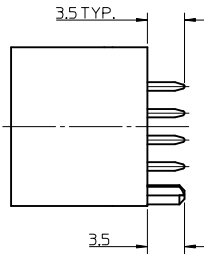
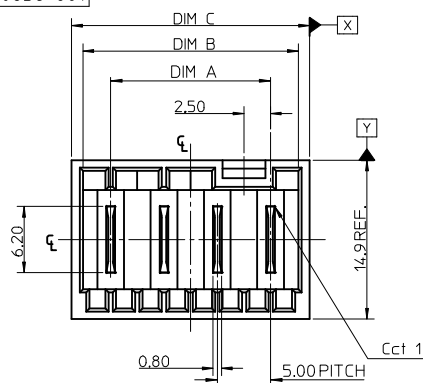
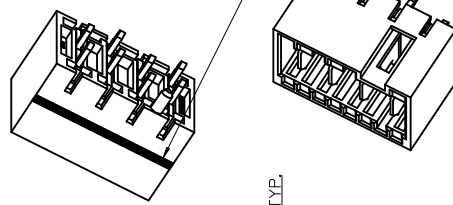


EM-90858-001

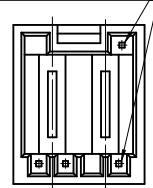
PCB PIN POLARISATION
OPTION A AND B



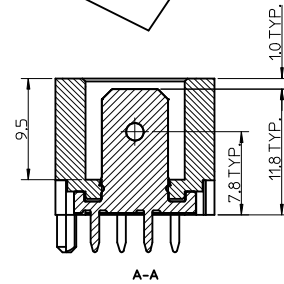
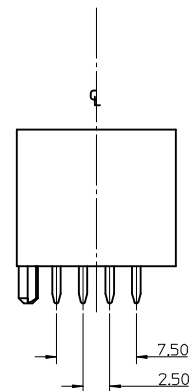
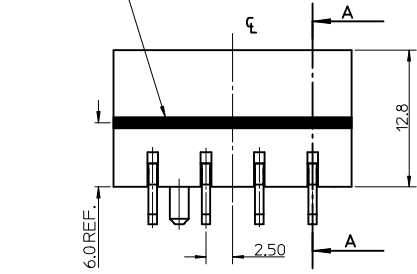
COLOUR STRIPE OPTION



HOLE ON SOME TOOLED VERSIONS



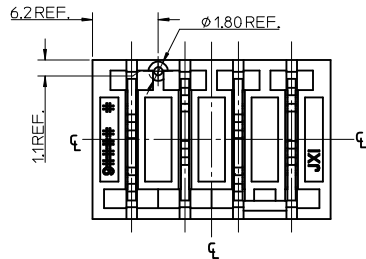
COLOUR STRIPE OPTION



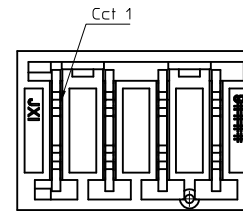
CCT	DIM A	DIM B	DIM C	TOL
2	5.00	10.20	12.30	
3	10.00	15.20	17.30	
4	15.00	20.20	22.30	
5	20.00	25.20	27.30	
6	25.00	30.20	32.30	+/-0.30
7	30.00	35.20	37.30	
8	35.00	40.20	42.30	
9	40.00	45.20	47.30	
10	45.00	50.20	52.30	
11	50.00	55.20	57.30	
12	55.00	60.20	62.30	

NOTES:

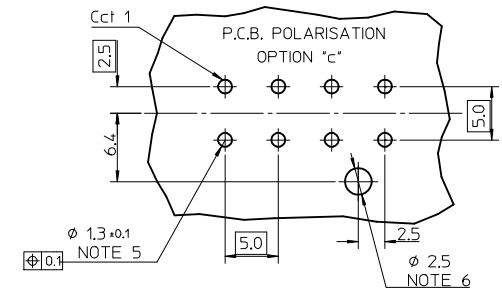
- MATERIALS
HOUSING: PA 66, UL94 V-0 750°C GWT NO FLAME
TERMINAL: BRASS 0.80REF. THICK
PLATING: OPTIONAL (SEE CHARTS SHEETS 2-8)
TIN PLATING OPTION : 3µm TIN OVER 1.27µm NICKEL ALL AREAS
- SELECTIVE SILVER
CONTACT AREA : 24µm SILVER OVER 1.27µm NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm
- PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
- MATES WITH MOLEX 91338, 90833, 90835, 91777, 91778, 91779, 91954 & 92000.
- SEE PACKAGING SPECIFICATION PK-90858-001
- THREE PACKAGING OPTIONS :
"A" LOOSE IN POLYBAGS IN SHIPPING CARTON
"B" IN TUBES WITH TAPE CLOSURE IN SHIPPING CARTON
"D" IN TUBES WITH REUSABLE STOPPER CLOSURE IN SHIPPING CARTON
SEE TABLES IN FOLLOWING SHEETS FOR PACKAGING TYPE FOR EACH PART NUMBER
REFER TO FINAL SHEET FOR PART NUMBERS OFFERING OPTION 'D'
- PLATED THRU HOLE
- NON-PLATED THRU HOLE
- RECOMMENDED PCB THICKNESS: 1.5mm REF
- PCB VIEW IS FROM SOLDER SIDE



