

- NOTES:**
- 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.
  - 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. MATTE 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.
  - PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-5556-002.
  - TRAY PACK PER PK-42385-999.
  - PART MATES WITH MINI-FIT B.M.I. PLUG #42475 AND HEADERS 42404,42440,43810,43879, AND 44068
  - PHANTOM LINES INDICATE AREAS WHERE TERMINAL STANDOFFS CONTACT P.C. BOARD.
  - 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.
  - .016 IN/IN OR .016 MM/MM MAX. BOW ALLOWABLE AT DATUM  $\square$ -C-.
  - RIB MAY NOT BE PRESENT ON ALL PARTS.
  - DIMENSION TO BE USED FOR ALIGNMENT OF CIRCUIT #1 OF MATING CONNECTOR
  - CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
  - PARTS NOT DESIGNED FOR CURRENT SHARING.
  - 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 (UP TO (.100/2.54) MISALIGNMENT) 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 IT'S MATE TO MOVE INTO A STRESS-FREE POSITION AFTER MATING. IN BOARD TO BOARD APPLICATIONS, ONLY ONE HEADER IS ALLOWED PER P.C. BOARD.
  - 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)

**VIEW "A"**

**LEGEND:**

A - 42385 - \*\* \*\*

BASE NUMBER

CIRCUIT SIZE (02-24)

HOUSING AND TERMINAL MATERIAL (SEE NOTE 1.)

PLATING (SEE NOTE 2.)

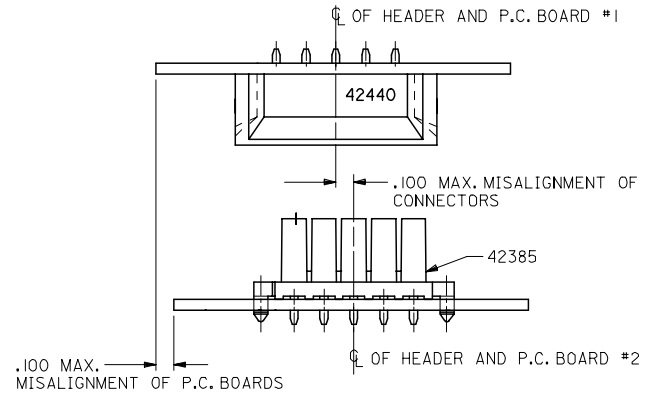
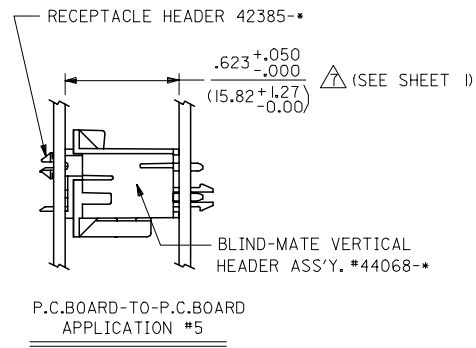
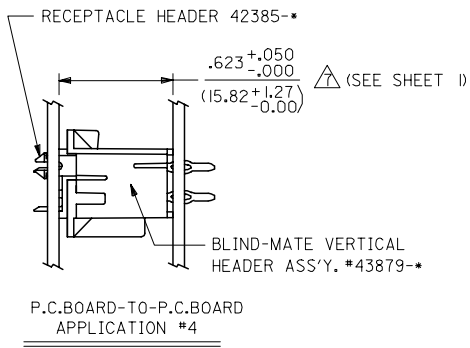
4	W3
3	W
2	W1
1	W3
SHEET	REV

