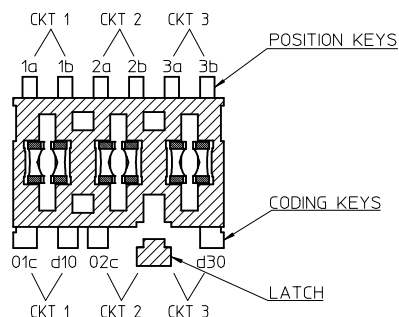
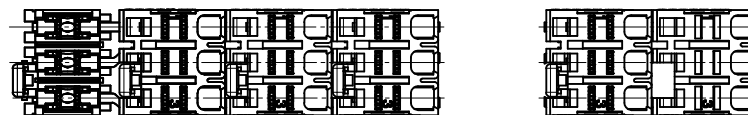
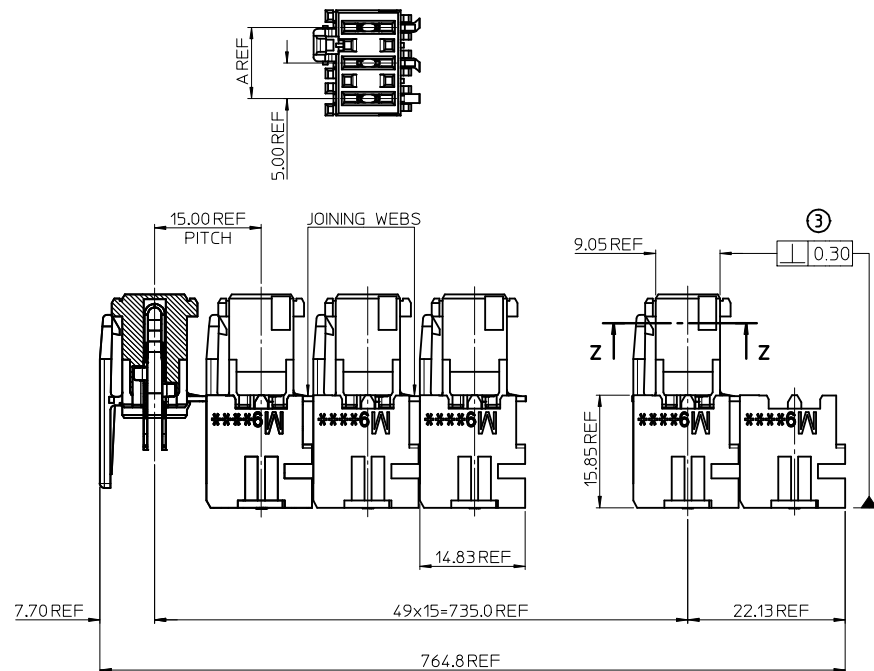
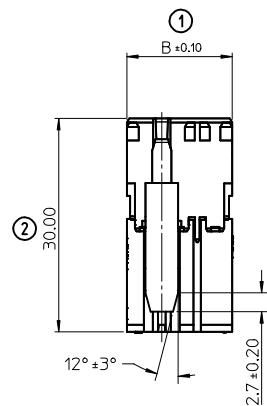




Z-Z
KEYING, CODING & LATCH IDENTIFICATION
(3 CIRCUIT EXAMPLE SHOWN)

NOTES:

1. MATERIALS:

HOUSING: UNFILLED NYLON 6/6, RATED UL94-V2
FOR COLOUR, SEE CHARTS ON SUBSEQUENT SHEETS
TERMINAL: PHOSPHOR BRONZE, 0.50 THICK REF
PLATING: 24µm MINIMUM SILVER IN CONTACT AREA
0.10µm MINIMUM SILVER FLASH ALLOWER

2. PRODUCT SPECIFICATION: PS-99020-0037

3. APPLICATION SPECIFICATION: AS-99033-0004

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

LAST INSPECTION NUMBER USED: 3

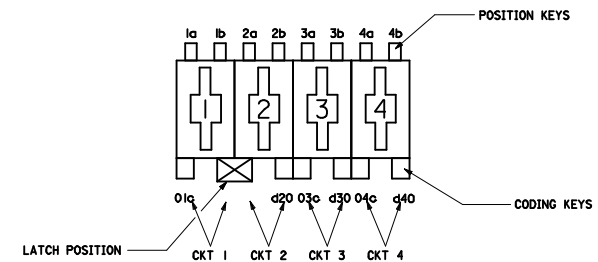
CKT SIZE	DIM A	DIM B
2	5.00	9.80
3	10.00	14.80
4	15.00	19.80

