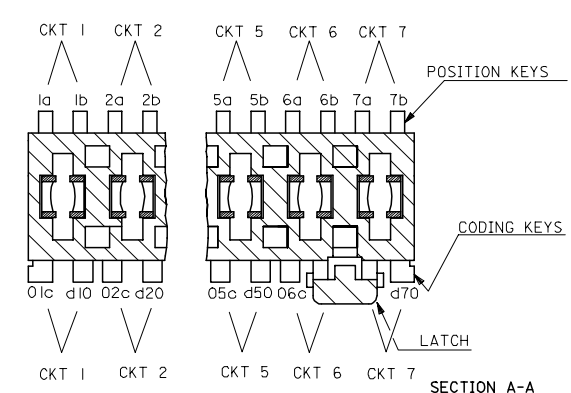


CKT SIZE	A	B
2	( 5.00)/.197	(9.90)/.400
3	(10.00)/.394	(14.90)/.587
4	(15.00)/.591	(19.90)/.783
5	(20.00)/.787	(24.90)/.980
6	(25.00)/.984	(29.90)/1.177
7	(30.00)/1.181	(34.90)/1.374
8	(35.00)/1.378	(39.90)/1.571
9	(40.00)/1.575	(44.90)/1.768
10	(45.00)/1.772	(49.90)/1.965
11	(50.00)/1.969	(54.90)/2.161
12	(55.00)/2.165	(59.90)/2.358

CKT	NO OF CONNECTORS PER TRAY#99025-0021	NO OF CONNECTORS PER BOX
2	1200	3600
3	750	2250
4	600	1800
5	450	1350
6	300	900
7	300	900
8	300	900
9	150	450
10	150	450
11	150	450
12	150	450

- NOTES:
- MATERIALS:  
HOUSING: UNFILLED NYLON 6/6, RATED UL 94V-2  
FOR COLOURS, SEE CHARTS ON SHEETS 2-6.  
TERMINAL: PHOSPHOR BRONZE, (0.40)/.016 THICK REF  
PLATING: (5 um)/200 uln MIN PURE Sn
  - PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037
  - ACCEPTS CABLE, PER ES-99036-0008 OR ES-99036-0009  
AS PER THE APPLICATION SPECIFICATION AS-99033-0004
  - SEE SUBSEQUENT SHEETS FOR PART NUMBERS SHOWING  
THE VARIOUS CODING, KEYING AND LATCH OPTIONS.



<b>ADDED NEW PARTS</b> EC NO: E2005-0943 DRW: NBYRNES 2005/05/04 CHKD: 2005/05/06 APPR: BMAGUIRE 2005/05/11 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>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.025</td> <td>± .0010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.05</td> <td>± .0020</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.10</td> <td>± .0040</td> </tr> <tr> <td colspan="3">ANGULAR ± .5 °</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0004	3 PLACES	± 0.025	± .0010	2 PLACES	± 0.05	± .0020	1 PLACE	± 0.10	± .0040	ANGULAR ± .5 °			DIMENSION STYLE <b>MM ONLY</b> DRAWN BY DATE PC 94/02/14 CHECKED BY DATE BMAGUIRE 94/02/14 APPROVED BY DATE MWILHITE 94/02/14	SCALE <b>2:1</b> DESIGN UNITS <b>METRIC</b> THIRD ANGLE PROJECTION	TITLE <b>SMM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY</b>
			mm	INCH																			
4 PLACES	± .005	± .0004																					
3 PLACES	± 0.025	± .0010																					
2 PLACES	± 0.05	± .0020																					
1 PLACE	± 0.10	± .0040																					
ANGULAR ± .5 °																							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. <b>SDA-90833E</b>	SHEET NO. <b>1 OF 6</b>																				

