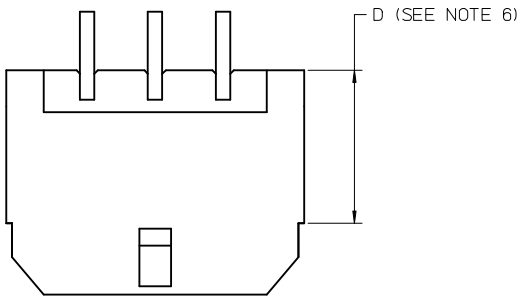
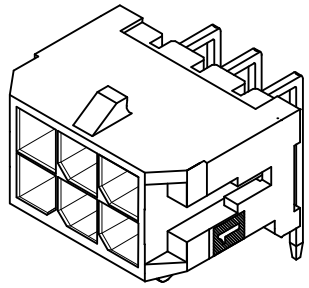
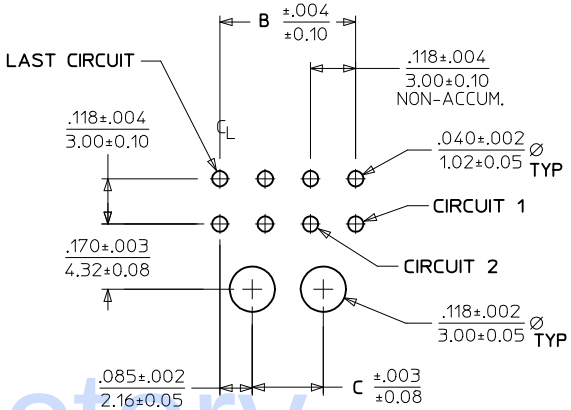
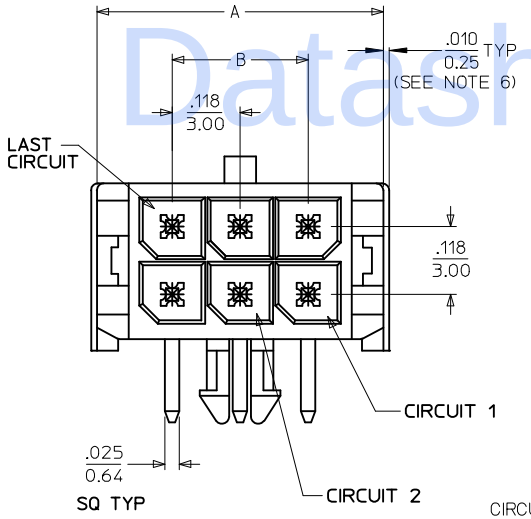


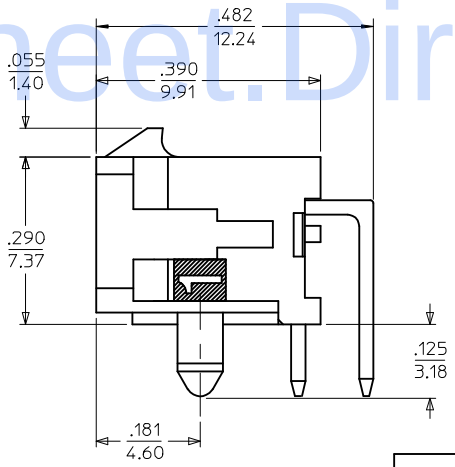




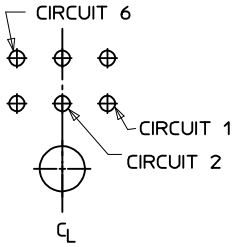
PCB LAYOUT: COMPONENT SIDE
RECOMMEND PCB THICKNESS: .062/1.57

CKTS	A	B	C
02	.262 / 6.65	NA	NA
04	.380 / 9.65	.118 / 3.00	NA
06	.498 / 12.65	.236 / 6.00	NA
08	.616 / 15.65	.354 / 9.00	.185 / 4.70
10	.734 / 18.65	.472 / 12.00	.303 / 7.70
12	.852 / 21.65	.591 / 15.00	.421 / 10.70
14	.970 / 24.65	.709 / 18.00	.539 / 13.70
16	1.088 / 27.65	.827 / 21.00	.657 / 16.70
18	1.206 / 30.65	.945 / 24.00	.776 / 19.70
20	1.325 / 33.65	1.063 / 27.00	.894 / 22.70
22	1.443 / 36.65	1.181 / 30.00	1.012 / 25.70
24	1.561 / 39.65	1.299 / 33.00	1.130 / 28.70

