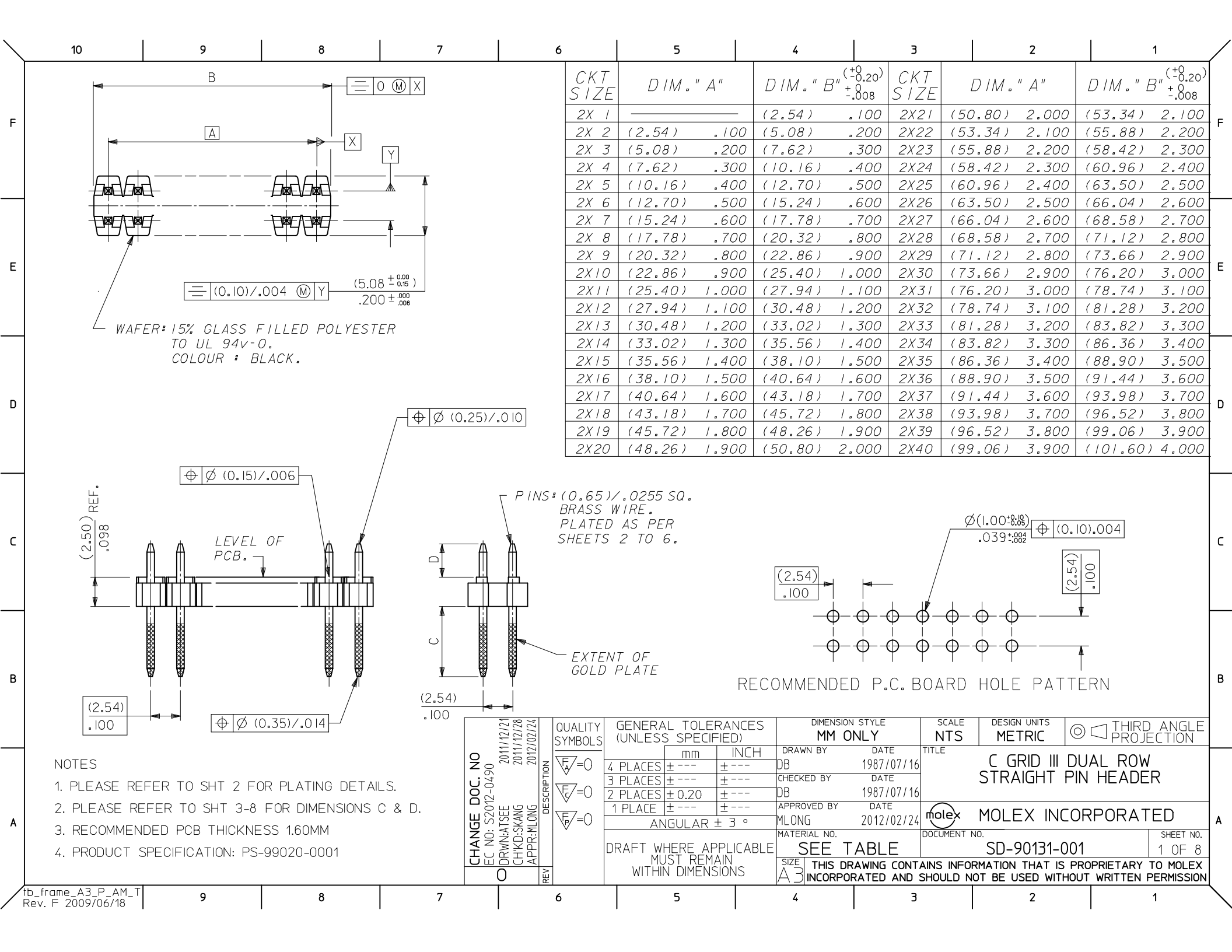




[illegible]

