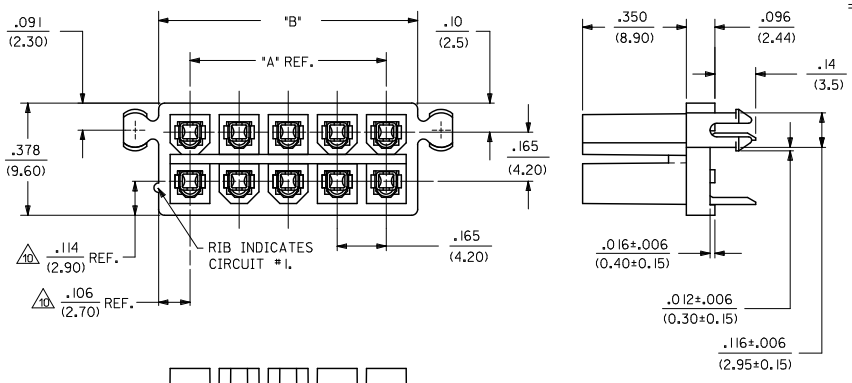
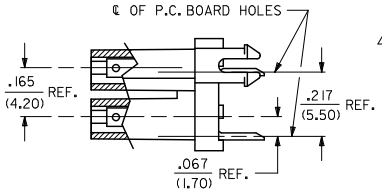
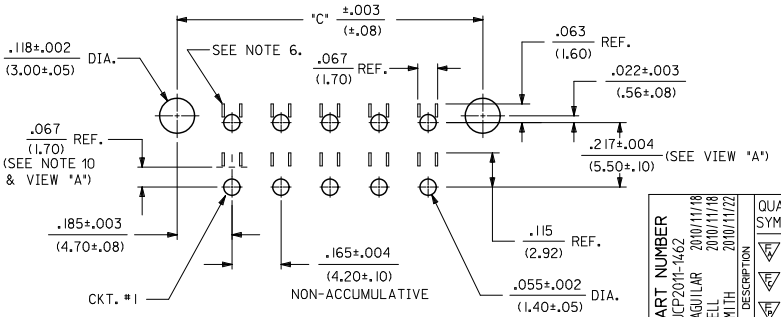




VIEW "A"



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE

NOTES:

1) HOUSING AND TERMINAL MATERIAL:
   A - HOUSING: NYLON 6/6, U.L. 94V-2, COLOR: NATURAL. TERMINAL: BRASS, ALLOY 260.
   B - HOUSING: NYLON 6/6, U.L. 94V-0, COLOR: NATURAL. TERMINAL: BRASS, ALLOY 260.
   C - HOUSING: NYLON 6/6, U.L. 94V-2, COLOR: NATURAL. TERMINAL: PHOS. BRONZE, ALLOY 510.
   D - HOUSING: NYLON 6/6, U.L. 94V-0, COLOR: NATURAL. TERMINAL: PHOS. BRONZE, ALLOY 510.
2) TERMINAL PLATING:
   1 - .000100/(.00254) MIN. BRIGHT TIN OVER .000050/(.00127) MIN. NICKEL.
   2 - .000030/(.00076) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
   3 - .000100/(.00254) MIN. TIN OVER .000050/(.00127) MIN. NICKEL.
   4 - .000050/(.00127) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-5556-002.
4) TRAY PACK PER PK-42385-999.
5) PART MATES WITH MINI-FIT B.M.I. PLUG #42475 AND HEADERS 42404,42440,43879, AND 44068.
6) PHANTOM LINES INDICATE AREAS WHERE TERMINAL STANDOFFS CONTACT P.C. BOARD.
7) A MAXIMUM TOLERANCE OF .050/(1.27) ALLOWS FOR 2 POINTS OF ELECTRICAL CONTACT. A MAXIMUM TOLERANCE OF .020/(.51) ALLOWS FOR 4 POINTS OF CONTACT.
8) .016 IN/IN OR .016 MM/MM MAX. BOW ALLOWABLE AT DATUM -C-.
9) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING CONNECTOR.
10) DIMENSION TO BE USED FOR ALIGNMENT OF CIRCUIT #1 OF MATING CONNECTOR
11) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
12) PARTS NOT DESIGNED FOR CURRENT SHARING.
13) WHEN THIS PRODUCT IS USED IN A BLIND MATING APPLICATION, THE SYSTEM LEVEL DESIGN MUST INCORPORATE GUIDANCE SO THE CONNECTORS ARE WITHIN THE CAPTURE ENVELOPE OF THE FLANGES ON THE HEADER OR PLUG HOUSING AND CAN THUS ALIGN THEMSELVES AS THEY COME TOGETHER. FLOAT IS ALSO REQUIRED IN THE OVERALL DESIGN TO ALLOW THE PCB RECEPTACLE OR ITS MATE TO MOVE INTO A STRESS-FREE POSITION AFTER MATING.
14) PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"
2	—	.21 (5.4)	.370 (9.40)
4	.165 (4.20)	.38 (9.6)	.535 (13.60)
6	.331 (8.40)	.54 (13.8)	.701 (17.80)
8	.496 (12.60)	.71 (18.0)	.866 (22.00)
10	.661 (16.80)	.87 (22.2)	1.031 (26.20)
12	.827 (21.00)	1.04 (26.4)	1.197 (30.40)
14	.992 (25.20)	1.20 (30.6)	1.362 (34.60)
16	1.157 (29.40)	1.37 (34.8)	1.528 (38.80)
18	1.323 (33.60)	1.54 (39.0)	1.693 (43.00)
20	1.488 (37.80)	1.70 (43.2)	1.858 (47.20)
22	1.654 (42.00)	1.87 (47.4)	2.024 (51.40)
24	1.819 (46.20)	2.03 (51.6)	2.189 (55.60)