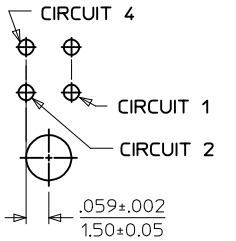




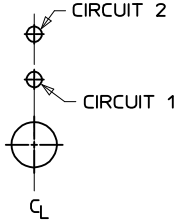
CIRCUIT "1" IDENTIFIED ON THIS SURFACE
(APPROX. LOCATION SHOWN FOR REF.)



PCB LAYOUT:
6 CKT HEADER

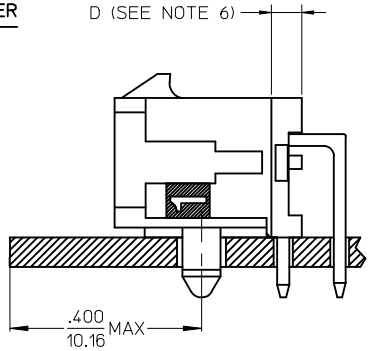


PCB LAYOUT:
4 CKT HEADER



PCB LAYOUT:
2 CKT HEADER

	FINISH A	FINISH B	FINISH C	FINISH D
CKTS	MATERIAL NO:	MATERIAL NO:	MATERIAL NO:	MATERIAL NO:
02	43045-0200	43045-0201	43045-0202	43045-0310
04	43045-0400	43045-0401	43045-0402	43045-0510
06	43045-0600	43045-0601	43045-0602	43045-0710
08	43045-0800	43045-0801	43045-0802	43045-0910
10	43045-1000	43045-1001	43045-1002	43045-1110
12	43045-1200	43045-1201	43045-1202	43045-1310
14	43045-1400	43045-1401	43045-1402	43045-1510
16	43045-1600	43045-1601	43045-1602	43045-1710
18	43045-1800	43045-1801	43045-1802	43045-1910
20	43045-2000	43045-2001	43045-2002	43045-2110
22	43045-2200	43045-2201	43045-2202	43045-2310
24	43045-2400	43045-2401	43045-2402	43045-2510



LOCATION DETAIL
SEE NOTE #7

NOTES:

1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL94V-0, COLOR: BLACK
   TERMINAL MATERIAL: BRASS ALLOY
2. FINISH: A = .000060/(0.00152) MIN. REFLOWED MATTE TIN OVER .000050/(0.00127) MIN. NICKEL PLATE. (FINISH IS BRIGHT IN APPEARANCE. THICKNESS AS APPLIED PRIOR TO REFLOW)
   B = .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA; .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS; BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
   C = .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA; .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS; BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
   D = .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL
3. PRODUCT SPECIFICATION: PS-43045
4. TRAY PACKAGED : SEE MOLEX DRAWING PK-70873-0313
5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025
6. CIRCUIT SIZES 2-6: "D" IS .265/6.74 FOR .010/0.25 STEP.
   CIRCUIT SIZES 8-24: "D" IS .063/1.60 FOR .010/0.25 STEP.
7. TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED WITHIN .400/(10.16) MAX. FROM EDGE OF PCB, AS SHOWN IN LOCATION DETAIL.
8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF PRODUCT SPECIFICATION PS-45499-002.