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

		10		9		8		7		6		5		4		3		2		1	
F		CIRCUIT SIZE	PLATING TYPE B		PLATING TYPE C		PLATING TYPE D		PLATING TYPE G		CIRCUIT SIZE	PLATING TYPE B		PLATING TYPE C		PLATING TYPE D		PLATING TYPE G		F	
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.		PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.			
E	DIM C (± 0.20) $\pm .008$ (6.75) .266	2 X 1	90131-0281	90131-0441	90131-0601	90131-1081	2 X 1	90131-0201	90131-0361	90131-0521	90131-1001	DIM C (± 0.20) $\pm .008$ (5.75) .226	2 X 1	90131-0201	90131-0361	90131-0521	90131-1001	E			
		2 X 2	▲ -0282	▲ -0442	▲ -0602	▲ -1082	2 X 2	▲ -0202	▲ -0362	▲ -0522	▲ -1002										
		2 X 3	-0283	-0443	-0603	-1083	2 X 3	-0203	-0363	-0523	-1003										
		2 X 4	-0284	-0444	-0604	-1084	2 X 4	-0204	-0364	-0524	-1004										
		2 X 5	-0285	-0445	-0605	-1085	2 X 5	-0205	-0365	-0525	-1005										
		2 X 6	-0286	-0446	-0606	-1086	2 X 6	-0206	-0366	-0526	-1006										
		2 X 7	-0287	-0447	-0607	-1087	2 X 7	-0207	-0367	-0527	-1007										
		2 X 8	-0288	-0448	-0608	-1088	2 X 8	-0208	-0368	-0528	-1008										
		2 X 9	-0289	-0449	-0609	-1089	2 X 9	-0209	-0369	-0529	-1009										
		2 X 10	-0290	-0450	-0610	-1090	2 X 10	-0210	-0370	-0530	-1010										
D	DIM D (± 0.20) $\pm .008$ (2.90) .114	2 X 11	-0291	-0451	-0611	-1091	2 X 11	-0211	-0371	-0531	-1011	DIM D (± 0.20) $\pm .008$ (2.90) .114	2 X 11	-0211	-0371	-0531	-1011	D			
		2 X 12	-0292	-0452	-0612	-1092	2 X 12	-0212	-0372	-0532	-1012										
		2 X 13	-0293	-0453	-0613	-1093	2 X 13	-0213	-0373	-0533	-1013										
		2 X 14	-0294	-0454	-0614	-1094	2 X 14	-0214	-0374	-0534	-1014										
		2 X 15	-0295	-0455	-0615	-1095	2 X 15	-0215	-0375	-0535	-1015										
		2 X 16	-0296	-0456	-0616	-1096	2 X 16	-0216	-0376	-0536	-1016										
		2 X 17	-0297	-0457	-0617	-1097	2 X 17	-0217	-0377	-0537	-1017										
		2 X 18	-0298	-0458	-0618	-1098	2 X 18	-0218	-0378	-0538	-1018										
		2 X 19	-0299	-0459	-0619	-1099	2 X 19	-0219	-0379	-0539	-1019										
		2 X 20	-0300	-0460	-0620	-1100	2 X 20	-0220	-0380	-0540	-1020										
C		2 X 21	-0301	-0461	-0621	-1101	2 X 21	-0221	-0381	-0541	-1021		2 X 21	-0221	-0381	-0541	-1021	C			
		2 X 22	-0302	-0462	-0622	-1102	2 X 22	-0222	-0382	-0542	-1022										
		2 X 23	-0303	-0463	-0623	-1103	2 X 23	-0223	-0383	-0543	-1023										
		2 X 24	-0304	-0464	-0624	-1104	2 X 24	-0224	-0384	-0544	-1024										
		2 X 25	-0305	-0465	-0625	-1105	2 X 25	-0225	-0385	-0545	-1025										
		2 X 26	-0306	-0466	-0626	-1106	2 X 26	-0226	-0386	-0546	-1026										
		2 X 27	-0307	-0467	-0627	-1107	2 X 27	-0227	-0387	-0547	-1027										
		2 X 28	-0308	-0468	-0628	-1108	2 X 28	-0228	-0388	-0548	-1028										
		2 X 29	-0309	-0469	-0629	-1109	2 X 29	-0229	-0389	-0549	-1029										
		2 X 30	-0310	-0470	-0630	-1110	2 X 30	-0230	-0390	-0550	-1030										
B		2 X 31	-0311	-0471	-0631	-1111	2 X 31	-0231	-0391	-0551	-1031		2 X 31	-0231	-0391	-0551	-1031	B			
		2 X 32	-0312	-0472	-0632	-1112	2 X 32	-0232	-0392	-0552	-1032										
		2 X 33	-0313	-0473	-0633	-1113	2 X 33	-0233	-0393	-0553	-1033										
		2 X 34	-0314	-0474	-0634	-1114	2 X 34	-0234	-0394	-0554	-1034										
		2 X 35	-0315	-0475	-0635	-1115	2 X 35	-0235	-0395	-0555	-1035										
		2 X 36	-0316	-0476	-0636	-1116	2 X 36	-0236	-0396	-0556	-1036										
		2 X 37	-0317	-0477	-0637	-1117	2 X 37	-0237	-0397	-0557	-1037										
		2 X 38	-0318	-0478	-0638	-1118	2 X 38	-0238	-0398	-0558	-1038										
		2 X 39	▼ -0319	▼ -0479	▼ -0639	▼ -1119	2 X 39	▼ -0239	▼ -0399	▼ -0559	▼ -1039										
		2 X 40	90131-0320	90131-0480	90131-0640	90131-1120	2 X 40	90131-0240	90131-0400	90131-0560	90131-1040										

