

Excellent Integrated System Limited

Stocking Distributor

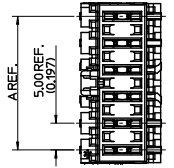
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0908330010](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

EM-90833-600



PARTIAL 1

NOTES:

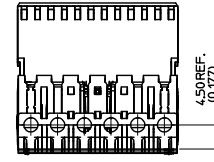
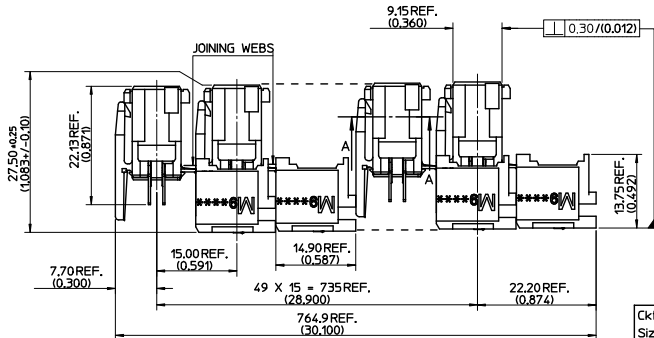
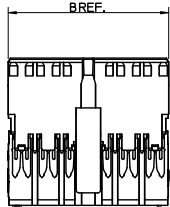
1. MATERIALS

HOUSING: UNFILLED NYLON 6/6, RATED UL 94V-2
FOR COLOURS, SEE CHARTS ON SHEETS 2-6.
TERMINALS: PHOSPHOR BRONZE, 0.40/(0.016) THICK REF.
PLATING: 5um/(200uin) MIN PURE Sn

2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037

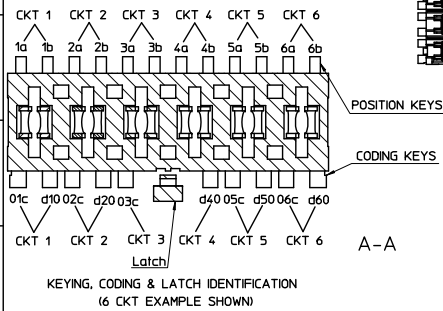
**3. ACCEPTS CABLE, PER ES-99036-0008 OR ES-99036-0009
AS PER THE APPLICATION SPECIFICATION AS-99033-0004**

**4. SEE SUBSEQUENT SHEETS FOR PART NUMBERS SHOWING
THE VARIOUS CODING, KEYING AND LATCHING OPTIONS**



Ckt Size	A	B
2	5.00/(0.197)	9.90/(0.400)
3	10.00/(0.394)	14.90/(0.587)
4	15.00/(0.591)	19.90/(0.783)
5	20.00/(0.787)	24.90/(0.980)
6	25.00/(0.984)	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



POSITION KEYS

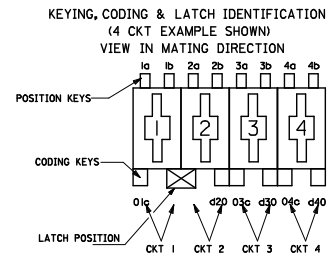
CODING KEYS

A-A

ADDED PART NO. EC NO: IFC2014-0066 DRAWN: O'BRIEN01 CHKD: AF APPROV: STURTEIN REV	2013/08/26	DESCRIPTION	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 PC	DATE 94/02/14	TITLE 5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY	MOLEX MOLEX INCORPORATED			
				4 PLACES ±---	±---	CHECKED BY BMAGUIRE	DATE 94/02/14					
				3 PLACES ±0.025	±---	APPROVED BY MWILHITE	DATE 94/02/14					
				2 PLACES ±0.05	±---	MATERIAL NO. SEE CHARTS					DOCUMENT NO. SD-90833-001	SHEET NO. 1 OF 8
				1 PLACE ±0.1	±---							
				ANGULAR ±1/2°								
				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								