**KEYING, CODING, & LATCH IDENTIFICATION**  
(7 CKT EXAMPLE SHOWN)

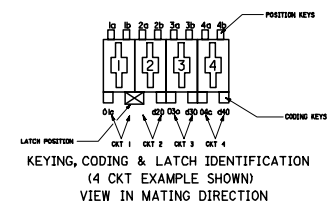
SEE CHART  
SDA-90833E



13 12 11 10 9 8 7 6 5 4 3 2 1

MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-0500	3	NATURAL	ALL	ALL	1/2		K00
90833-0501	3	NATURAL	ALL	ALL	2/3		K90
90833-0502	3	NATURAL	1b	01c d20	1/2		K01
90833-0503	3	YELLOW	ALL	d20	1/2		K40
90833-0504	3	GREY	ALL	d10	2/3		K41
90833-0505	3	GREY	1a 2a	d10	2/3		K42
90833-0532	3	BLACK YELLOW	1a 3a	d20	1/2		K43
90833-0506	3	YELLOW	2a	d10 d30	2/3		K44
90833-0508	3	NATURAL	1a	03c	1/2		K04
90833-0509	3	GREY	1a 1b	d10	2/3		K52
90833-0510	3	YELLOW	1a 1b	d20	1/2		K53
90833-0511	3	NATURAL	1a 1b	d30	1/2		K05
90833-0524	3	NATURAL	1b 2a 2b	d30	1/2		K53
90833-0526	3	NATURAL	ALL	d10 d30	2/3		K58
90833-0528	3	NATURAL	1a 3a	01c	1/2		K07
90833-0529	3	NATURAL	1b 3a	01c	1/2		K03
90833-0533	3	GREY					K03
90833-0530	3	NATURAL	2a	02c d30	2/3		K57
90833-0531	3	NATURAL	2b	d20	1/2		K08
90833-0515	3	NATURAL	1b	d20 03c	1/2		K09
90833-0535	3	NATURAL	1a 2a	d30	2/3		K44
90833-0536	3	NATURAL	2a	d10 d30	2/3		K44
90833-0537	3	BLUE	1a	03c	1/2		K**
90833-0534	3	NATURAL	1a 1b 2a 3a	01c 02c d30	2/3		K12
90833-0540	3	NATURAL	3b	01c d30	1/2		K37
90833-0541	3	NATURAL	2b 3b	d10 02c	2/3		K02
90833-0542	3	NATURAL	1a 3a	01c	1/2		K-

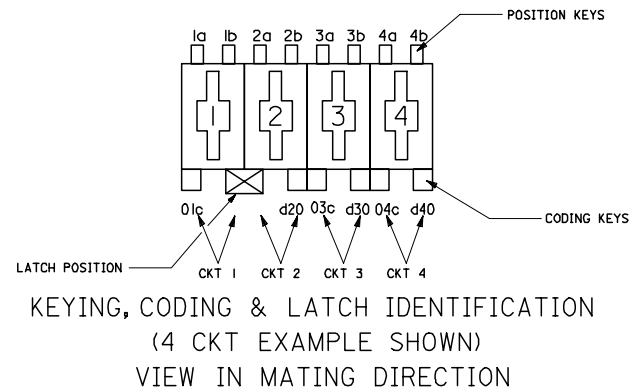
MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-1251	4	NATURAL	ALL	ALL	1/2 3/4		K00
90833-1252	4	BLUE	ALL	ALL	1/2 3/4		K01
90833-1253	4	YELLOW	ALL	ALL	1/2 3/4		K01
90833-1254	4	NATURAL	1b	03c d40	1/2 3/4		K33
90833-1255	4	YELLOW	3a	d20 03c	1/2 3/4		K34
90833-1256	4	BLUE	ALL	01c	1/2 3/4		K35
90833-1257	4	NATURAL	ALL	d20 03c	1/2 3/4		K36
90833-1258	4	BLUE	ALL	d40	1/2 3/4		K38
90833-1259	4	NATURAL	1b	d20 03c	1/2 3/4		K39
90833-1260	4	BLUE	1b 2a	d40	1/2 3/4		K49
90833-1261	4	BLUE	1b 3b	d40	1/2 3/4		K54
90833-1262	4	BLUE	1b 3b	01c	1/2 3/4		K03
90833-1264	4	NATURAL	1a 4b	d40	1/2 3/4		K06
90833-1271	4	ORANGE	1a 3a	d40	1/2 3/4		K01
90833-1272	4	GREY	1b	03c d40	1/2 3/4		K32
90833-1273	4	NATURAL	1a 3a 3b	01c d20 d40	1/2 3/4		K62
90833-1277	4	YELLOW	1a 2b 4b	d40	1/2 3/4		K37
90833-1267	4	NATURAL	1b 2a 3a 4b	01c d40	1/2 3/4		K02
90833-1279	4	NATURAL	1a 4b	01c	1/2 3/4		K43
90833-1282	4	NATURAL	1a 2a 4a	01c 03c d40	1/2 3/4		K04
90833-1276	4	NATURAL	3b	d30	2/3		K93
90833-1283	4	NATURAL	1a 1b 3a 3b	01c 03c	1/2 3/4		K93