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

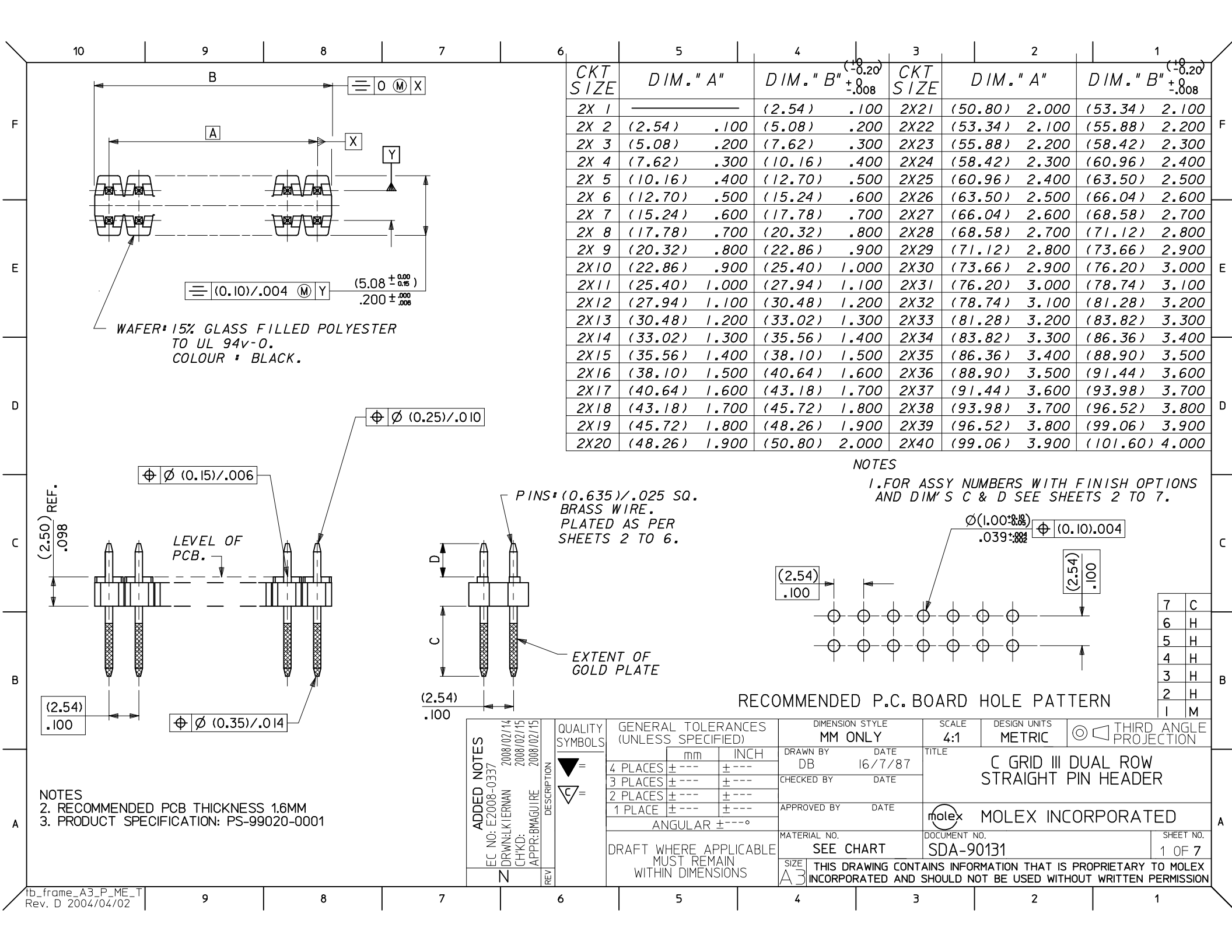
CHANGE DOC. NO EC NO: S2012-0490 DRAWN/AT/SEE CHK'D/SKANG APPR./MLONG 0	2011/12/21 2011/12/28 2012/02/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY	DATE	TITLE C GRID III DUAL ROW STRAIGHT PIN HEADER		
				4 PLACES	± ---	± ---	DB	1987/07/16			
				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
				2 PLACES	± 0.20	± ---	DB	1987/07/16			
				1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-90131-001		
				ANGULAR ± 3 °		MLONG	2012/02/24	SHEET NO. 6 OF 8			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.					SEE TABLE
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				REV							

