	YES
93003-1276	NONE	3b	d30	2/3		K04	93003-1989	A	YES
93003-1283	NONE	ALL	ALL	1/2 3/4		K00	93003-1983	A	YES
93003-1284	NONE	1b	03c	1/2 3/4		N/A	93003-1982	A	YES
93003-1285	NONE	ALL	03c d40	1/2 3/4		N/A	93003-1981	A	YES
93003-1286	NONE	1b	03c d40	1/2 3/4		K01	93003-1980	B	YES
93003-1287	NONE	1a 3a 3b 4a 4b	03c d40	1/2 3/4		---	93003-1979	A	YES

SEE SHEET 1 EC NO: 2011/03/11 CHKD: BRUTTLE APPR: BMAGUIRE 2011/03/30	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	▽ 0 ▽ 0.0	mm	INCH	DIMENSION STYLE MM ONLY		
		4 PLACES ± ---	± ---	DRAWN BY DATE BRUTTLE 2006/10/10		
		3 PLACES ± ---	± ---	CHECKED BY DATE T.TOURISH 2006/10/10		
	2 PLACES ± 0.1	± ---	APPROVED BY DATE BMAGUIRE 2010/11/01			
	1 PLACE ± 0.2	± ---	ANGULAR ± 2 °			
	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			
			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-93003-001	SHEET NO. 4 OF 6

**molex** MOLEX INCORPORATED  
**RAST 5 R.A. HDR PA 66 HOUSING**  
 A1

5 CIRCUIT		SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS						P.C.B. POLARISATION OPTION	TOP SIDE LATCH
PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)		
93003-2000	NONE	1a 5b	01c d30	1/2 2/3		K01	93003-2749	A	YES
93003-2001	NONE	1a 3a	01c d30	1/2 4/5		K30	93003-2748	A	YES
93003-2002	NONE	1a 5b	01c d20 03c d50	1/2 3/4		K31	93003-2747	A	YES
93003-2003	NONE	1b 2a 3b 5a	01c 03c	1/2 3/4		K35	93003-2746	A	YES
93003-2023	NONE	1a 2a 2b 4b 5b	01c d30 04c d50	1/2 2/3 4/5		K36	93003-2732	A	YES
93003-2024	NONE	2a	01c d50	2/3 4/5		K43	93003-2731	A	YES
93003-2025	NONE	2a 4b	01c d20 d40	1/2 3/4		K44	93003-2730	A	YES
93003-2026	NONE	2b	d20	1/2 4/5		K02	93003-2729	A	YES
93003-2027	NONE	4b 5a	01c d30 04c d50	1/2 4/5		K45	93003-2728	A	YES
93003-2028	NONE	NONE	01c d40	1/2 3/4		K46	93003-2727	A	YES
93003-2029	NONE	1a 4b	d30	1/2 4/5		K04	93003-2726	A	YES
93003-2030	NONE	1a 5b	d20 d40	1/2 3/4		K77	93003-2725	A	YES
93003-2005	NONE	1b 2b 4a	d20 d30 d50	1/2 4/5		K40	93003-2744	A	YES
93003-2016	NONE	3b 4a 5b	01c d30 d50	2/3 4/5		k47	93003-2738	A	YES
93003-2018	NONE	1a 4b	01c	1/2 3/4		K48	93003-2736	A	YES
93003-2020	NONE	1a 5b	d30 04c	2/3		K50	93003-2734	A	YES
93003-2021	NONE	1b 2a 4a	01c 04c d50	1/2 4/5		K51	93003-2733	A	YES
93003-2022	NONE	2b 3b 4a	01c d20 d40	1/2 3/4		K52	93003-2735	A	YES
93003-2031	NONE	ALL	ALL	1/2 3/4		K00	93003-2724	A	YES
93003-2032	3	2b	d30	1/2 4/5		N/A	93003-2723	B	YES
93003-2033	2	2b	01c d20 03c d30 04c d50	1/2 4/5		N/A	93003-2722	A	YES
93003-2034	3	2b	01c d20 03c 04c d50	1/2 4/5		N/A	93003-2721	A	