FINISH A & D	EC NO: UCP2016-4586	DRWN: JDFOX	2015/12/10
		CH'KD: SSOUSEK	2015/12/10
		APPR: FSMITH	2016/08/23
DESCRIPTION			
REV	G		

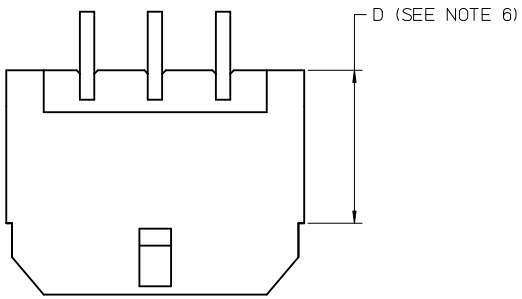
QUALITY SYMBOLS: E =0, E =0, E =0

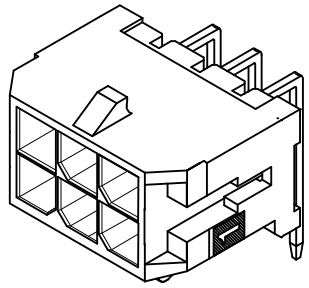
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
0 PLACE	± ---	± ---
ANGULAR ±1/2°		

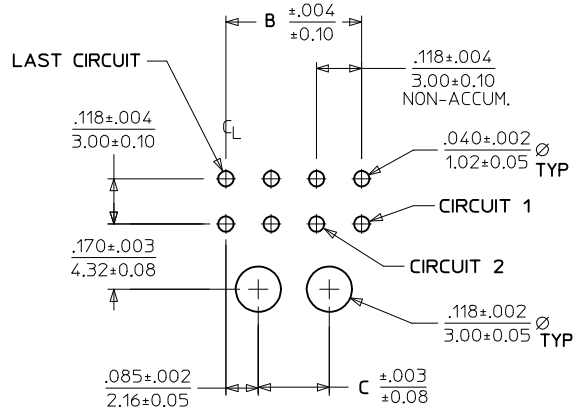
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: SAMIEC	DATE: 2000/03/15	TITLE: MICRO-FIT (3.0) DUAL ROW RIGHT ANGLE THRU HOLE HEADER ASS'Y	
CHECKED BY: MUELLER	DATE: 2000/03/15		
APPROVED BY: FSMITH	DATE: 2016/08/23	molex	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SD-43045-001	SHEET NO.: 1 OF 1
SIZE: C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