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

CIRCUIT SIZE	PLATING TYPE A PART NO.	PIN PART NUMBER	WAFER PART NUMBER	DIM C ^(±0.20) ±.008	DIM D ^(±0.20) ±.008 -.012
2 X 6	90131-3126	90129-2008	90131-0040	(14.60) .575	(2.38) .094
2 X 36	90131-3128	90129-2008	90131-0040	(14.60) .575	(2.38) .094
2 X 40	90131-3127	90129-2008	90131-0040	(14.60) .575	(2.38) .094

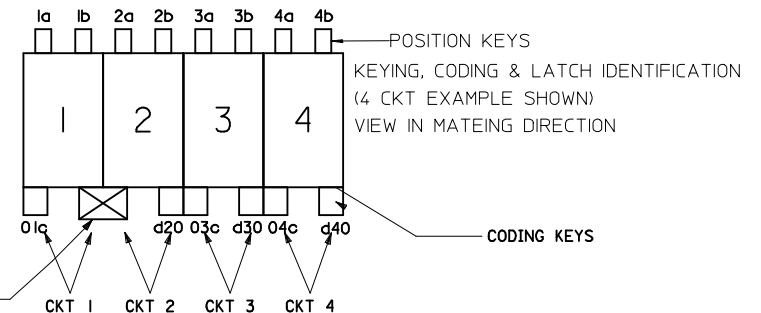
STANDARD PRODUCTS

CHANGE DOC. NO EC NO: S2012-0490 DRWN:ATSEE 2011/12/21 CHKD:SKANG 2011/12/28 APPR:MLONG 2012/02/24 O	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY DB	DATE 1987/07/16	C GRID III DUAL ROW STRAIGHT PIN HEADER				
			4 PLACES	± ---	± ---	CHECKED BY DB					DATE 1987/07/16
			3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2012/02/24	MOLEX INCORPORATED			
			2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE					
			1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			ANGULAR ± 3 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								