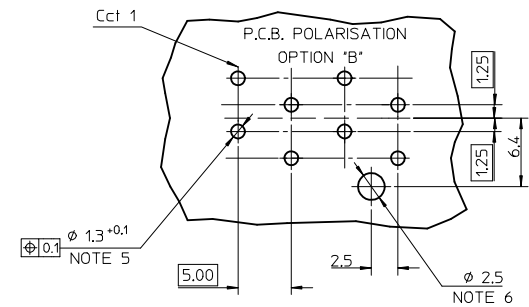
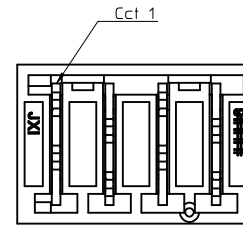
OPTION "C"



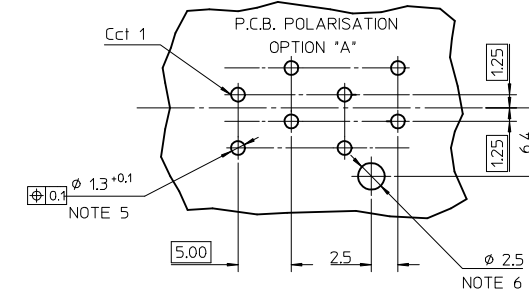
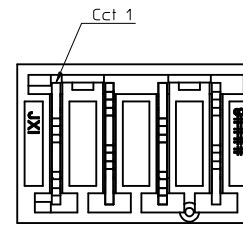
PCB LAYOUT



OPTION "B"



OPTION "A"



NEW PINS SPLIT SHEET 4
EC NO: IFC2017-0474
DRAWN: ZCRAMER 2016/11/15
CHKD: CHPKD
APPR: BRUTTLE 2016/11/22

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 B. RUTTLE
DATE 2006/10/04
CHECKED BY T. TOURSH
DATE 2006/10/04
APPROVED BY BMAGUIRE
DATE 2006/10/04
MATERIAL NO.
SEE SHEETS 2-8

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
TITLE RAST 5 VERT HDR PA 66 HOUSING
MOLEX MOLEX INCORPORATED
DOCUMENT NO. SD-91999-001
SHEET NO. 1 OF 10
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

2 CIRCUIT											P.C.B. POLARISATION OPTION	PACKAGING OPTION #	COLOUR STRIPE
SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS													
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	CLOUR	UNLOCKED POSITION KEYS	UNLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID DKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-0003	9703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	9703-0003	91999-0499	A	A	NONE
91999-0004	9703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	9703-0003	91999-0482	A	A	NONE
91999-0007	9703-0002	93002-0004	NATURAL	1b 2b	01c	1/2		NONE	9703-0003	91999-0497	A	A	NONE
91999-0018	9703-0002	93002-0005	NATURAL	2a	01c, d20	1/2		NONE	9703-0003	91999-0495	A	A	NONE
91999-0019	9703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	9703-0003	91999-0478	A	A	NONE
91999-0021	9703-0002	93002-0006	NATURAL	1b	01c, d20	1/2		NONE	9703-0003	91999-0492	A	A	NONE
91999-0022	9703-0002	93002-0007	NATURAL	1a 2b	NONE	1/2		NONE	9703-0003	91999-0491	A	A	NONE
91999-0027	9703-0002	93002-0009	NATURAL	2b	NONE	1/2		NONE	9703-0003	91999-0487	A	A	NONE
91999-0029	9703-0002	93002-0010	NATURAL	1a 1b	d20	1/2		NONE	9703-0003	91999-0486	A	A	NONE
91999-0030	9703-0002	93002-0011	NATURAL	2a 2b	NONE	1/2		NONE	9703-0003	91999-0485	A	A	NONE
91999-0032	9703-0002	93002-0012	NATURAL	2b	d20	1/2		NONE	9703-0003	91999-0484	A	A	NONE
91999-0047	9703-0002	93002-0013	NATURAL	1a 2a	01c d20	1/2		NONE	9703-0003	91999-0483	A	A	NONE
91999-0055	9703-0002	93002-0014	NATURAL	1a 1b	NONE	1/2		NONE	9703-0003	91999-0480	A	A	NONE
91999-0020	9703-0002	93002-0015	NATURAL	1a 1b	01c	1/2		NONE	9703-0003	91999-0475	A	A	NONE
91999-0054	9703-0002	93002-0016	NATURAL	2b	01c d20	1/2		NONE	9703-0003	91999-0476	A	A	NONE
91999-0057	9703-0002	93002-0017	NATURAL	1a	01c d20	1/2		NONE	9703-0003	91999-0477	A	A	NONE
91999-0058	9703-0002	93002-0018	NATURAL	1a 2a	01c	1/2		NONE	9703-0003	91999-0472	A	A	NONE
91999-0059	9703-0002	93002-0019	NATURAL	ALL	d20	1/2		NONE	9703-0003	91999-0474	A	A	NONE
91999-0060	9703-0002	93002-0020	NATURAL	1b 2a 2b	d20	1/2		NONE	9703-0003	91999-0473	A	A	NONE
91999-0061	9703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	9703-0003	91999-0471	B	A	NONE
91999-0062	9703-0002	93002-0021	NATURAL	2a	01c	1/2		NONE	9703-0003	91999-0470	A	A	NONE
91999-0063	9703-0002	93002-0022	NATURAL	1b, 2a	d20	1/2		NONE	9703-0003	91999-0469	A	A	NONE
91999-0064	9703-0002	93002-0023	NATURAL	1a, 2b	01c, d20	1/2		NONE	9703-0003	91999-0468	A	A	NONE
91999-0065	9703-0002	93002-0002	NATURAL	1b, 2a	01c, d20	1/2		NONE	9703-0003	91999-0467	A	B	NONE
91999-0066	9703-0002	93002-0003	NATURAL	1a, 2b	01c	1/2		NONE	9703-0003	91999-0466	A	B	NONE
91999-0067	9703-0002	93002-0024	NATURAL	ALL	ALL	1/2		NONE	9703-0003	91999-0465	A	A	NONE
91999-0068	9703-0002	93002-0003	NATURAL	1a, 2b	01c	1/2		NONE	9703-0003	91999-0464	A	B	RED
91999-0069	9703-0002	93002-0025	NATURAL	1a	01c	1/2		NONE	9703-0003	91999-0463	A	A	NONE
91999-0070	9703-0002	93002-0026	NATURAL	2a 2b	01c	1/2		NONE	9703-0003	91999-0462	A	B	NONE
91999-0071	9703-0017	93002-0004	NATURAL	1b 2b	01c	1/2		NONE	9703-0018	91999-0461	C	A	NONE