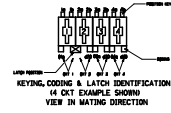
tb_frame_A2_P_AM.T
Rev. E 2006/04/15

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-0001	90833-9001	2	NATURAL	ALL	ALL	I/2		K00
90833-0002	90833-9002	2	BLUE	ALL	ALL	I/2		K01
90833-0003	90833-9001	2	NATURAL	1b 2a	ALL	I/2		K02
90833-0004	90833-9001	2	NATURAL	1a 2b	01c	I/2		K03
90833-0005	90833-9002	2	BLUE	2a	ALL	I/2		K04
90833-0006	90833-9001	2	GREY	1a 2b	d20	I/2		K05
90833-0007	90833-9001	2	NATURAL	1b 2b	01c	I/2		K09
90833-0008	90833-9004	2	YELLOW	1a 2b	ALL	I/2		K10
90833-0009	90833-9001	2	NATURAL	1a 2a	01c	I/2		K15
90833-0010	90833-9004	2	YELLOW	2b	ALL	I/2		K17
90833-0054	90833-9001	2	NATURAL	1a 1b	ALL	I/2		K47
90833-0058	90833-9001	2	NATURAL	1a 2b	ALL	I/2		K48
90833-0060	90833-9002	2	BLUE	1a 2b	ALL	I/2		K11
90833-0027	90833-9004	2	YELLOW	2b	NONE	I/2		K04
90833-0062	90833-9001	2	NATURAL	1a 1b	01c	I/2		k37
90833-0066	90833-9001	2	NATURAL	2a	d20	1/2		k13
90833-0028	90833-9001	2	NATURAL	1a, 1b	d20	1/2		k32
90833-0070	90833-9001	2	NATURAL	2a, 2b	01c	1/2		
90833-0071	90833-9001	2	NATURAL					



SEE SHEET 1 IEC NO: JG2014-0066 DRAWN BY: BRENEN CHKD: AF APPROVED: JG2014-0066 DATE: 2013/08/26	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 5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY			
		4 PLACES ±--- ±---		PC 94/02/14					
		3 PLACES ±0.025 ±---		CHECKED BY DATE					
		2 PLACES ±0.05 ±---		BMAGUIRE 94/02/14					
		1 PLACE ±0.1 ±---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED			
		ANGULAR ±1/2°		MWILHITE 94/02/14					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHARTS		DOCUMENT NO. SD-90833-001		SHEET NO. 2 OF 8	
				SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-0011 90833-0057 90833-0061	90833-9002 90833-9001 90833-9004	2 2 2	BLUE NATURAL YELLOW	1a	ALL	1/2		K12
90833-0012 90833-0058	90833-9004 90833-9001	2	NATURAL YELLOW	1b 2a	01a	1/2		K14
90833-0013 90833-0014 90833-0048	90833-9001 90833-9004 90833-9005	2	NATURAL YELLOW GREEN	ALL	01a	1/2		K33
90833-0015 90833-0059 90833-0074	90833-9003 90833-9006 90833-9001	2	GREY WHITE NATURAL	ALL	d20	1/2		K34
90833-0016 90833-0069	90833-9003 90833-9001	2	GREY NATURAL	1b 2b	d20	1/2		K35
90833-0017 90833-0072	90833-9003 90833-9001	2	GREY NATURAL	2a 2b	d20	1/2		K39
90833-0020	90833-9001	2	NATURAL	1a 1b	01a	1/2		K04
90833-0021 90833-0063	90833-9001 90833-9002	2	NATURAL BLUE	1b	ALL	1/2 1/2		K16
90833-0022	90833-9001	2	NATURAL	1a 2b	NONE	1/2		K06
90833-0032	90833-9001	2	NATURAL	2b	d20	1/2		K38
90833-0047	90833-9001	2	NATURAL	1a 2a	ALL	1/2		K44
90833-0056	90833-9001	2	NATURAL	1b 2a 2b	d20	1/2		K07
90833-0064 90833-0073	90833-9006 90833-9001	2	WHITE NATURAL	1b 2a	d20	1/2		K46
90833-0075	90833-9001	2	GREY	1a 1b	d20	1/2		K13