ADD MATTE P/N EC NO: UCP2010-0089 DRWN:JBELL CHKD:JBELL APPR:FSMITH 2009/07/16 2009/07/22 2009/07/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE <b>IN/MM</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION																										
		<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES ± ---</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES ± ---</td> <td>± .010</td> <td>± .010</td> </tr> <tr> <td>2 PLACES ± 0.25</td> <td>± .015</td> <td>± .015</td> </tr> <tr> <td>1 PLACE ± 0.38</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES ± ---	± ---	± ---	3 PLACES ± ---	± .010	± .010	2 PLACES ± 0.25	± .015	± .015	1 PLACE ± 0.38	± ---	± ---	<table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>RJF</td> <td>1988/12/09</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>JTR</td> <td>1988/12/09</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>RAS</td> <td>1988/12/09</td> </tr> </tbody> </table>	DRAWN BY	DATE	RJF	1988/12/09	CHECKED BY	DATE	JTR	1988/12/09	APPROVED BY	DATE	RAS	1988/12/09	TITLE <b>RECEPTACLE HEADER ASSY          MINI-FIT SERIES          BLIND MATE</b>	MATERIAL NO. <b>SEE SHTS 3&amp;4</b>
	mm	INCH																														
4 PLACES ± ---	± ---	± ---																														
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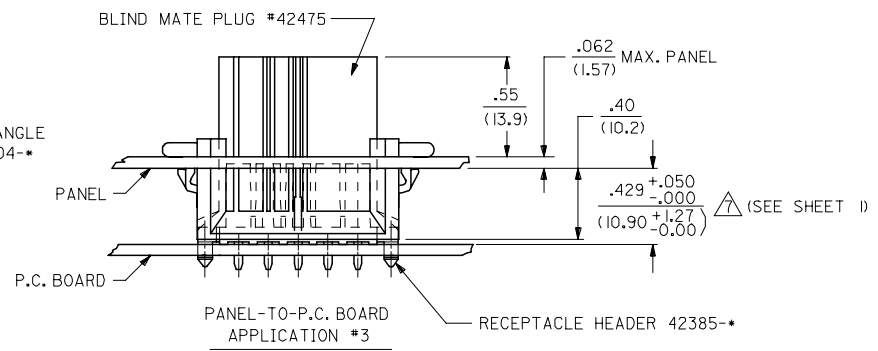
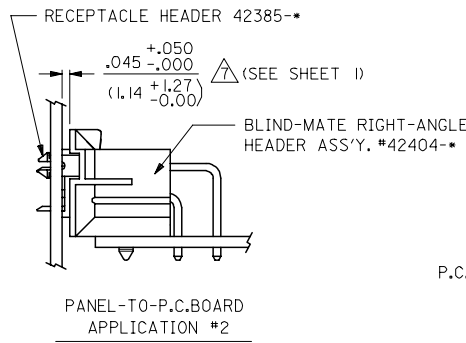
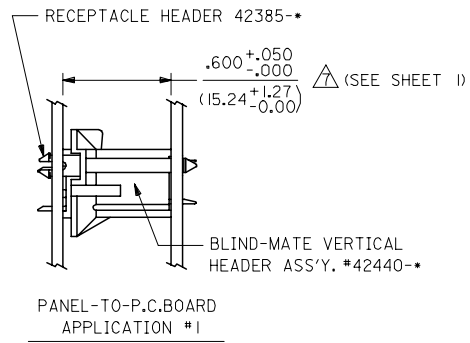
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ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT  
(NO CONNECTOR FLOAT)



SEE NOTE 13

<p>SEE SHEET 1</p> <p>EC NO: UCP2006-2258</p> <p>DRWN:ADRIANOL 2006/04/11</p> <p>CHKD:GPOUGAR 2006/04/11</p> <p>APPR:ICOMERC.L 2006/04/12</p> <p>W1</p>	<p>QUALITY SYMBOLS</p> <p>◻=0</p> <p>◻=0</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>DIMENSION STYLE</p> <p>IN/MM</p>		<p>SCALE</p> <p>4:1</p>	<p>DESIGN UNITS</p> <p>METRIC</p>	<p>THIRD ANGLE PROJECTION</p>	
		<p>4 PLACES ± --- ± ---</p>	<p>3 PLACES ± --- ±.015</p>	<p>DRAWN BY</p> <p>RJF</p>	<p>DATE</p> <p>1988/12/09</p>	<p>TITLE</p> <p>RECEPTACLE HEADER ASSY</p> <p>MINI-FIT SERIES</p> <p>BLIND MATE</p>			
		<p>2 PLACES ±0.38 ± ---</p>	<p>1 PLACE ± --- ± ---</p>	<p>CHECKED BY</p> <p>JTR</p>	<p>DATE</p> <p>1988/12/09</p>	<p>MATERIAL NO.</p> <p>SDA-42385-*</p>			
		<p>ANGULAR ±1/2°</p>		<p>APPROVED BY</p> <p>RAS</p>	<p>DATE</p> <p>1988/12/09</p>	<p>DOCUMENT NO.</p> <p>SDA-42385-*</p>			
<p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>				<p>SIZE</p> <p>C</p>		<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		<p>SHEET NO.</p> <p>2 OF 4</p>	

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

13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																						
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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	↑	↑																																																																																																																																																													
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NO E.D.P.	↑	↑ -08A2	8	↑	↑																																																																																																																																																													
15-24-7102	↑	↑ -10A2	10	↑	↑																																																																																																																																																													
NO E.D.P.	↑	↑ -12A2	12	↑	↑																																																																																																																																																													
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NO E.D.P.	A-42385-02B1	↑ -04B1	2	94V-0/BRASS	BRIGHT TIN OVER NICKEL							
15-24-7041	↑	↑	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	↑	↑	24	94V-0/BRASS	BRIGHT TIN OVER NICKEL							
NO E.D.P.	↑	↑	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	↑	↑	24	94V-0/BRASS	30 M.I. SEL. GOLD							
		W	SEE SHT. I.	K	SEE SHT. I.	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°						
		V1	SEE SHT. I.	G	SEE SHT. I.	3 PLACE ± --- METRIC						
		T6	SEE SHT. I.	F1	SEE SHT. I.	2 PLACE ± --- ± ---						
		T4	SEE SHT. I.	E1	SEE SHT. I.	1 PLACE --- ± ---						
		S	SEE SHT. I.	D1	SEE SHT. I.	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
		R3	SEE SHT. I.	A	SEE SHT. I.	DRWG. BY RJF	CHK'D. BY JTR	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				
		LTR.	REVISIONS	LTR.	REVISIONS	SCALE :	TITLE RECEPTACLE HEADER ASSEMBLIES (MINI-FIT B.M.I. SERIES)					