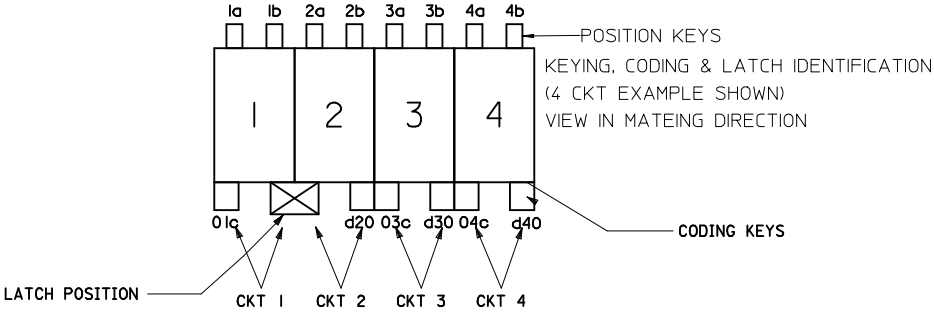
13		12		11		10		9		
MOLEX PART NO.	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	COLOUR STRIP	REF.	
91779-0001	91779-9001	2	NATURAL	1a, 1b 2a, 2b	01c, d20	1/2		NONE	K00	
91779-0002	91779-9001	2	NATURAL	1b, 2a	01c, d20	1/2		NONE	K01	
91779-0003	91779-9001	2	NATURAL	1a, 2b	d20	1/2		NONE	K05	
91779-0004	91779-9001	2	NATURAL	1a	01c, d20	1/2		NONE	K12	
91779-0005	91779-9001	2	NATURAL	1a, 2b	01c, d20	1/2		BLUE	K48	
91779-0006	91779-9004	2	RED	1a, 1b 2a, 2b	NONE	1/2		NONE	K41	
91779-0007	91779-9001	2	NATURAL	2a	01c	1/2		NONE	K42	
91779-0008	91779-9004	2	RED	1a, 1b 2a, 2b	d20	1/2		NONE	K34	
91779-0009	PART NUMBER OBSOLETE, REPLACED WITH 91779-0006.									
91779-0010	91779-9003	2	BLACK	1a, 1b 2a, 2b	NONE	1/2		NONE	K41	
91779-0011	91779-9001	2	NATURAL	1a	d20	1/2		NONE	K66	
91779-0012	91779-9001	2	NATURAL	1b	01c, d20	1/2		NONE	K16	
91779-0013	91779-9001	2	NATURAL	1a	NONE	1/2		NONE	K70	
91779-0014	91779-9001	2	NATURAL	1b 2a 2b	d20	1/2		NONE	K--	
91779-0015	91779-9001	2	NATURAL	1a, 1b 2a, 2b	d20	1/2		NONE	K34	
91779-0016	91779-9001	2	NATURAL	1a, 1b 2a, 2b	01c	1/2		NONE	K33	
91779-0017	91779-9004	2	RED	1a 1b 2b	NONE	1/2		NONE	K43	
91779-0018	91779-9001	2	NATURAL	1b 2b	01c	1/2		NONE	K09	
91779-0019	91779-9001	2	NATURAL	1b 2b	01c	1/2		GREEN	K--	
91779-0020	91779-9001	2	NATURAL	1a 2b	d20	1/2		GREEN	K--	
91779-0021	91779-9001	2	NATURAL	2a	01c, d20	1/2		BLACK	K--	
91779-0022	91779-9001	2	NATURAL	1b	d20	1/2		RED	K--	
91779-0023	91779-9001	2	NATURAL	1b 2b	01c	1/2		BLUE	K--	

MOLEX PART NO.	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	colour stripe	REF.
91779-0024	91779-9001	2	NATURAL	1b 2b	01c	1/2		ORANGE	K--
91779-0025	91779-9001	2	NATURAL	1a 1b	d20	1/2		NONE	K--
91779-0026	91779-9001	2	NATURAL	1a 2b	01c	1/2		NONE	K--
91779-0027	91779-9003	2	BLACK	1a 2b	NONE	1/2		NONE	K06
91779-0028	91779-9004	2	RED	2a 2b	NONE	1/2		NONE	K31
91779-0029	91779-9001	2	NATURAL	NONE	01c, d20	1/2		NONE	K--
91779-0030	91779-9001	2	NATURAL	1a 2a 2b	01c, d20	1/2		NONE	K62
91779-0031	91779-9001	2	NATURAL	1a 2a	01c, d20	1/2		NONE	K--
91779-0032	91779-9001	2	NATURAL	1b 2b	01c, d20	1/2		NONE	K--
91779-0033	91779-9001	2	NATURAL	1a, 1b 2a, 2b	01c, d20	1/2		RED	K09
91779-0034	91779-9001	2	NATURAL	1a, 1b 2a, 2b	01c, d20	1/2		GREEN	K--
91779-0035	91779-9001	2	NATURAL	2b	NONE	1/2		NONE	K--
91779-0036	91779-9001	2	NATURAL	1a, 1b 2a, 2b	NONE	1/2		NONE	K41
91779-0038	91779-9001	2	NATURAL	1b	NONE	1/2		NONE	K--