SEE SHEET 1 EC NO. 102014-0046 DRAWN BY: 2013/07/09 CHKD: 2013/08/26 APPROVED BY: 2013/08/26 DESIGNED BY: 2013/08/26 REV: 1	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>0.1</td> <td>±0.004</td> </tr> <tr> <td>3 PLACES ±</td> <td>0.075</td> <td>±0.003</td> </tr> <tr> <td>2 PLACES ±</td> <td>0.05</td> <td>±0.002</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.1</td> <td>±0.004</td> </tr> <tr> <td colspan="3">ANGULAR ±1/2°</td> </tr> </table>		mm	INCH	4 PLACES ±	0.1	±0.004	3 PLACES ±	0.075	±0.003	2 PLACES ±	0.05	±0.002	1 PLACE ±	0.1	±0.004	ANGULAR ±1/2°			DIMENSION STYLE MM ONLY DRAWN BY: DATE: 94/02/14 CHECKED BY: DATE: 94/02/14 BMAGUIRE APPROVED BY: DATE: 94/02/14 MATERIAL NO.	SCALE: 1:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE 5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY
		mm	INCH																				
	4 PLACES ±	0.1	±0.004																				
	3 PLACES ±	0.075	±0.003																				
2 PLACES ±	0.05	±0.002																					
1 PLACE ±	0.1	±0.004																					
ANGULAR ±1/2°																							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MOLEX INCORPORATED SD-90833-001 3 OF 8																				

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

The diagram shows a 4-bit latch structure. It consists of four vertical columns, each representing a bit position. The columns are labeled at the top with position keys: 1a, 1b, 2a, 2b, 3a, 3b, 4a, and 4b. Each column contains a square box with a number inside (1, 2, 3, or 4). Below each box is a small square box. The first column has an input labeled 01c. The second column has an input labeled d20 and a crossed-out input labeled 03c. The third column has an input labeled d30. The fourth column has an input labeled 04c. The outputs are labeled at the bottom: 01c, d20, 03c, d30, 04c, and d40. The inputs are labeled as LATCH POSITION and the outputs as CODING KEYS.

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

SEE SHEET 1 REF ID: A2-14-0066 DRAWING: A2-14-0066 DATE: 2013/07/09 APPR: CJK CHKD: CJK APPR: CJK DATE: 2013/08/26	QUALITY SYSTEMS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▼=0	mm	INCH	DRAWN BY PC		TITLE	5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY		
	▽=0	4 PLACES +0.025 +----		CHECKED BY BMAIGURE		DATE 9/4/02/14			
		3 PLACES +0.05 +----		APPROVED BY DATE		DATE 9/4/02/14			
		1 PLACE +0.1 +----		APPROVED BY DATE		DATE 9/4/02/14			
		ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		
					SEE CHARTS		SD-90833-001		
					A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5 OF 8		



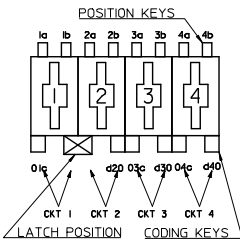
13	12	11	10	9	8	7	6	5	4	3	2	1
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MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIRGURATION	REF.
90833-2024	90833-9202	5	NATURAL	2a	01C, d50	2/3, 4/5		K43

SEE SHEET 1 EC NO: JGG2014-0066 DRAWN: (BRIEN) 2013/07/09 CHKD: AF APPROVED: (BRIEN) 2013/08/26 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	▽=0			DRAWN BY	DATE	TITLE		
	▽=0			PC	94/02/14	5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY		
		mm	INCH	CHECKED BY	DATE			
		4 PLACES ±---	±---	BMAGUIRE	94/02/14			
		3 PLACES ±0.025	±---					
		2 PLACES ±0.05	±---	APPROVED BY	DATE			
		1 PLACE ±0.1	±---	MWILHITE	94/02/14			
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		
				SEE CHARTS		SD-90833-001		SHEET NO. 6 OF 8