2 CIRCUIT											P.C.B. POLARISATION OPTION	PACKAGING OPTION #	COLOUR STRIPE
SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS													
PART NO. (TIN)	TERM NO. (TIN)	HOUSING NO.	CLOUR	UNLOCKED POSITION KEYS	UNLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID DKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-0042	9703-0002	93002-0027	NATURAL	NONE	d20	1/2		NONE	9703-0003	91999-0460	A	A	NONE
91999-0072	9703-0017	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	9703-0018	91999-0459	C	A	NONE
91999-0073	9703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	9703-0003	91999-0458	B	A	NONE
91999-0074	9703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	9703-0003	91999-0457	B	A	NONE
91999-0075	9703-0017	93002-0005	NATURAL	2a	01c d20	1/2		NONE	9703-0018	91999-0456	C	A	NONE
91999-0076	9703-0002	93002-0005	NATURAL	2a	01c d20	1/2		NONE	9703-0003	91999-0455	B	A	NONE
91999-0077	9703-0002	93002-0028	NATURAL	1a 2a 2b	01c d20	1/2		NONE	9703-0003	91999-0454	A	A	NONE
91999-0078	9703-0002	93002-0029	NATURAL	1b	d20	1/2		NONE	9703-0003	91999-0453	A	A	NONE
91999-0079	9703-0002	93002-0030	NATURAL	1b	NONE	1/2		NONE	9703-0003	91999-0452	A	A	NONE
91999-0080	9703-0002	93002-0031	NATURAL	NONE	01c d20	1/2		NONE	9703-0003	91999-0451	A	A	NONE
91999-0081	9703-0002	93002-0003	NATURAL	1a 2b	01c	1/2		NONE	9703-0003	91999-0450	A	A	RED
91999-0082	9703-0002	93002-0032	NATURAL	1a 1a 2a 2b	01c	1/2		NONE	9703-0003	91999-0449	A	A	NONE
91999-0083	9703-0002	93002-0033	NATURAL	1a 1b 2a	NONE	1/2		NONE	9703-0003	91999-0448	A	A	NONE
91999-0084	9703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	9703-0003	91999-0447	A	A	NONE
91999-0085	9703-0002	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	9703-0003	91999-0446	A	A	NONE
91999-0086	9703-0017	93002-0008	NATURAL	1a 2b	d20	1/2		NONE	9703-0018	91999-0445	C	A	NONE
91999-0087	9703-0002	93002-0034	NATURAL	1a	NONE	1/2		NONE	9703-0003	91999-0444	A	A	NONE
91999-0088	9703-0002	93002-0009	NATURAL	2b	NONE	1/2		NONE	9703-0003	91999-0443	B	A	NONE
91999-0089	9703-0002	93002-0002	NATURAL	1b 2a	01c d20	1/2		NONE	9703-0003	91999-0442	A	A	Black
91999-0090	9703-0002	93002-0036	NATURAL	1b 2b	01c d20	1/2		NONE	9703-0003	91999-0436	A	A	NONE

NOTES:

SEE SHEET 1 NOTE 4

SEE SHEET 1
 SEC NO: PG2047-0474
 DRWNGZGRAMER
 CHKD:
 APPR:BRITTLE
 REV:

2016/11/15
 2016/11/22
 DESCRIPTION

QUALITY SYMBOLS
 $\nabla=0$
 $\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)
 4 PLACES \pm --- \pm ---
 3 PLACES \pm --- \pm ---
 2 PLACES ± 0.1 \pm ---
 1 PLACE ± 0.2 \pm ---
 ANGULAR $\pm 2^\circ$