LEGEND: A - 42385 - ** * *
- BASE NUMBER
- CIRCUIT SIZE (02-24)
- HOUSING AND TERMINAL MATERIAL (SEE NOTE 1.)
- PLATING (SEE NOTE 2.)

ADD PART NUMBER
EC NO: UCP2011-1462 2010/11/18
DRWN: JAGUILAR 2010/11/18
CHKD: JBELL 2010/11/22
APPR: FSMITH 2010/11/22
DESCRIPTION
REV
W5

QUALITY SYMBOLS
Ⓜ =0
Ⓔ =0
Ⓟ =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

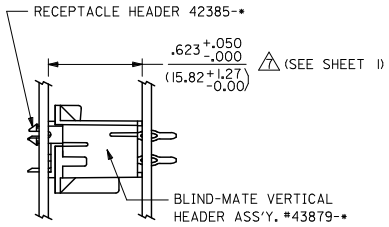
		DATE
DRAWN BY	RJF	1988/12/09
CHECKED BY	JTR	1988/12/09
APPROVED BY	FSMITH	2010/11/22

TITLE: RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE

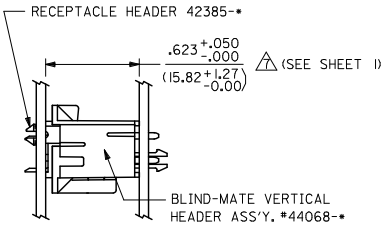
molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHT 3-4
DOCUMENT NO.: SDA-42385-*
SHEET NO.: 1 OF 4
SIZE: C