12	11	10	9	8	7	6	5	4	3	2	1
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13	12	11	10	9	8	7	6	5	4	3	2	1
MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.				
90833-2750	90833-9301	6	NATURAL	ALL	ALL	2/3 4/5		K90				
90833-2751	90833-9302	6	GREY	ALL	02a d50	2/3 4/5		k38				
90833-2752	90833-9302	6	GREY	1b	02c d50	2/3 4/5		k40				
90833-2765	90833-9303	6	NATURAL	1b	03a d60	1/2 5/6		k91				
90833-2764	90833-9303	6	NATURAL	ALL	ALL	1/2 5/6		k53				
90833-2773	90833-9303	6	NATURAL	5b	01c d40	1/2 5/6		k61				
90833-2776	90833-9303	6	NATURAL	1b 6a	d30	1/2 5/6						
90833-2777	90833-9303	6	NATURAL	2b 6b	d40	1/2 5/6		k04				
90833-2778	90833-9304	6	BLUE	1b	d10 d50	2/3 4/5		k88				
90833-2779	90833-9305	6	NATURAL	5b	02C, 06C	3/4		k**				
90833-2780	90833-9306	6	NATURAL	1b 2a	d20 03c d60	1/2 4/5		k**				
90833-2781	90833-9303	6	NATURAL	NONE	d20, d60	1/2, 5/6		k108				



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

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.				
90833-3500	90833-9401	7	YELLOW	2b	d20 d60	1/2 5/6		K32				
90833-3501	90833-9401	7	YELLOW	ALL	d20 d60	1/2 5/6		K33				
90833-3502	90833-9401	7	YELLOW	ALL	d20 07c	1/2 5/6		K36				
90833-3503	90833-9401	7	YELLOW	2b	d20 07c	1/2 5/6		K37				
90833-3521	90833-9402	7	NATURAL	2b	d20 07c	1/2 5/6						
90833-3513	90833-9402	7	NATURAL	ALL	ALL	1/2 5/6		K00				
90833-3514	90833-9402	7	NATURAL	NONE	d20	1/2 5/6		K44				
90833-3518	90833-9403	7	NATURAL	ALL	ALL	2/3 6/7		K90				
90833-3520	90833-9403	7	NATURAL	ALL	02c d50	2/3 6/7		K49				
90833-3522	90833-9404	7	NATURAL	NONE	d20 03c 07c	5/6		K**				
90833-3523	90833-9405	7	NATURAL	1a 6a	03c 07c	4/5		K**				
90833-3524	90833-9402	7	NATURAL	1a 1b 2a 3a 4a 5a 6a 7a	d20 07c	1/2 5/6		K**				
90833-3521	90833-9402	7	NATURAL	2b	d20 07c	1/2 5/6		K37				

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.				
90833-4250	90833-9501	8	NATURAL	ALL	ALL	3/4 5/6		K00				
90833-4251	90833-9501	8	NATURAL	1b 3a 3b 5a 5b 7a 8a	01c d20 03a 05c 07c	3/4 5/6		K36				
90833-4256	90833-9502	8	NATURAL	ALL	ALL	1/2 7/8		K90				
90833-4255	90833-9502	8	NATURAL	ALL	03a d60	1/2 7/8		K39				
90833-4261	90833-9503	8	BLUE	ALL	ALL	1/2 7/8						
90833-4254	90833-9502	8	NATURAL	2b 8a	03a d60	1/2 7/8						
90833-4264	90833-9504	8	NATURAL	8b	02c d30 07c	2/3 7/8						