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

SCALE 1:1
 DESIGN UNITS METRIC
 THIRD ANGLE PROJECTION

TITLE
RAST 5 VERT HDR PA 66 HOUSING

MOLEX INCORPORATED
 DOCUMENT NO.
SD-91999-001

SHEET NO.
2 OF 10

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

3 CIRCUIT

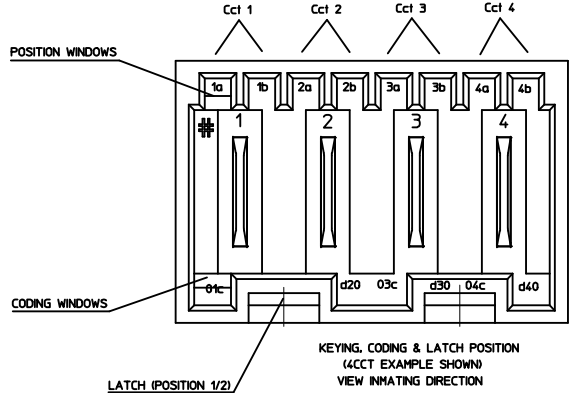
SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS

PART NO. (TIN)	TERM NO. (Tin)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)	P.C.B. OPTION	PACKAGING OPTION #	COLOUR STRIPE
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	A	A	NONE
91999-0511	91703-0002	93002-1002	NATURAL	1a 1b	d30	1/2		NONE	91703-0003	91999-1247	A	A	NONE
91999-0512	91703-0002	93002-1003	NATURAL	1a 3b	01c	1/2		NONE	91703-0003	91999-1246	A	A	NONE
91999-0513	91703-0002	93002-1004	NATURAL	1b	d20 03c	1/2		NONE	91703-0003	91999-1245	A	A	NONE
91999-0524	91703-0002	93002-1005	NATURAL	1b 2a 2b	d30	1/2		NONE	91703-0003	91999-1244	A	A	NONE
91999-0525	91703-0002	93002-1006	NATURAL	2b	d20	1/2		NONE	91703-0003	91999-1243	A	A	NONE
91999-0528	91703-0002	93002-1007	NATURAL	ALL	d10 d30	2/3		NONE	91703-0003	91999-1242	A	A	NONE
91999-0527	91703-0002	93002-1008	NATURAL	ALL	d20	1/2		NONE	91703-0003	91999-1240	A	A	NONE
91999-0526	91703-0002	93002-1009	NATURAL	2b 3b	d10 02c	2/3		NONE	91703-0003	91999-1241	A	A	NONE
91999-0529	91703-0002	93002-1000	NATURAL	1b	01c d20	1/2		2	91703-0003	91999-1239	A	A	NONE
91999-0530	91703-0002	93002-1010	NATURAL	2b 3b	01c d10 02c d30	2/3		NONE	91703-0003	91999-1238	A	A	NONE
91999-0531	91703-0002	93002-1011	NATURAL	3b	01c, d30	2/3		NONE	91703-0003	91999-1237	A	A	NONE
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	91703-0002	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	93002-1030	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

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	PACKAGING OPTION #	COLOUR STRIPE
91999-0545	91703-0002	93002-1025	NATURAL	1a 1b	d20	1/2		None	91703-0003	91999-1221	A	A	None
91999-0546	91703-0002	93002-1026	NATURAL	2a 3a	01c d20 03c	1/2		None	91703-0003	91999-1220	A	A	None
91999-0547	91703-0002	93002-1026	NATURAL	2a 3a	01c d20 03c	1/2		None	91703-0003	91999-1219	A	B	None
91999-0548	91703-0002	93002-1027	NATURAL	1a 3a	d30	2/3		None	91703-0003	91999-1218	A	A	None
91999-0549	91703-0002	93002-1028	NATURAL	1a 1b 2a 2b 3a 3b	01c d10 02c d30	2/3		None	91703-0003	91999-1217	A	A	None
91999-0550	91703-0017	93002-1029	NATURAL	2a	d10 02c d30	2/3		None	91703-0018	91999-1216	C	A	None
91999-0551	91703-0002	93002-1030	NATURAL	1b 2a 2b 3b	None	2/3		None	91703-0003	91999-1215	B	A	None
91999-0552	91703-0020	93002-1031	NATURAL	1b 2b	01c d20	1/2		None	91703-0021	91999-1214	A	A	None
91999-0553	91703-0017	93002-1014	NATURAL	1a 1b 2a 2b 3a 3b	10c d20 03c d30	1/2		None	91703-0018	91999-1213	C	A	None
91999-0554	91703-0002	93002-1032	NATURAL	1a 3a	03c	1/2		None	91703-0003	91999-1212	A	A	None
91999-0555	91703-0002	93002-1033	NATURAL	1b 2a 3b	01c d20	1/2		None	91703-0003	91999-1211	A	A	None
91999-0556	THIS LINE RESERVED FOR FUTURE RELEASE												
91999-0557	91703-0002	93002-1034	NATURAL	3a	03c d30	1/2		None	91703-0003	91999-1209	A	A	None
91999-0558	91703-0002	93002-1025	NATURAL	1a 1b	d20	1/2		2	91703-0003	91999-1208	A	A	None