Datasheet.Directory

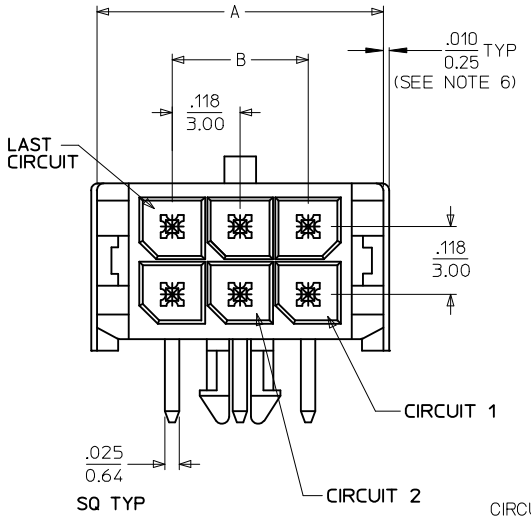


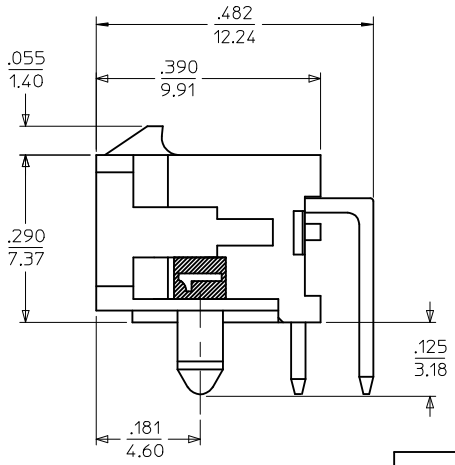




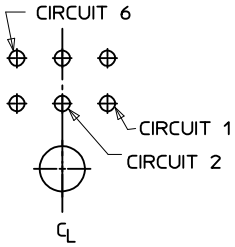
PCB LAYOUT: COMPONENT SIDE
RECOMMEND PCB THICKNESS: .062/1.57

CKTS	A	B	C
02	.262 / 6.65	NA	NA
04	.380 / 9.65	.118 / 3.00	NA
06	.498 / 12.65	.236 / 6.00	NA
08	.616 / 15.65	.354 / 9.00	.185 / 4.70
10	.734 / 18.65	.472 / 12.00	.303 / 7.70
12	.852 / 21.65	.591 / 15.00	.421 / 10.70
14	.970 / 24.65	.709 / 18.00	.539 / 13.70
16	1.088 / 27.65	.827 / 21.00	.657 / 16.70
18	1.206 / 30.65	.945 / 24.00	.776 / 19.70
20	1.325 / 33.65	1.063 / 27.00	.894 / 22.70
22	1.443 / 36.65	1.181 / 30.00	1.012 / 25.70
24	1.561 / 39.65	1.299 / 33.00	1.130 / 28.70

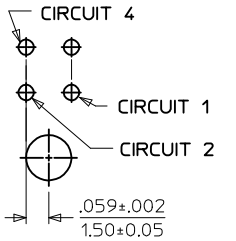




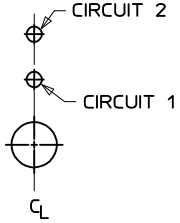
CIRCUIT "1" IDENTIFIED ON THIS SURFACE
(APPROX. LOCATION SHOWN FOR REF.)



PCB LAYOUT:
6 CKT HEADER

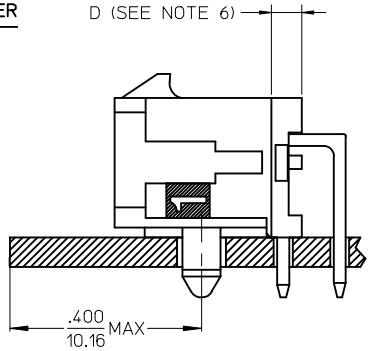


PCB LAYOUT:
4 CKT HEADER



PCB LAYOUT:
2 CKT HEADER

CKTS	FINISH A MATERIAL NO:	FINISH B MATERIAL NO:	FINISH C MATERIAL NO:	FINISH D MATERIAL NO:
02	43045-0200	43045-0201	43045-0202	43045-0310
04	43045-0400	43045-0401	43045-0402	43045-0510
06	43045-0600	43045-0601	43045-0602	43045-0710
08	43045-0800	43045-0801	43045-0802	43045-0910
10	43045-1000	43045-1001	43045-1002	43045-1110
12	43045-1200	43045-1201	43045-1202	43045-1310
14	43045-1400	43045-1401	43045-1402	43045-1510
16	43045-1600	43045-1601	43045-1602	43045-1710
18	43045-1800	43045-1801	43045-1802	43045-1910
20	43045-2000	43045-2001	43045-2002	43045-2110
22	43045-2200	43045-2201	43045-2202	43045-2310
24	43045-2400	43045-2401	43045-2402	43045-2510



LOCATION DETAIL
SEE NOTE #7

NOTES:

1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL94V-0, COLOR: BLACK
   TERMINAL MATERIAL: BRASS ALLOY
2. FINISH: A = .000060/(0.00152) MIN. REFLOWED MATTE TIN OVER .000050/(0.00127) MIN. NICKEL PLATE. (FINISH IS BRIGHT IN APPEARANCE. THICKNESS AS APPLIED PRIOR TO REFLOW)
   B = .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA; .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS; BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
   C = .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA; .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS; BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
   D = .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL
3. PRODUCT SPECIFICATION: PS-43045
4. TRAY PACKAGED : SEE MOLEX DRAWING PK-70873-0313
5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025
6. CIRCUIT SIZES 2-6: "D" IS .265/6.74 FOR .010/0.25 STEP.
   CIRCUIT SIZES 8-24: "D" IS .063/1.60 FOR .010/0.25 STEP.
7. TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED WITHIN .400/(10.16) MAX. FROM EDGE OF PCB, AS SHOWN IN LOCATION DETAIL.
8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF PRODUCT SPECIFICATION PS-45499-002.