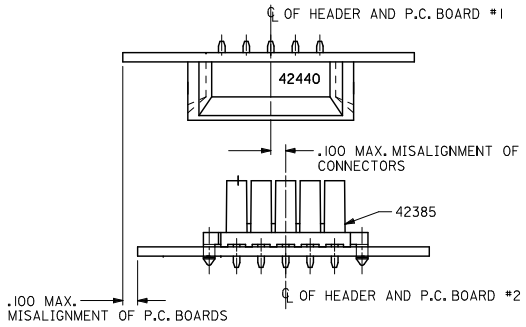
tb_frame_C_P_AM_T
Rev. F 2009/06/18



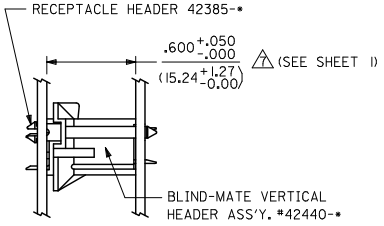
P.C.BOARD-TO-P.C.BOARD APPLICATION #4



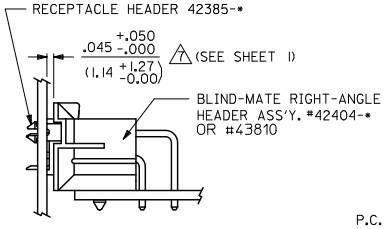
P.C.BOARD-TO-P.C.BOARD APPLICATION #5



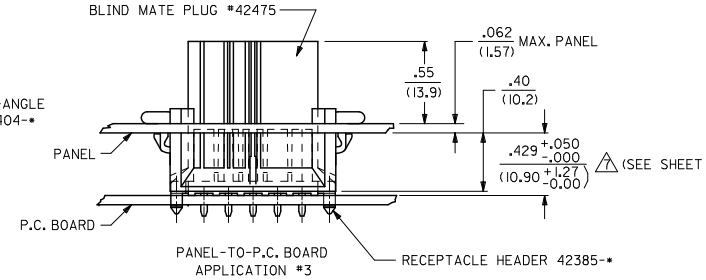
ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT (NO CONNECTOR FLOAT)



PANEL-TO-P.C.BOARD APPLICATION #1



PANEL-TO-P.C.BOARD APPLICATION #2



PANEL-TO-P.C. BOARD APPLICATION #3

SEE NOTE 13

SEE SHEET 1			
EC NO: UCP2011-1462	2010/11/18		
DRWN: JAGUILAR	2010/11/18		
CHKD: JBELL	2010/11/22		
APPR: FSMITH	2010/11/22		
W5		REV	DESCRIPTION

QUALITY SYMBOLS: ▽F =0; ▽E =0; ▽V =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RJF
DATE	1988/12/09
CHECKED BY	JTR
DATE	1988/12/09
APPROVED BY	FSMITH
DATE	2010/11/22
MATERIAL NO.	SEE CHART
SIZE	C

TITLE: RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE

MOLEX INCORPORATED

DOCUMENT NO.: SDA-42385-*

SHEET NO.: 2 OF 4

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERMINAL PLATING
NO E.D.P.	A-42385-02A1	2	94V-2/BRASS	BRIGHT TIN OVER NICKEL
15-24-7040	-04A1	4		
15-24-7060	-06A1	6		
NO E.D.P.	-08A1	8		
15-24-7100	-10A1	10		
NO E.D.P.	-12A1	12		
15-24-7140	-14A1	14		
15-24-7160	-16A1	16		
15-24-7180	-18A1	18		
NO E.D.P.	-20A1	20		
NO E.D.P.	-22A1	22		
15-24-7240	A-42385-24A1	24	94V-2/BRASS	BRIGHT TIN OVER NICKEL
NO E.D.P.	A-42385-02A2	2	94V-2/BRASS	30 M.I. SEL. GOLD
15-24-7042	-04A2	4		
15-24-7062	-06A2	6		
NO E.D.P.	-08A2	8		
15-24-7102	-10A2	10		
NO E.D.P.	-12A2	12		
15-24-7142	-14A2	14		
15-24-7162	-16A2	16		
15-24-7182	-18A2	18		
NO E.D.P.	-20A2	20		
NO E.D.P.	-22A2	22		
15-24-7242	A-42385-24A2	24	94V-2/BRASS	30 M.I. SEL. GOLD
NO E.D.P.	A-42385-02C1	2	94V-2/P.B.	BRIGHT TIN OVER NICKEL
15-24-7044	-04C1	4		
15-24-7064	-06C1	6		
NO E.D.P.	-08C1	8		
15-24-7104	-10C1	10		
NO E.D.P.	-12C1	12		
15-24-7144	-14C1	14		
NO E.D.P.	-16C1	16		
15-24-7184	-18C1	18		
NO E.D.P.	-20C1	20		
NO E.D.P.	-22C1	22		
15-24-7244	A-42385-24C1	24	94V-2/P.B.	BRIGHT TIN OVER NICKEL
NO E.D.P.	A-42385-02C2	2	94V-2/P.B.	30 M.I. SEL. GOLD
NO E.D.P.	-04C2	4		
NO E.D.P.	-06C2	6		
NO E.D.P.	-08C2	8		
NO E.D.P.	-10C2	10		
NO E.D.P.	-12C2	12		
NO E.D.P.	-14C2	14		
NO E.D.P.	-16C2	16		
NO E.D.P.	-18C2	18		
NO E.D.P.	-20C2	20		
NO E.D.P.	-22C2	22		
NO E.D.P.	A-42385-24C2	24	94V-2/P.B.	30 M.I. SEL. GOLD