NOTES:
 * SEE SHEET 1 NOTE 4

SEE SHEET 1 SEC NO: JPC2047-0474 DRWN:ZGRNER CHKD: APPRO:BRUTILE REV:BN	2016/11/15 DESCRIPTION RAST 5 VERT HDR	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 2°	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRAWN BY: B. RUTLE CHECKED BY: T. TOURSH APPROVED BY: BMAGUIRE DATE: 2006/10/04	TITLE RAST 5 VERT HDR PA 66 HOUSING	MOLEX INCORPORATED				
	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-91999-001	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

4 CIRCUIT

Table with columns: 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, PACKAGING OPTION #, COLOUR STRIPE. Includes a 'SEE CODE DESIGNATION TABLE FOR NUMBERING' header.

4 CIRCUIT

Table with columns: 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. Includes a 'SEE CODE DESIGNATION TABLE FOR NUMBERING' header.

NOTES:

4 CIRCUIT PARTS CONTINUE ON SHEET 5

* SEE SHEET 1 NOTE 4

Technical drawing header block including: QUALITY SYMBOLS (e=0, v=0), GENERAL TOLERANCES (UNLESS SPECIFIED), DIMENSION STYLE (MM ONLY), SCALE (1:1), DESIGN UNITS (METRIC), THIRD ANGLE PROJECTION, DRAWN BY (B. RUTILE), CHECKED BY (T. TOURSH), APPROVED BY (BMAGUIRE), MATERIAL NO. (SD-91999-001), and SHEET NO. (4 OF 10).

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)				
91999-1279	91703-0002	93002-2028	NATURAL	1b 2a 4b	d20 03c d40	1/2 3/4	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	NONE	91703-0003	91999-1967	A	A	NONE
1	2	3	4														
91999-1251	91703-0002	93002-2029	NATURAL	1a 3b 4a	01c d20 d40	1/2 3/4	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	NONE	91703-0003	91999-1966	A	A	NONE
1	2	3	4														
91999-1252	91703-0002	93002-2030	NATURAL	1a 2b 3b 4a	d20 d40	1/2 3/4	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4	NONE	91703-0003	91999-1965	A	A	NONE
1	2	3	4														

SEE SHEET 1 SEC NO: IPG2017-0474 DRAWN BY: CRAMER CHKD: BN APPR: BRUTILE 2016/11/22	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 ± --- ± ---	DRAWN BY DATE	TITLE RAST 5 VERT HDR PA 66 HOUSING molex DOCUMENT NO. SD-91999-001 SHEET NO. 5 OF 10		
		3 PLACES ± --- ± ---	B. RUTILE 2006/10/04			
	2 PLACES ± 0.1 ± ---	CHECKED BY DATE				
	1 PLACE ± 0.2 ± ---	T. TOURSH 2006/10/04				
	0 PLACE ± ±	APPROVED BY DATE				
	ANGULAR ± 2 °	B.MAGUIRE 2006/10/04				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.				
		SEE CHART				
		SIZE 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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
91999-2000	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			
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	A	A	NONE
91999-2033	91703-0002	93002-3002	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		NONE	91703-0003	91999-2726	B	A	NONE
91999-2034	91703-0017	93002-3001	NATURAL	1a 3a	01c d30	1/2 4/5		NONE	91703-0018	91999-2725	C	A	NONE
91999-2035	91703-0002	93002-3024	NATURAL	ALL	ALL	1/2 3/4		NONE	91703-0003	91999-2724	A	A	NONE
91999-2036	91703-0017	93002-3000	NATURAL	1a 5b	01c d30	1/2 2/3		NONE	91703-0018	91999-2723	C	A	NONE
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
91999-2044	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		4	91703-0003	91999-2715	A	A	NONE
91999-2045	91703-0002	93002-3030	NATURAL	1a 2b 4b	03c d50	1/2 4/5		NONE	91703-0003	91999-2714	A	A	NONE
91999-2046	91703-0002	93002-3031	NATURAL	2b	d20	1/2		2,4	91703-0003	91999-2713	A	A	NONE
91999-2047	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		2,4	91703-0003	91999-2712	A	A	NONE
91999-2048	91703-0002	93002-3022	NATURAL	1a 5b	01c d20 03c d50	1/2 4/5		2,4	91703-0003	91999-2711	B	A	NONE
91999-2049	91703-0002	93002-3007	NATURAL	2b	d20	1/2 4/5		2,4	91703-0003	91999-2710	B	A	NONE
91999-2050	91703-0002	93002-3020	NATURAL	1a 3a 4b 5a	03c 04c	1/2 4/5		4	91703-0003	91999-2709	A	A	NONE
91999-2051	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		NONE	91703-0003	91999-2708	B	A	NONE
91999-2052	91703-0002	93002-3006	NATURAL	2a 4b	01c d20 d40	1/2 3/4		4	91703-0003	91999-2708	A	A	NONE