REV	DESCRIPTION
G	FINISH A & D EC NO: UCP2016-4586 2015/12/10 DRWN: JDFOX 2015/12/10 CH'KD: SSOUSEK 2016/08/23 APPR: FSMITH

QUALITY SYMBOLS: E/A =0, E/B =0, E/C =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
0 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

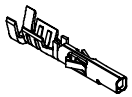
DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

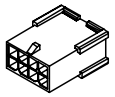
DRAWN BY: SAMIEC	DATE: 2000/03/15	TITLE: MICRO-FIT (3.0) DUAL ROW RIGHT ANGLE THRU HOLE HEADER ASS'Y
CHECKED BY: MUELLER	DATE: 2000/03/15	molex
APPROVED BY: FSMITH	DATE: 2016/08/23	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SD-43045-001
SIZE: C		SHEET NO.: 1 OF 1

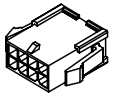
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

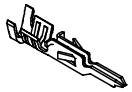
43045

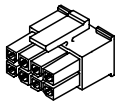
MICRO-FIT(3.0) DUAL-ROW SERIES

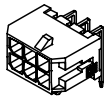

43030-****
FEMALE CRIMP TERMINAL

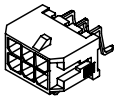

43020-**01
PLUG W/O MTG. EARS

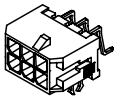

43020-**00
PLUG W/ MTG. EARS

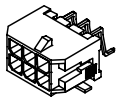

43031-****
MALE CRIMP TERMINAL

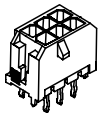

43025-****
RECEPTACLE

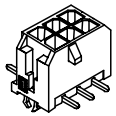

43045-**00 THRU 43045-**02
RIGHT ANGLE THRU HOLE
W/RETENTION PEG

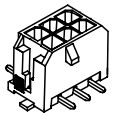

43045-**03 THRU 43045-**05
RIGHT ANGLE SURFACE MOUNT
W/RETENTION PEG

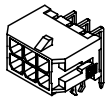

43045-**06 THRU 43045-**08
RIGHT ANGLE SURFACE MOUNT
W/RETENTION CLIP

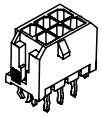

43045-**09 THRU 43045-**11
RIGHT ANGLE SURFACE MOUNT
W/FITTING NAIL

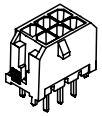

43045-**12 THRU 43045-**14
VERTICAL O.T.R. THRU HOLE

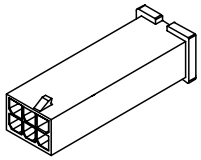

43045-**15 THRU 43045-**17
VERTICAL SURFACE MOUNT
W/RETENTION CLIP


43045-**18 THRU 43045-**20
VERTICAL SURFACE MOUNT
W/FITTING NAIL

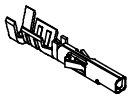

43045-**21 THRU 43045-**23
RIGHT ANGLE THRU HOLE
W/RETENTION CLIP

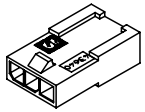

43045-**24 THRU 43045-**26
VERTICAL O.T.R. THRU HOLE
W/RETENTION CLIP

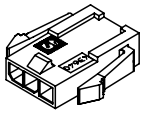

43045-**27 THRU 43045-**29
VERTICAL STRAIGHT PIN THRU HOLE


44242-0001 THRU 44242-0011
4-24 CKT. TEST PLUG

MICRO-FIT(3.0) IN-LINE SERIES


43030-****
FEMALE CRIMP TERMINAL


43640-**01
PLUG W/O MTG. EARS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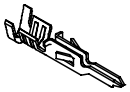
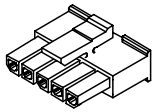
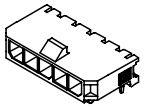
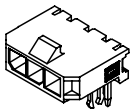
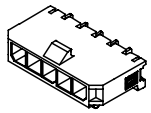
PLUG W/ MTG. EARS