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERM. PLATING
NO E.D.P.	A-42385-02B1	2	94V-0,BRASS	BRIGHT TIN OVER NICKEL
15-24-7041	-04B1	4		
15-24-7061	-06B1	6		
NO E.D.P.	-08B1	8		
15-24-7101	-10B1	10		
NO E.D.P.	-12B1	12		
15-24-7141	-14B1	14		
15-24-7161	-16B1	16		
15-24-7181	-18B1	18		
NO E.D.P.	-20B1	20		
NO E.D.P.	-22B1	22		
15-24-7241	A-42385-24B1	24	94V-0,BRASS	BRIGHT TIN OVER NICKEL
NO E.D.P.	A-42385-02B2	2	94V-0,BRASS	30 M.I. SEL. GOLD
15-24-7043	-04B2	4		
15-24-7063	-06B2	6		
NO E.D.P.	-08B2	8		
15-24-7103	-10B2	10		
NO E.D.P.	-12B2	12		
15-24-7143	-14B2	14		
15-24-7163	-16B2	16		
15-24-7183	-18B2	18		
NO E.D.P.	-20B2	20		
NO E.D.P.	-22B2	22		
15-24-7243	A-42385-24B2	24	94V-0,BRASS	30 M.I. SEL. GOLD
NO E.D.P.	A-42385-02D1	2	94V-0/P.B.	BRIGHT TIN OVER NICKEL
NO E.D.P.	-04D1	4		
NO E.D.P.	-06D1	6		
NO E.D.P.	-08D1	8		
15-24-7105	-10D1	10		
NO E.D.P.	-12D1	12		
NO E.D.P.	-14D1	14		
NO E.D.P.	-16D1	16		
NO E.D.P.	-18D1	18		
NO E.D.P.	-20D1	20		
NO E.D.P.	-22D1	22		
NO E.D.P.	A-42385-24D1	24	94V-0/P.B.	BRIGHT TIN OVER NICKEL
NO E.D.P.	A-42385-02D2	2	94V-0/P.B.	30 M.I. SEL. GOLD
NO E.D.P.	-04D2	4		
15-24-7067	-06D2	6		
NO E.D.P.	-08D2	8		
15-24-7107	-10D2	10		
NO E.D.P.	-12D2	12		
NO E.D.P.	-14D2	14		
NO E.D.P.	-16D2	16		
15-24-7187	-18D2	18		
NO E.D.P.	-20D2	20		
NO E.D.P.	-22D2	22		
15-24-7247	A-42385-24D2	24	94V-0/P.B.	30 M.I. SEL. GOLD

SEE SHEET 1
EC NO: UCP2011-1462 2010/11/18
DRWN: JAGUILAR 2010/11/18
CHKD: JBELL 2010/11/22
APPR: FSMITH
DESCRIPTION
REV
W5

QUALITY SYMBOLS
A =0
B =0
C =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RJF DATE: 1988/12/09
CHECKED BY: JTR DATE: 1988/12/09
APPROVED BY: FSMITH DATE: 2010/11/22
MATERIAL NO.: SEE CHART
SIZE: C