SEE SHEET 1 EC NO: IPG2014-4233 DRAWN: MONAHAN 2014/01/06 CHKD: CHIKO APPR: STIGLITZ 2014/01/20 AC	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	mm	INCH	DRAWN BY GMC/SWEEN	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS
	▽=0	3 PLACES ± --- ± ---			CHECKED BY BMAGUIE	DATE 2005/01/07	
		2 PLACES ± 0.05 ± ---			APPROVED BY BMAGUIE	DATE 2010/10/20	
		1 PLACE ± 0.1 ± ---			MATERIAL NO.	DOCUMENT NO.	SHEET NO. 2 OF 5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES		MATERIAL NO. SD-91779-001			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

CIRCUIT 2 CONTIN'D									
MOLEX PART NO.	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	COLOUR STRIPE	REF.
91779-0039	91779-9001	2	NATURAL	1a 2b	NONE	1/2		NONE	K06



SEE SHEET 1 EC NO: IPG2014-4233 DRAWN: MONAHAN CHKD: APPR: STRIFFLIN AC	DESCRIPTION REV	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	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS molex				
			4 PLACES	± ---	± ---	GMC SWEEN	2004/10/14					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.05	± ---	BMAGUIE	2005/01/07					
			1 PLACE	± 0.1	± ---	APPROVED BY	DATE					
			0 PLACE	±	±	BMAGUIE	2010/10/20	MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			ANGULAR ± ---°			SEE TABLES			SD-91779-001		3 OF 5	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	13	12	11	10	9	8	7	6	5	4	3	2	1									
J	MOLEX PART NO.	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	COLOUR STRIP	REF.	MOLEX PART NO.	HOUSING NO.	CIRCUIT SIZE	COLOUR	VOID CIRCUIT	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	COLOUR STRIP	REF.	J
	91779-0101	91779-9101	3	NATURAL	1a 1b 2a 2b 3a 3b	01c d20 03c d30	1/2		NONE	K00	91779-0120	91779-9102	3	NATURAL	NONE	2b 3b	d30	2/3		NONE	K--	
	91779-0102	91779-9102	3	NATURAL	1a 1b 2a 2b 3a 3b	01c d10 02c d30	2/3		NONE	K90	91779-0121	91779-9101	3	NATURAL	NONE	NONE	01c d30	1/2		NONE	K--	
I	91779-0103	91779-9101	3	NATURAL	1b	01c d20	1/2		NONE	K01	91779-0122	91779-9103	3	RED	NONE	1b 2a 2b 3b	NONE	2/3		NONE	k124	I
	91779-0104	91779-9102	3	NATURAL	2a	d10 d30	2/3		NONE	K44	91779-0123	91779-9103	3	RED	2	2b 3b	d10	2/3		NONE	k84	
H	91779-0105	91779-9102	3	NATURAL	3b	02c d30	2/3		NONE	K--	91779-0124	91779-9102	3	NATURAL	NONE	NONE	d10 02c d30	2/3		NONE	K--	H
	91779-0106	91779-9101	3	NATURAL	NONE	NONE	1/2		NONE	k59	91779-0126	91779-9101	3	NATURAL	NONE	3b	01c d30	1/2		NONE	K--	
G	91779-0107	91779-9101	3	NATURAL	1b	01c d20	1/2		RED	k01	91779-0127	91779-9102	3	NATURAL	NONE	1a 2a 3b	d10 d30	2/3		NONE	k170	G
	91779-0108	91779-9101	3	NATURAL	1a	01c d20	1/2		NONE	K154	91779-0128	91779-9102	3	NATURAL	NONE	1a 2b	NONE	2/3		NONE	K--	
F	91779-0109	91779-9103	3	RED	1a 1b 2a 2b 3a 3b	NONE	2/3		NONE	K39	91779-0129	91779-9102	3	NATURAL	NONE	1a 1b 2a 2b 3a 3b	01c d30	2/3		NONE	K--	F
	91779-0110	91779-9103	3	RED	2b 3b	d10	2/3		NONE	K84	91779-0130	91779-9101	3	NATURAL	NONE	1a 3b	01c	1/2		NONE	K--	
E	91779-0111	91779-9102	3	NATURAL	2b 3a	d10, d30	2/3		NONE	K--												E
	91779-0112	PART NUMBER OBSOLETE, REPLACED WITH 91779-0109.																				
D	91779-0113	91779-9103	3	RED	1a 1b 2a 2b 3a 3b	d10	2/3		NONE	K41												D
	91779-0114	91779-9102	3	NATURAL	1a 1b 2a 2b 3a 3b	d10	2/3		NONE	K41												
C	91779-0115	91779-9101	3	NATURAL	NONE	03C	1/2		NONE	K72												C
	91779-0116	91779-9101	3	NATURAL	1a 1b	d30	1/2		NONE	K05												
B	91779-0117	91779-9102	3	NATURAL	2a	d10 02c d30	2/3		NONE	K--												B
	91779-0118	91779-9102	3	NATURAL	2a	d10	2/3		NONE	K--												
A	91779-0119	91779-9101	3	NATURAL	2a	01c d30	1/2		NONE	K--												A