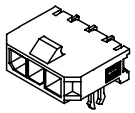

43031-****
MALE CRIMP TERMINAL


43645-****
RECEPTACLE


43650-**00 THRU 43650-**02
RIGHT ANGLE THRU HOLE
W/RETENTION PEG


43650-**03 THRU 43650-**05
RIGHT ANGLE THRU HOLE
W/RETENTION CLIP


43650-**06 THRU 43650-**08
RIGHT ANGLE SURFACE MOUNT
W/RETENTION PEG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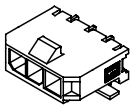
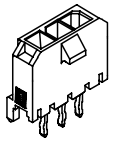
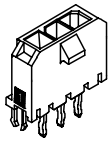
RIGHT ANGLE SURFACE MOUNT
W/RETENTION CLIP


43650-**12 THRU 43650-**14
RIGHT ANGLE SURFACE MOUNT
W/FITTING NAIL


43650-**15 THRU 43650-**17
VERTICAL O.T.R. THRU HOLE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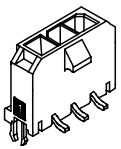
VERTICAL O.T.R. THRU HOLE
W/RETENTION CLIP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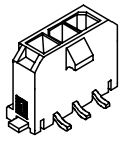
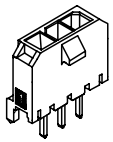
VERTICAL SURFACE MOUNT
W/RETENTION CLIP


43650-**24 THRU 43650-**26
VERTICAL SURFACE MOUNT
W/FITTING NAIL


43650-**27 THRU 43650-**29
VERTICAL STRAIGHT PIN THRU HOLE

REV	DESCRIPTION	
L	REVISED/REDRAWN	EC NO: UCP2004-1223
		DRWN: J.CERNY 2004/03/12
		CHKD: 2004/03/31
		APPR: F.SMITH 2004/04/05

QUALITY SYMBOLS: ▼ = 0; ▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE	---
DESIGN UNITS	METRIC
DIMENSION STYLE	IN/MM
DRAWN BY	GUZIK
DATE	1999/03/11
CHECKED BY	EDGLEY
DATE	1999/03/11
APPROVED BY	EDGLEY
DATE	1999/03/11

THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

TITLE: MICRO-FIT (3.0) CONNECTOR FAMILY (INDEX DRAWING)

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDIN-43045-0001
SHEET NO.: 1 OF 1

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

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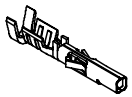
tb_frame_D_P_ME_T
Rev. C 2002/05/05

43045

MICRO-FIT(3.0) DUAL-ROW SERIES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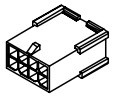
FEMALE CRIMP TERMINAL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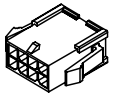
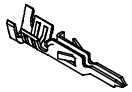
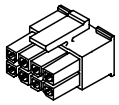
PLUG W/O MTG. EARS


43020-**00
PLUG W/ MTG. EARS


43031-****
MALE CRIMP TERMINAL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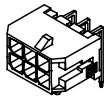
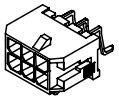
RECEPTACLE


43045-**00 THRU 43045-**02
RIGHT ANGLE THRU HOLE
W/RETENTION PEG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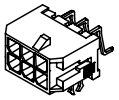
RIGHT ANGLE SURFACE MOUNT
W/RETENTION PEG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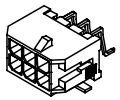
RIGHT ANGLE SURFACE MOUNT
W/RETENTION CLIP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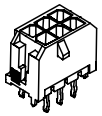
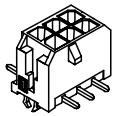
RIGHT ANGLE SURFACE MOUNT
W/FITTING NAIL