<b>NEW OPTIONS ADDED</b> EC NO: E2005-0943 DRAWN BY: RYANES 2005/05/04 CHKD: 2005/05/06 APPR: BMAGUIRE 2005/05/11 REV DESCRIPTION	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <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>± ---</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr> <tr><td>ANGULAR</td><td>± ---°</td><td></td></tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR	± ---°		<b>DIMENSION STYLE</b> MM ONLY DRAWN BY: PC DATE: 94/02/14 CHECKED BY: BMAGUIRE DATE: 94/02/12 APPROVED BY: MWILHITE DATE: 94/02/12	<b>SCALE</b> --- <b>DESIGN UNITS</b> METRIC <b>THIRD ANGLE PROJECTION</b>	<b>TITLE</b> RAST 5 INDIRECT FEMALE ASSEMBLY 6 AMPS MOLEX INCORPORATED MATERIAL NO. SDA-90833E DOCUMENT NO.	<b>SHEET NO.</b> 3 OF 6
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± ---	± ---																					
2 PLACES	± ---	± ---																						
1 PLACE	± ---	± ---																						
ANGULAR	± ---°																							
<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>		<b>SEE CHART</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
		<b>SIZE</b> A2																						
					SHEET NO. 3 OF 6																			

12 11 10 9 8 7 6 5 4 3 2 1

MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIRGURATION	REF
90833-2001	5	NATURAL	1a 3a	01c d30	1/2 4/5		K30
90833-2002	5	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		K31
90833-2006	5	NATURAL	2a	01c d50	2/3 4/5		K43
90833-2007	5	NATURAL	ALL	01c d50	2/3 4/5		K42
90833-2008	5	NATURAL	ALL	ALL	2/3 4/5		K92
90833-2010	5	NATURAL	ALL	ALL	1/2 3/4		K00
90833-2011	5	NATURAL	ALL	ALL	1/2 4/5		K90
90833-2012	5	NATURAL	2a 4b	01c d20 d40	1/2 3/4		K44
90833-2019	5	NATURAL	1a 3a	01c d30 d50	1/2 4/5		K49
90833-2023	5	BLUE	NONE	d20 d40	1/2 3/4		K75
90833-2024	5	NATURAL	2a	01c d50	2/3 4/5		K43
90833-2025	5	NATURAL	NONE	01c d40	1/2 3/4		K**
90833-2026	5	GREEN	2b	d20 d50	1/2 3/4		K**
90833-2027	5	NATURAL	1a 5b	01c d20 03c d50	1/2 3/4		K31
90833-2028	5	NATURAL	1a 4a	d30	1/2 4/5		K04