SEE SHEET 1
EC NO: IPG2014-1233
DRAWN: MONAHAN
CHKD:
APPR: ST. GRIFFIN
2014/01/06
REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.05 ± ---
1 PLACE ± 0.1 ± ---
ANGULAR ± ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

SCALE
2:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

DRAWN BY
GMC SWEEN
2004/10/14

CHECKED BY
DATE
BMAGUIE
2005/01/07

APPROVED BY
DATE
BMAGUIE
2010/10/20

MATERIAL NO.

DOCUMENT NO.

SHEET NO.
4 OF 5

RAST 5 INDIRECT
FEMALE ASSEMBLY
16 AMPS

MOLEX INCORPORATED

SD-91779-001

SIZE
A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

POSITION KEYS
1a 1b 2a 2b 3a 3b 4a 4b

1 2 3 4

LATCH POSITION
01c

CODING KEYS
d20 03c d30 04c d40

CKT 1 CKT 2 CKT 3 CKT 4

KEYING, CODING & LATCH IDENTIFICATION
(4 CKT EXAMPLE SHOWN)
VIEW IN MATING DIRECTION

1b_frame_A2_P_AM_T
Rev. E 2006/04/15

12

11

10

9

8

7

6

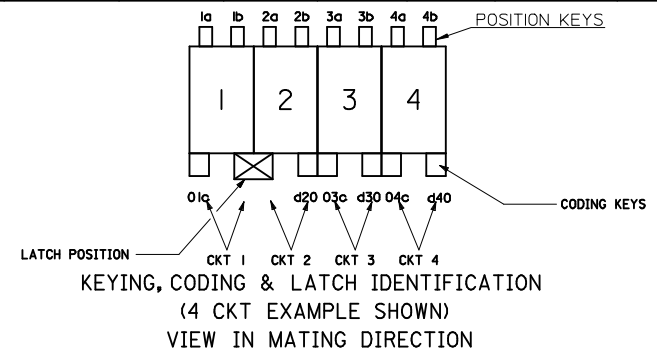
5

4

3

2

1



SEE SHEET 1 EC NO: IPG2014-1233 DRAWN: MONAHAN CHKO: APPR: STURTEFFIN	DESCRIPTION 2014/01/06 2010/10/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
			mm	INCH	DRAWN BY GMC SWEEN	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS							
			3 PLACES ± ---	± ---	CHECKED BY BMA GUIRE	DATE 2005/01/07								
			2 PLACES ± 0.05	± ---	APPROVED BY BMA GUIRE		DATE 2010/10/20		MOLEX MOLEX INCORPORATED					
			1 PLACE ± 0.1	± ---										
			ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES		SD-91779-001		4 OF 5					
			SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
			AC	REV										