6 CIRCUIT		SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS						P.C.B. POLARISATION OPTION	TOP SIDE LATCH
PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)		
93003-2753	NONE	1b	03c d60	1/2 4/5		K01	93003-3499	A	YES
93003-2754	NONE	1a 3b 4b	01c d50 06c	1/2 4/5		K30	93003-3498	A	YES
93003-2755	NONE	1a 1b 2b 3a 3b 4b	d30 04c d50	1/2 2/3 4/5		K37	93003-3497	A	YES
93003-2756	NONE	1a 1b 4a 4b	d10 d50	2/3 4/5		K39	93003-3496	A	YES
93003-2757	NONE	2a 4b 5a 6b	d20 03c 05c	1/2 3/4 5/6		K42	93003-3495	A	YES
93003-2758	NONE	1a 2b 3a 3b 5b 6b	01c d40 d60	1/2 3/4 5/6		K43	93003-3494	A	YES
93003-2759	NONE	1b 2a 3a 4b 5a 5b 6b	01c 03c d60	1/2 3/4 5/6		K44	93003-3493	A	YES
93003-2760	NONE	2b	d20 d60	1/2 5/6		K46	93003-3492	A	YES
93003-2761	NONE	2b 3b 4a	01c d50 06c	1/2 4/5		K36	93003-3491	A	YES
93003-2762	NONE	1b 4b	d20 03c d50 06c	1/2 4/5		K58	93003-3486	A	YES
93003-2764	NONE	1a 2b 3b 4a 6b	01c 03c d40 05c d60	1/2 3/4 5/6		K59	93003-3485	A	YES
93003-2765	NONE	1a 2b 4a 6b	01c d40	1/2 3/4 5/6		K62	93003-3484	A	YES
93003-2763	NONE	1b 2b 3b	01c 05c d60	1/2 3/4 5/6		K51	93003-3490	A	YES
93003-2766	NONE	1b	d20 03c	1/2 4/5		K55	93003-3489	A	YES
93003-2767	NONE	1b 2a 3a 5a 5b	01c d20 03c d40 d60	1/2 3/4 5/6		K56	93003-3488	A	YES
93003-2771	NONE	1a 3a 3b 5b 6a	01c d20 240 05c d60	1/2 3/4 5/6		K60	93003-3487	A	YES
93003-2772	NONE	ALL	ALL	1/2 4/5		K00	93003-3483	A	YES

SEE SHEET 1 EC NO: DRWN:BRUTTLE 2011/03/11 CHKD: APPR:BYMAGUIRE 2011/03/30 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
		mm INCH	DIMENSION STYLE	TITLE		
		4 PLACES ± --- ± ---	MM ONLY	RAST 5 R.A. HDR PA 66 HOUSING		
		3 PLACES ± --- ± ---	DRAWN BY DATE			
2 PLACES ± 0.1 ± ---		T.TOURISH 2006/10/10		MATERIAL NO. DOCUMENT NO. SHEET NO.		
1 PLACE ± 0.2 ± ---		APPROVED BY DATE		SEE CHART SD-93003-001 5 OF 6		
ANGULAR ± 2 °		MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED		
				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 OPTION	TOP SIDE LATCH	
PART NO. (TIN)	TERMINAL VOID POSITION	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	REF	PART NO. (SILVER)		
93003-3500	NONE	NONE	03c d40 07c	1/2 5/6		K01	93003-4220	A	YES
93003-3512	NONE	3a 4a	d30 d70	1/2 5/6		K30	93003-4248	A	YES
93003-3504	NONE	2b	d20 d60	1/2 5/6		K32	93003-4247	A	YES
93003-3513	NONE	1a 1b 3a 4b 5a	01c 07c	1/2 3/4 5/6		K40	93003-4240	A	YES
93003-3514	NONE	2a	01c d50	2/3 4/5		K41	93003-4239	A	YES
93003-3515	NONE	7b	01c d40 d70	1/2 3/4 6/7		K43	93003-4238	A	YES
93003-3516	NONE	1b	03c d60	1/2 4/5		K31	93003-4237	A	YES
93003-3517	NONE	1a 3a 4b 7b	01c d20 03c 06c	1/2 3/4 6/7		K45	93003-4236	A	YES
93003-3518	NONE	1b 7a	02c d50	2/3 6/7		K48	93003-4235	A	YES
93003-3519	NONE	1a 2b 3a 4b 6a	d20 03c d40 d50 d70	1/2 3/4 6/7		K51	93003-4234	A	YES
93003-3520	NONE	1b 6a	d20 03c d50 d70	1/2 3/4 6/7		K69	93003-4233	A	YES
93003-3505	NONE	1b 2a 5a 5b 7b	d20 d50 06c d70	1/2 4/5 6/7		K34	93003-4246	A	YES
93003-3506	NONE	2b	d20 07c	1/2 3/4 5/6		K35	93003-4245	A	YES
93003-3507	NONE	2a 2b 4b 5b 6a	d20 03c d40 d60	1/2 3/4 5/6		K38	93003-4244	A	YES
93003-3510	NONE	2b 4a 4b 5b 6a	01c d20 d40 d60	1/2 3/4 5/6		K42	93003-4241	A	YES
93003-3521	NONE	ALL	ALL	1/2 5/6		K00	93003-4232	A	YES
93003-3522	NONE	ALL	03c d40 07c	1/2 5/6		---	93003-4231	A	YES
93003-3523	NONE	NONE	03c d40 07c	1/2 5/6		K01	93003-4230	A	NO

SEE SHEET 1 EC NO: DRWN:BRUTTLE 2011/03/11 CHKD: APPR:BYMAGUIRE 2011/03/30 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	0 0.0	mm INCH	DIMENSION STYLE MM ONLY	TITLE RAST 5 R.A. HDR PA 66 HOUSING		
		4 PLACES ± --- ± ---	DRAWN BY DATE B.RUTTLE 2006/10/10	MOLEX INCORPORATED		
		3 PLACES ± --- ± ---	CHECKED BY DATE T.TOURISH 2006/10/10			
2 PLACES ± 0.1 ± ---	APPROVED BY DATE BMAGUIRE 2010/11/01	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-93003-001	SHEET NO. 6 OF 6		
1 PLACE ± 0.2 ± ---	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			