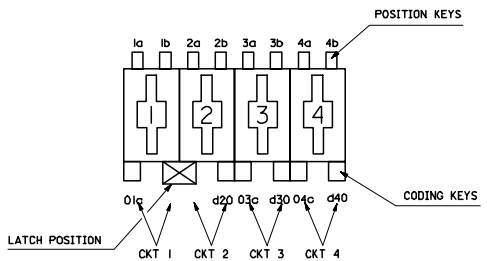
SEE CHART  
SDA-90833E

<b>ADDED NEW OPTIONS</b> EC NO: E2005-0943 DRAWN BY: DRW:NEBYRNES 2005/05/04 CHKD: CHKD: 2005/05/06 APPR: BMAGUIRE 2005/05/11 REV DESCRIPTION	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>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± --- °</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± --- °			DIMENSION STYLE <b>MM ONLY</b>	SCALE --- METRIC	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± ---	± ---																					
2 PLACES	± ---	± ---																						
1 PLACE	± ---	± ---																						
ANGULAR ± --- °																								
DRAWN BY: PC DATE: 94/02/12 CHECKED BY: BMAGUIRE DATE: 94/02/12 APPROVED BY: MWILHITE DATE: 94/02/12	MATERIAL NO. SEE CHART	TITLE <b>5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY 6 AMPS</b>	DOCUMENT NO. <b>SDA-90833E</b>	SHEET NO. 4 OF 6																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE <b>A2</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						
MOLEX INCORPORATED																								

MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-2750	6	NATURAL	ALL	ALL	2/3 4/5		K90
90833-2751	6	GREY	ALL	02c d50	2/3 4/5		K38
90833-2752	6	GREY	1b	02c d50	2/3 4/5		K40
90833-2765	6	NATURAL	1b	03c d60	1/2 5/6		K91
90833-2764	6	NATURAL	ALL	ALL	1/2 5/6		K53
90833-2773	6	NATURAL	5b	01c d40	1/2 5/6		K61
90833-2776	6	NATURAL	1b 6a	d30	1/2 5/6		
90833-2777	6	NATURAL	2b 6b	d40	1/2 5/6		K04
90833-2778	6	BLUE	1b	d10 d50	2/3 4/5		K88
90833-2779	6	NATURAL	5b	c02 c06	3/4		K**
90833-2780	6	NATURAL	1b 2a	d20 03c d60	1/2 4/5		K**

MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-4250	8	NATURAL	ALL	ALL	3/4 5/6		K00
90833-4251	8	NATURAL	1b 3a 3b 5a 5b 7a 8a	01a d20 03a 05a 07a	3/4 5/6		K36
90833-4256	8	NATURAL	ALL	ALL	1/2 7/8		K80
90833-4255	8	NATURAL	ALL	03c d60	1/2 7/8		K39
90833-4261	8	BLUE	ALL	03c d60	1/2 7/8		
90833-4254	8	NATURAL	2b 8a	03a d60	1/2 7/8		
90833-4264	8	NATURAL	8b	02a d30 07a	2/3 7/8		

MOLEX PART NO	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-3500	7	YELLOW	2b	d20 d60	1/2 5/6		K32
90833-3501	7	YELLOW	ALL	d20 d60	1/2 5/6		K33
90833-3502	7	YELLOW	ALL	d20 07c	1/2 5/6		K36
90833-3503	7	YELLOW	2b	d20 07c	1/2 5/6		K37
90833-3515	7	NATURAL	ALL	ALL	1/2 5/6		K00
90833-3514	7	NATURAL	NONE	d20	1/2 5/6		K44
90833-3518	7	NATURAL	ALL	ALL	2/3 6/7		K90
90833-3520	7	NATURAL	ALL	02c d50	2/3 6/7		K49
90833-3521	7	NATURAL	2b	d20 07c	1/2 5/6		K37
90833-3522	7	NATURAL	NONE	d20 03a 07c	5/6		K**
90833-3523	7	NATURAL	1a 6b	03c 07c	4/5		K**
90833-3524	7	NATURAL	1a 1b 2a 3a 4a 5a 6a 7a	d20 07c	1/2 5/6		K**



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

<b>NEW PARTS ADDED</b> EC NO. E2003-094-3 DRAWN BY: 2005/05/04 CHKD: 2005/05/06 APPR: BMAGUIRE 2005/05/11	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DIMENSION STYLE MM ONLY DRAWN BY: DATE PC 94/02/12 CHECKED BY: DATE BMAGUIRE 94/02/12 APPROVED BY: DATE MWILHITE 94/02/12	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MATERIAL NO. SEE CHART DOCUMENT NO. SDA-90833E	SHEET NO. 5 OF 6
	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					
	MOLEX MOLEX INCORPORATED					