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 EC NO: P02017-0474 DRWNG: GRAMER CHKD: APPR: BRITTLE BN	QUALITY SYMBOLS ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.1 ± ---	1 PLACE ± 0.2 ± ---	DRAWN BY B. RUTLE DATE 2006/10/04	CHECKED BY T. TOURSH DATE 2006/10/04	TITLE RAST 5 VERT HDR PA 66 HOUSING		
		ANGULAR ± 2°				APPROVED BY BMAGUIRE DATE 2006/10/04	MATERIAL NO. DOCUMENT NO. SD-91999-001			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		SHEET NO. 6 OF 10		

6 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGE OPTION #	COLOUR STRIPE
PART NO. (ITN)	TERM NO. (ITN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-2753	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	A	A	NONE
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	A	A	NONE
91999-2756	91703-0002	932002-4003	NATURAL	1a 1b 4a 4b	d10 d50	2/3 4/5		NONE	91703-0003	91999-3496	A	A	NONE
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	A	A	NONE
91999-2758	91703-0002	93002-4005	NATURAL	1a 2b 3a 3b 5a 6b	01c d40 d60	1/2 3/4 5/6		NONE	91703-0003	91999-3494	A	A	NONE
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	A	A	NONE
91999-2761	91703-0002	93002-4007	NATURAL	2b	d20 d60	1/2 5/6		NONE	91703-0003	91999-3492	A	A	NONE
91999-2762	91703-0002	93002-4008	NATURAL	2b 3b 4a	01c d50 06c	1/2 4/5		NONE	91703-0003	91999-3491	A	A	NONE
91999-2768	91703-0002	93002-4009	NATURAL	1b 4b	d20 03c d50 06c	1/2 4/5		NONE	91703-0003	91999-3486	A	A	NONE
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	A	A	NONE
91999-2770	91703-0002	93002-4011	NATURAL	1a 2b 4a 6b	01c d40	1/2 3/4 5/6		NONE	91703-0003	91999-3484	A	A	NONE
91999-2771	91703-0002	93002-4012	NATURAL	1b 6b	d40	1/2 5/6		2 & 5	91703-0003	91999-3483	A	A	NONE
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
91999-2787	91703-0002	93002-4027	NATURAL	1a 1b 2a 2b 3a 3b 5b 6b	01c d20 03c d30 04c 05c d60	1/2 5/6		NONE	91703-0003	91999-3467	A	A	NONE

6 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS											P.C.B. OPTION	PACKAGE OPTION #	COLOUR STRIPE
PART NO. (ITN)	TERM NO. (ITN)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID CKT	TERM NO. (SILVER)	PART NO. (SILVER)			
91999-2788	91703-0002	93002-4028	NATURAL	1b 5b 6a	d20 03c d40 05c	1/2 3/4 5/6		NONE	91703-0003	91999-3487	A	A	NONE

NOTES:

* SEE SHEET 1 NOTE 4

see sheet 1 SEC NO: PG2017-0474 DRAWN: ZGRAMER CHKD: APPR: BRUTILE BN	2016/11/15 2016/11/22 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 2°	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	1:1	METRIC	THIRD ANGLE PROJECTION	
		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	RAST 5 VERT HDR PA 66 HOUSING		MOLEX MOLEX INCORPORATED
					MATERIAL NO. DOCUMENT NO. SHEET NO. SD-91999-001 7 OF 10			

7 CIRCUIT										SEE CODE DESIGNATION TABLE FOR NUMBERING FORMAT WHEN ADDING NEW PART NUMBERS			P.C.B. POLARISATION OPTION	PACKAGING OPTION *	COLOUR STRIPE
PART NO. (T80)	TERM NO. (T80)	MOLEX HOUSING NO.	COLOUR	UNBLOCKED POSITION KEYS	UNBLOCKED CODING KEYS	LATCH POSITION	CONFIGURATION (SEE NOTES)	TERMINAL VOID DKT	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	A	NONE		
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 d60	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				
91999-3535	91703-0002	93002-5021	NATURAL	5b	d30 d70	1/2 6/7		2,4&6	91703-0003	91999-4222	A				
91999-3536	91703-0002	93002-5001	NATURAL	3a 4a	d30 d70	1/2 5/6		NONE	91703-0003	91999-4221	A				
91999-3537	91703-0002	93002-5021	NATURAL	5b	d30 d70	1/2 6/7		2,4&6	91703-0003	91999-4220	B				
91999-3538	91703-0002	93002-5001	NATURAL	3a 4a	d30 d70	1/2 5/6		2,4&6	91703-0003	91999-4219	B				

NOTES:
* SEE SHEET 1 NOTE 4

SEE SHEET 1 SEC NO: IPG2017-0474 DRWNG:ZGRAMER CHKD: APPR:BRUTILE BN	2016/11/15 2016/11/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 2°	M M ONLY	1:1	METRIC	DRAWN BY DATE B. RUTILE 2006/10/04 CHECKED BY DATE T. TOURSH 2006/10/04 APPROVED BY DATE BMAGUIRE 2006/10/04	TITLE RAST 5 VERT HDR PA 66 HOUSING	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO.		MOLEX INCORPORATED	
				SIZE 1		DOCUMENT NO.		SHEET NO.	