CKT SIZE	NO OF CONNECTORS PER TRAY: 99025-0021	NO OF CONNECTORS PER BOX
2	1200	3600
3	750	2250
4	600	1800

ORIGINAL RELEASE EC NO: IPG2016-0564 DRAWN: J MURPHY 2015/10/15 CHKD: CHIKO APPR: MSHANHAN 2015/11/02	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						MM ONLY		2:1	METRIC			
						DRAWN BY DATE		TITLE				
						DSHEA 2013/02/01		RAST 5 INDIRECT FEMALE				
						CHECKED BY DATE		16 AMPS				
						SMCGREEVY 2013/03/12						
						APPROVED BY DATE						
						STGRIFFIN 2013/04/08						
						MATERIAL NO.		DOCUMENT NO.				
						ANGULAR ± 2 °		SHEET NO.				
		DRAFT WHERE APPLICABLE		SEE SHEETS 2&3								
		MUST REMAIN WITHIN DIMENSIONS		SD-90835-001								
				1 OF 3								
				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	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90835-0001 90835-0034	90835-9001 90835-9002	2	NATURAL PURPLE RED	1a 1b 2a 2b	01c d20	1/2		K00
90835-0003	90835-9001	2	NATURAL	1b 2a	01c d20	1/2		K01
90835-0045	90835-9003	2	PINK RED	1a 2b	01c	1/2		K02
90835-0035	90835-9002	2	PURPLE RED	2a	01c d20	1/2		K03
90835-0036 90835-0019	90835-9004 90835-9001	2	VIOLET NATURAL	1a 2b	d20	1/2		K05
90835-0037	90835-9003	2	PINK RED	1b 2b	01c	1/2		K09
90835-0057	90835-9001	2	NATURAL	1a	01c d20	1/2		K12
90835-0038	90835-9002	2	PURPLE RED	2b	01c d20	1/2		K15
90835-0039	90835-9003	2	PINK RED	1a 1b 2a 2b	01c	1/2		K33
90835-0040 90835-0041 90835-0059	90835-9004 90835-9005 90835-9001	2	VIOLET BROWN NATURAL	1a 1b 2a 2b	d20	1/2		K34
90835-0042	90835-9005	2	BROWN	1b 2b	d20	1/2		K35

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90835-0043	90835-9006	2	ORANGE	1a 1b	NONE	1/2		K40
90835-0044	90835-9006	2	ORANGE	1a 1b 2a 2b	NONE	1/2		K41
90835-0058	90835-9001	2	NATURAL	1b	d20	1/2		K49



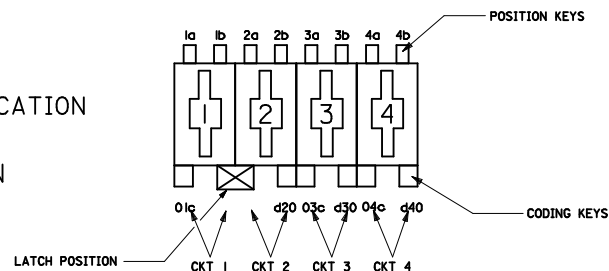
KEYING, CODING & LATCH IDENTIFICATION
(4 CKT EXAMPLE SHOWN)
VIEW IN MATING DIRECTION