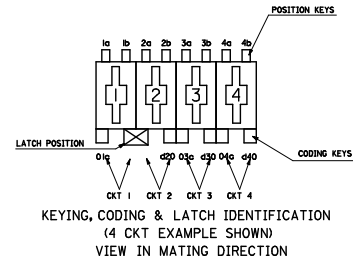
SEE SHEET 1 EC NO: JPC2014-0066 DRAWING: 00101 CHKD: AF APPR: S. GRIFFIN 2013/08/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	4 PLACES ± 0.025 3 PLACES ± 0.05 2 PLACES ± 0.1 1 PLACE ± 0.1 ANGULAR $\pm 1/2^\circ$	DRAWN BY: PC DATE: 94/02/14 CHECKED BY: BMAGUIRE DATE: 94/02/14 APPROVED BY: MWILHITE DATE: 94/02/14	TITLE: 5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY MOLEX INCORPORATED SD-90833-001		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHARTS		DOCUMENT NO.	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 7 OF 8	

13	12	11	10	9	8	7	6	5	4	3	2	1
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MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-5000	90833-9601	9	NATURAL	ALL	ALL	3/4 6/7		K00
90833-5001	90833-9601	9	NATURAL	1b 2a 3a 5a 6a 7b 8b	01a 03a d70 08a d90	3/4 6/7		K30
90833-5010	90833-9603	9	NATURAL	2b 5a	d80	2/3 1/8		K03
90833-5012	90833-9602	9	NATURAL	1b	03a	5/6		K0A

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-8000	90833-9901	12	NATURAL	ALL	ALL	3/4 9/10		K00
90833-8001	90833-9901	12	NATURAL	1a 2a 4a 4b 5a 6b 8a 11a	01a 03a 05a 07a d80 d10 11a	3/4 9/10		K41

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-6000	90833-9701	10	NATURAL	ALL	ALL	3/4 7/8		K00
90833-6001	90833-9701	10	NATURAL	1a 3b 7b 8a	01a d20 d40 05a d100	3/4 7/8		K34
90833-6005	90833-9702	10	NATURAL	ALL	ALL	4/5 7/8		K98
90833-6006	90833-9703	10	NATURAL	ALL	ALL	4/5 6/7		K99
90833-6007	90833-9702	10	NATURAL	1a 10b	07a	4/5 7/8		K39
90833-6008	90833-9703	10	NATURAL	1b 9a	06a	4/5 6/7		K40
90833-6023	90833-9704	10	NATURAL	1b	03a	5/6		K
90833-6024	90833-9704	10	NATURAL	4b 6b 8a 8b	d100	5/6		K**
90833-6025	90833-9705	10	NATURAL	4b 6b 8a 8b	06a d100	NONE		K**



MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90833-7000	90833-9801	11	NATURAL	ALL	ALL	3/4 8/9		K00
90833-7001	90833-9801	11	NATURAL	1a 2b 3b 4a 4b 5a 7a 8a 9a 10a 11a	01a d40 05a 08a 10a	3/4 8/9		K33

SEE SHEET 1 IEC NO: JPC2014-0066 DRAWN BY: DRINKBRIEN01 CHKD: AF APPR: STGRIFIN REV: 2013/08/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES ± 0.025 $\pm$ --- $\pm$ --- 2 PLACES ± 0.05 $\pm$ --- $\pm$ --- 1 PLACE ± 0.1 $\pm$ --- $\pm$ --- ANGULAR $\pm 1/2^\circ$	MM ONLY	1:1	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: PC CHECKED BY: BMAGUIRE APPROVED BY: MWILHITE DATE: 94/02/14 DATE: 94/02/14 DATE: 94/02/14	TITLE	5MM APPLI-MATE 6A/10A F-INDIRECT CONN ASSY		
		MATERIAL NO. SEE CHARTS SIZE: A2	MOLEX INCORPORATED DOCUMENT NO. SD-90833-001 SHEET NO. 8 OF 8	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		