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	NATURAL	06b	01c 07b 04c 04d 05c 05b 04c 06b 07c 07b 06c 06b	2/3		NONE	91703-0003	91999-4999	A	A	NONE
91999-4251	91703-0002	93002-6011	NATURAL	1a 4b 5c 6b 7b 8a	04d 05d 07c 06b	1/2 3/4 5/6 7/8		NONE	91703-0003	91999-4998	A	A	NONE
91999-4252	91703-0002	93002-6012	NATURAL	all	02d 03c 06d 07c	1/2 7/8		2 4 8	91703-0003	91999-4997	A	A	NONE
91999-4253	91703-0002	93002-6013	NATURAL	1a 2a 3a 4b 5a 5b 6b 7b 8b	01c 03c 06d 07c	1/2 3/4 5/6 7/8		NONE	91703-0003	91999-4996	A	A	NONE

SEE SHEET 1 SEC NO: IPG2017-0474 DRAWN: ZCRAMER 2016/11/15 CHKD: APPR: BRUTILE 2016/11/22 BN	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 ± --- ± ---	DRAWN BY DATE	TITLE RAST 5 VERT HDR PA 66 HOUSING molex DOCUMENT NO. SD-91999-001 SHEET NO. 9 OF 10		
		3 PLACES ± --- ± ---	B. RUTILE 2006/10/04			
	2 PLACES ± 0.1 ± ---	T. TOURSH 2006/10/04				
	1 PLACE ± 0.2 ± ---	APPROVED BY DATE				
	0 PLACE ± ±	BMAGUIRE 2006/10/04	MATERIAL NO.			
	ANGULAR ± 2 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART			
			SIZE 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

PARTS OFFERING PACKAGING OPTION 'D'

TO REQUEST A NEW P/N OFFERING OPTION 'D' CONTACT ENGINEERING DEPARTMENT

FOR KEYING AND TERMINAL INFORMATION, LOOKUP 'MADE-FROM' PART NUMBER IN APPLICABLE TABLE

REFER TO PK-90858-001

2 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM
91999-9500	91999-0003

3 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM
91999-9600	91999-0502

4 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

5 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

6 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

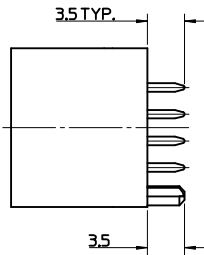
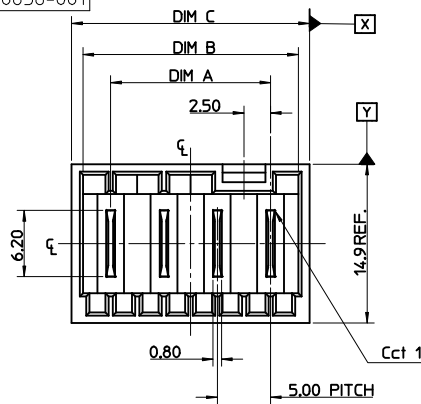
7 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

8 CIRCUIT	
OPTION 'D' PART NO.	MADE FROM

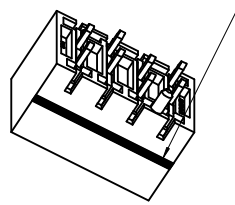
SEE SHEET 1 SEC NO: IPG2017-0474 DRAWN BY: CRAMER CHKD: BN APPR: BRUTILE 2016/11/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- 0 PLACE ± ± ---	M M ONLY DRAWN BY: B. RUTILE DATE: 2006/10/04 CHECKED BY: T. TOURSH DATE: 2006/10/04 APPROVED BY: BMAGUIRE DATE: 2006/10/04	1:1	METRIC	THIRD ANGLE PROJECTION
	DESCRIPTION MATERIAL NO.	ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLES THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	TITLE RAST 5 VERT HDR PA 66 HOUSING	DOCUMENT NO. SD-91999-001	SHEET NO. 10 OF 10
	REV 1	SIZE A 1	SEE TABLES	SEE TABLES	SEE TABLES	SEE TABLES

EM-90858-001

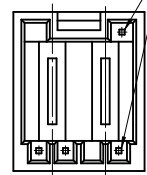
PCB PIN POLARISATION
OPTION A AND B



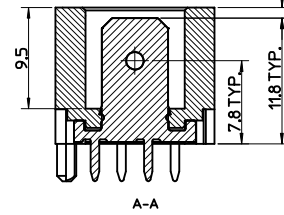
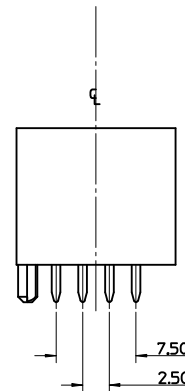
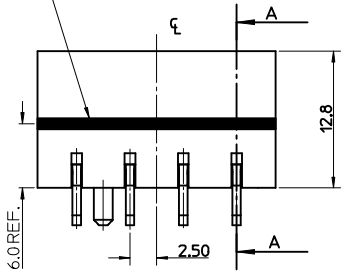
COLOUR STRIPE OPTION