43045-**12 THRU 43045-**14
VERTICAL O.T.R. THRU HOLE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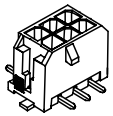
VERTICAL SURFACE MOUNT
W/RETENTION CLIP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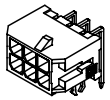
VERTICAL SURFACE MOUNT
W/FITTING NAIL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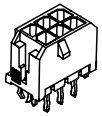
RIGHT ANGLE THRU HOLE
W/RETENTION CLIP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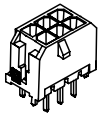
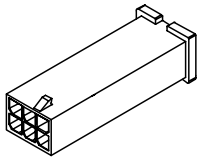
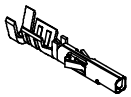
VERTICAL O.T.R. THRU HOLE
W/RETENTION CLIP


43045-**27 THRU 43045-**29
VERTICAL STRAIGHT PIN THRU HOLE


44242-0001 THRU 44242-0011
4-24 CKT. TEST PLUG

MICRO-FIT(3.0) IN-LINE SERIES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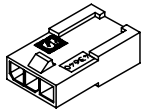
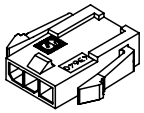
FEMALE CRIMP TERMINAL


43640-**01
PLUG W/O MTG. EARS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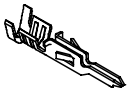
PLUG W/ MTG. EARS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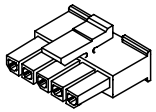
MALE CRIMP TERMINAL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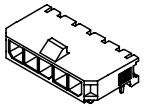
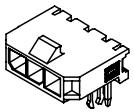
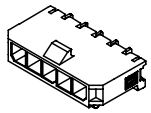
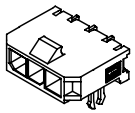
RECEPTACLE


43650-**00 THRU 43650-**02
RIGHT ANGLE THRU HOLE
W/RETENTION PEG


43650-**03 THRU 43650-**05
RIGHT ANGLE THRU HOLE
W/RETENTION CLIP


43650-**06 THRU 43650-**08
RIGHT ANGLE SURFACE MOUNT
W/RETENTION PEG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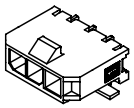
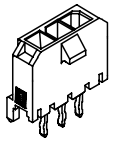
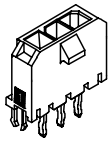
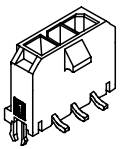
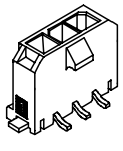
RIGHT ANGLE SURFACE MOUNT
W/RETENTION CLIP

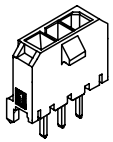

43650-**12 THRU 43650-**14
RIGHT ANGLE SURFACE MOUNT
W/FITTING NAIL


43650-**15 THRU 43650-**17
VERTICAL O.T.R. THRU HOLE


43650-**18 THRU 43650-**20
VERTICAL O.T.R. THRU HOLE
W/RETENTION CLIP


43650-**21 THRU 43650-**23
VERTICAL SURFACE MOUNT
W/RETENTION CLIP


43650-**24 THRU 43650-**26
VERTICAL SURFACE MOUNT
W/FITTING NAIL


43650-**27 THRU 43650-**29
VERTICAL STRAIGHT PIN THRU HOLE

REV	DESCRIPTION	
L	REVISED/REDRAWN	EC NO: UCP2004-1223
		DRWN: J.CERNY 2004/03/12
		CHKD: 2004/03/31
		APPR: F.SMITH 2004/04/05

QUALITY SYMBOLS: ▼ = 0; ▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE	---
DESIGN UNITS	METRIC
DIMENSION STYLE	IN/MM
DRAWN BY	GUZIK
DATE	1999/03/11
CHECKED BY	EDGLEY
DATE	1999/03/11
APPROVED BY	EDGLEY
DATE	1999/03/11

THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

TITLE: MICRO-FIT (3.0) CONNECTOR FAMILY (INDEX DRAWING)

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDIN-43045-0001
SHEET NO.: 1 OF 1

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Rev. C 2002/05/05