SEE SHEET 1 EC NO: IPG2016-0564 DRWN: J MURPHY 2015/10/15 CHKD: CHIKO APPR: MSHANAHAN 2015/11/02 REV B	QUALITY SYMBOLS ▼=0 ▽=0	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>± 0.10</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.20</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.10	± ---	1 PLACE	± 0.20	± ---	0 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY: DSHEA DATE: 2013/02/01 CHECKED BY: SMCREEVY DATE: 2013/03/12 APPROVED BY: STGRIFFIN DATE: 2013/04/08 MATERIAL NO.: SEE TABLES	SCALE: 2:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: RAST 5 INDIRECT FEMALE 16 AMPS molex DOCUMENT NO.: SD-90835-001 SHEET NO.: 2 OF 3
		mm	INCH																			
	4 PLACES	± ---	± ---																			
	3 PLACES	± ---	± ---																			
2 PLACES	± 0.10	± ---																				
1 PLACE	± 0.20	± ---																				
0 PLACE	± ---	± ---																				
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 PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION CODING	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90835-0500	90835-9021	3	NATURAL	1a 1b 2a 2b 3a 3b	01c d20 03c d30	1 / 2		K00
90835-0501	90835-9022	3	NATURAL	1a 1b 2a 2b 3a 3b	01c d10 02c d30	2 / 3		K90
90835-0502	90835-9021	3	NATURAL	1b	01c d20	1 / 2		K01
90835-0518	90835-9023	3	PURPLE RED	1a 1b 2a 2b 3a 3b	d10 d30	2 / 3		K38
90835-0519	90835-9024	3	VIOLET	1a 1b 2a 2b 3a 3b	NONE	2 / 3		K39
90835-0520	90835-9025	3	BROWN	1a 1b 2a 2b 3a 3b	d20	1 / 2		K40
90835-0521	90835-9023	3	PURPLE RED	2a	d10 d30	2 / 3		K44
90835-0522	90835-9025	3	BROWN	1b 2a	d20	1 / 2		K45
90835-0523	90835-9024	3	VIOLET	1b 3b	NONE	2 / 3		K46
90835-0534	90835-9026	3	PINK RED	1a 1b 2a 2b 3a 3b	d10	2 / 3		K41
90835-0536	90835-9022	3	NATURAL	2a	d10 d30	2 / 3		K44
90835-0537	90835-9022	3	NATURAL	3b	d10 d30	2 / 3		K101
90835-0538	90835-9024	3	VIOLET	1b 2a 2b 3b	NONE	2 / 3		K124

MOLEX PART NO	HOUSING NO.	CIRCUIT SIZE	COLOUR	POSITION CODING	CODING KEYS	LATCH POSITION	CONFIGURATION	REF
90835-1251	90835-9101	4	NATURAL	1a 1b 2a 2b 3a 3b 4a 4b	01c d20 03c d40	1/2 3/4		K00
90835-1254	90835-9101	4	NATURAL	1b	03c d40	1/2 3/4		K01
90835-1268	90835-9102	4	VIOLET	1a 1b 2a 2b 3a 3b 4a 4b	01c	1/2 3/4		K34
90835-1269	90835-9102	4	VIOLET	1a 4b	01c	1/2 3/4		K02
90835-1273	90835-9101	4	NATURAL	1a 3a 3b	01c d20 d40	1/2 3/4		K32
90835-1281	90835-9103	4	PINK RED	1a 1b 2a 2b 3a 3b 4a 4b	01c 03c	1/2 3/4		K76
90835-1283	90835-9103	4	PINK RED	1a 2b 3b 4a	01c 03c d40	1/2 3/4		K65
90835-1284	90835-9103	4	PINK RED	1a 1b 2b 3b 4a	d20 03c d40	1/2 3/4		K--
90835-1285	90835-9103	4	PINK RED	1b	01c 03c	1/2 3/4		K114

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



SEE SHEET 1 EC NO: IPG2016-0564 DRAWN: J MURPHY 2015/10/15 CHKD: APPR: MSHANHAN 2015/11/02	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 DSHEA	DATE 2013/02/01	TITLE RAST 5 INDIRECT FEMALE 16 AMPS			
		4 PLACES	± ---	± ---	CHECKED BY SMCGREEVY	DATE 2013/03/12	DOCUMENT NO. molex			
		3 PLACES	± ---	± ---						
		2 PLACES	± 0.10	± ---	APPROVED BY STGRIFFIN	DATE 2013/04/08				
		1 PLACE	± 0.20	± ---						
		0 PLACE	± ---	± ---	MATERIAL NO.		SHEET NO. 3 OF 3			
		ANGULAR ± 2 °			SEE TABLES		SD-90835-001			
		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			