HOLE ON SOME TOOLED VERSIONS



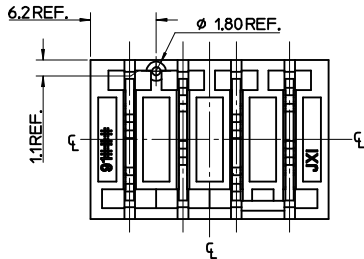
COLOUR STRIPE OPTION



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

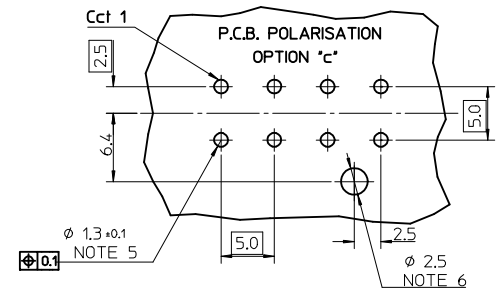
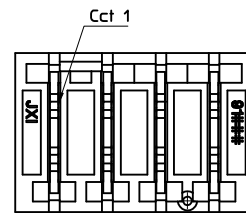
NOTES:

- 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
1.27µm NICKEL ALL AREAS.
SELECTIVE SILVER
CONTACT AREA : 24µm SILVER OVER 1.27µm
NICKEL. ALL OTHER AREAS FLASH OF SILVER 0.10µm
- PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037/39
- MATES WITH MOLEX 91338, 90833, 90835, 91777, 91778, 91779, 91954 & 92000.
- 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
- PLATED THRU HOLE
- NON-PLATED THRU HOLE
- RECOMMENDED PCB THICKNESS: 15mm REF
- PCB VIEW IS FROM SOLDER SIDE

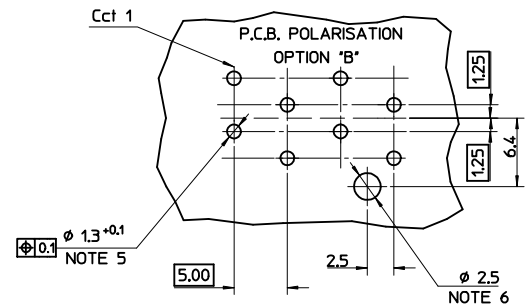
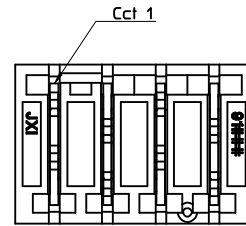


OPTION "C"

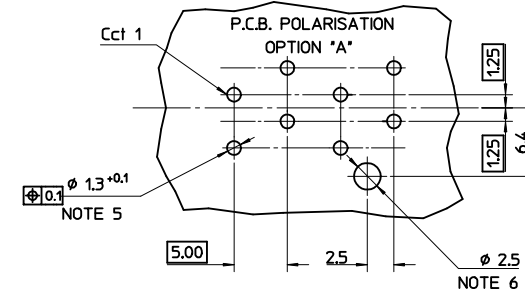
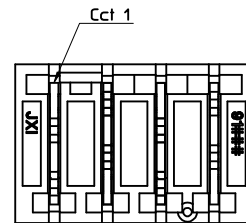
PCB LAYOUT



OPTION "B"



OPTION "A"



NOTE 7 PCB DIM CHANGE
EC NO: IFC2016-1580
DRAWN: CRAMER 2016/05/24
CHKD: CHKD
APPR: BRUTTLE 2016/08/30

QUALITY SYMBOLS
▽=0
▽=0

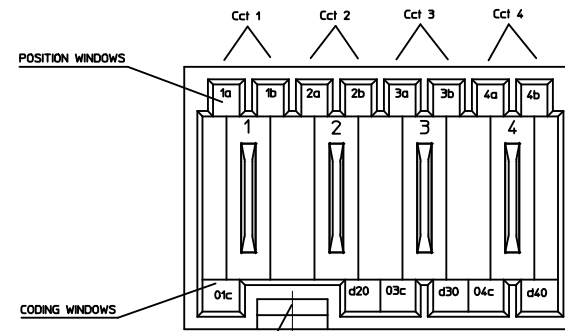
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.2 ± ---
ANGULAR ± 2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY B. RUTTLE
DATE 2006/10/04
CHECKED BY T. TOURSH
DATE 2006/10/04
APPROVED BY BMAGUIRE
DATE 2011/02/07
MATERIAL NO.
SEE SHEET 2

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
TITLE
RAST 5 VERT HDR
PA 66 HOUSING
HALOGEN FREE
molex MOLEX INCORPORATED
DOCUMENT NO. SD-93319-001
SHEET NO. 1 OF 2
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)			
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: IFC2076-1580 CHKD: DRWINZGRAMER APPR: BRUTTLE 2016/05/24 2016/08/30	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	m INCH	MM ONLY	1:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ± ---	B. RUTLE 2006/10/04	RAST 5 VERT HDR PA 66 HOUSING HALOGEN FREE		
	2 PLACES ± 0.1 ± ---	CHECKED BY DATE	MOLEX INCORPORATED			
	1 PLACE ± 0.2 ± ---	T. TOURSH 2006/10/04	DOCUMENT NO. SD-93319-001			
	ANGULAR ± 2 °	APPROVED BY DATE	SHEET NO. 2 OF 2			
		BMAGUIRE 2011/02/07	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	SEE CHART			
		SIZE	A 1			