TITLE: RECEPTACLE HEADER ASSY
MINI-FIT SERIES
BLIND MATE

molex MOLEX INCORPORATED

DOCUMENT NO.: SDA-42385-*
SHEET NO.: 3 OF 4

tb_frame_C_P_AM_T
Rev. F 2009/06/18

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERMINAL PLATING
NO E.D.P.	A-42385-02D4	2	94V-0/P.B.	50 M.I. SEL. GOLD
NO E.D.P.	-04D4	4		
NO E.D.P.	-06D4	6		
NO E.D.P.	-08D4	8		
NO E.D.P.	-10D4	10		
NO E.D.P.	-12D4	12		
NO E.D.P.	-14D4	14		
NO E.D.P.	-16D4	16		
NO E.D.P.	-18D4	18		
NO E.D.P.	-20D4	20		
NO E.D.P.	-22D4	22		
NO E.D.P.	A-42385-24D4	24	94V-0/P.B.	50 M.I. SEL. GOLD
NO E.D.P	A-42385-02B3	2	94V-0/BRASS	MATTE TIN OVER NICKEL
NO E.D.P	-04B3	4		
NO E.D.P	-06B3	6		
NO E.D.P	-08B3	8		
NO E.D.P	-10B3	10		
NO E.D.P	-12B3	12		
NO E.D.P	-14B3	14		
NO E.D.P	-16B3	16		
50-36-2487	-18B3	18		
NO E.D.P	-20B3	20		
NO E.D.P	-22B3	22		
NO E.D.P	A-42385-24B3	24	94V-0/BRASS	MATTE TIN OVER NICKEL

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERMINAL PLATING
NO E.D.P.	A-42385-02A3	2	94V-2/BRASS	MATTE TIN OVER NICKEL
NO E.D.P.	-04A3	4		
NO E.D.P.	-06A3	6		
NO E.D.P.	-08A3	8		
NO E.D.P.	-10A3	10		
NO E.D.P.	-12A3	12		
NO E.D.P.	-14A3	14		
NO E.D.P.	-16A3	16		
NO E.D.P.	-18A3	18		
NO E.D.P.	-20A3	20		
NO E.D.P.	-22A3	22		
NO E.D.P.	A-42385-24A3	24	94V-2/BRASS	MATTE TIN OVER NICKEL
NO E.D.P.	A-42385-02A4	2	94V-2/BRASS	50 M.I. SEL. GOLD
15-24-3048	-04A4	4		
NO E.D.P.	-06A4	6		
NO E.D.P.	-08A4	8		
NO E.D.P.	-10A4	10		
NO E.D.P.	-12A4	12		
NO E.D.P.	-14A4	14		
NO E.D.P.	-16A4	16		
NO E.D.P.	-18A4	18		
NO E.D.P.	-20A4	20		
NO E.D.P.	-22A4	22		
NO E.D.P.	A-42385-24A4	24	94V-2/BRASS	50 M.I. SEL. GOLD
NO E.D.P.	A-42385-02B4	2	94V-0/BRASS	50 M.I. SEL. GOLD
NO E.D.P.	-04B4	4		
NO E.D.P.	-06B4	6		
NO E.D.P.	-08B4	8		
NO E.D.P.	-10B4	10		
NO E.D.P.	-12B4	12		
NO E.D.P.	-14B4	14		
NO E.D.P.	-16B4	16		
NO E.D.P.	-18B4	18		
NO E.D.P.	-20B4	20		
NO E.D.P.	-22B4	22		
NO E.D.P.	A-42385-24B4	24	94V-0/BRASS	50 M.I. SEL. GOLD
NO E.D.P.	A-42385-02C4	2	94V-2/P.B.	50 M.I. SEL. GOLD
NO E.D.P.	-04C4	4		
NO E.D.P.	-06C4	6		
NO E.D.P.	-08C4	8		
NO E.D.P.	-10C4	10		
NO E.D.P.	-12C4	12		
NO E.D.P.	-14C4	14		
NO E.D.P.	-16C4	16		
NO E.D.P.	-18C4	18		
NO E.D.P.	-20C4	20		
NO E.D.P.	-22C4	22		
NO E.D.P.	A-42385-24C4	24	94V-2/P.B.	50 M.I. SEL. GOLD

SEE SHEET 1
EC NO: UCP2011-1462 2010/11/18
DRWN: JAGUILAR 2010/11/18
CHKD: JBELL 2010/11/22
APPR: FSMITH
DESCRIPTION
REV
W5

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: RJF DATE: 1988/12/09
CHECKED BY: JTR DATE: 1988/12/09
APPROVED BY: FSMITH DATE: 2010/11/22

TITLE: RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-42385-*
SHEET NO.: 4 OF 4

SIZE C

tb_frame_C_P_AM_T
Rev. F 2009/06/18