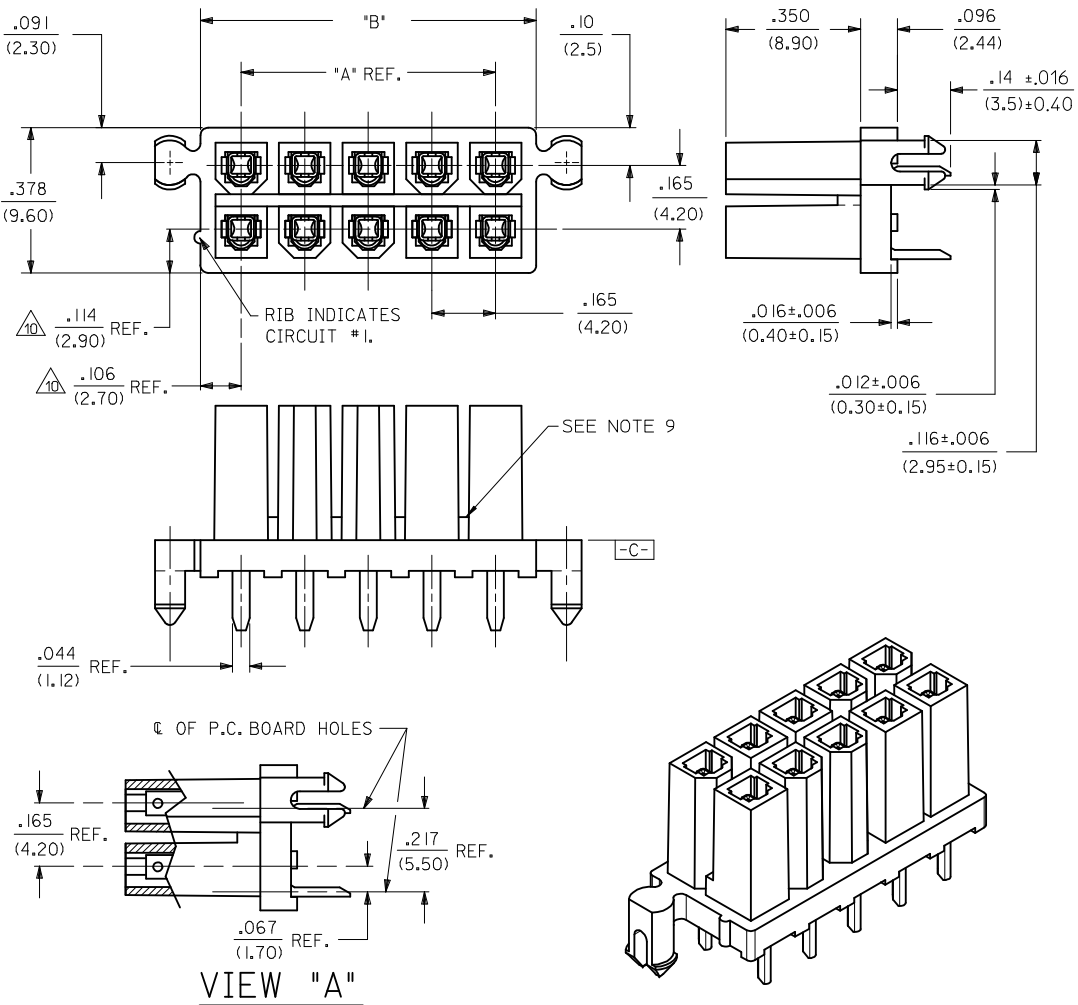


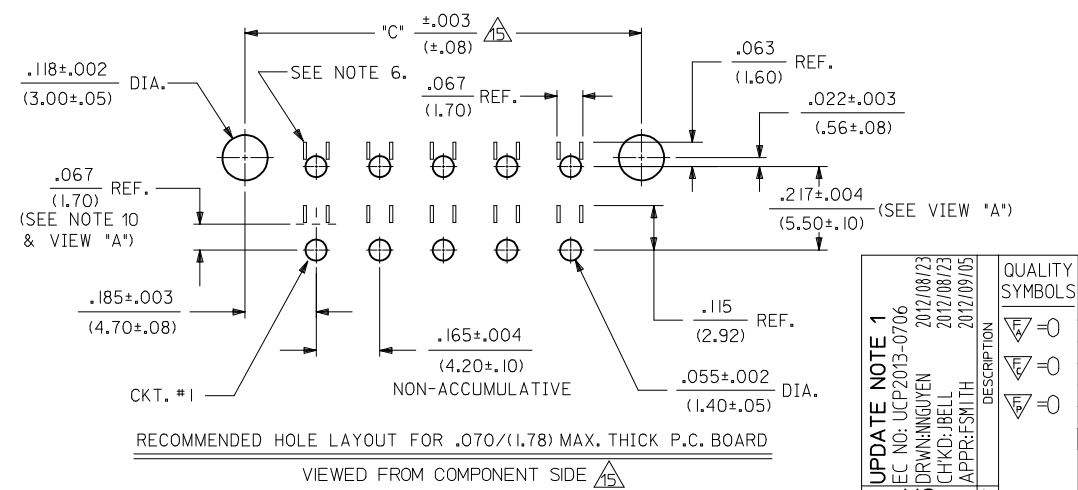


NOTES:

- 1) HOUSING AND TERMINAL MATERIAL:
A - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-2, COLOR NATURAL. TERMINAL: BRASS.
B - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-0, COLOR NATURAL. TERMINAL: BRASS.
C - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-2, COLOR NATURAL. TERMINAL: PHOS. BRONZE.
D - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-0, COLOR NATURAL. TERMINAL: PHOS. BRONZE.
- 2) TERMINAL PLATING:
1 - .000100/(.00254) MIN. MATTE 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.
4 - .000050/(.00127) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
- 3) PRODUCT SPECIFICATION: PS-5556-002.
- 4) TRAY PACK PER PK-42385-999.
- 5) PART MATES WITH MINI-FIT B.M.I. PLUG #42475 AND HEADERS 42404,42440,43810,43879, 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 $\square$ -C-.
- 9) RIB MAY NOT BE PRESENT ON ALL PARTS.
- 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 (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.
- 14) PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- 15) IT IS RECOMMENDED TO USE THE 42475 SERIES MATING PART NUMBER WITHOUT TERMINALS TO AID IN PCB INSERTION. INSERT THE 42385 PART INTO THE 42475 PART AND THEN INSERT INTO THE PCB.

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 - ** *

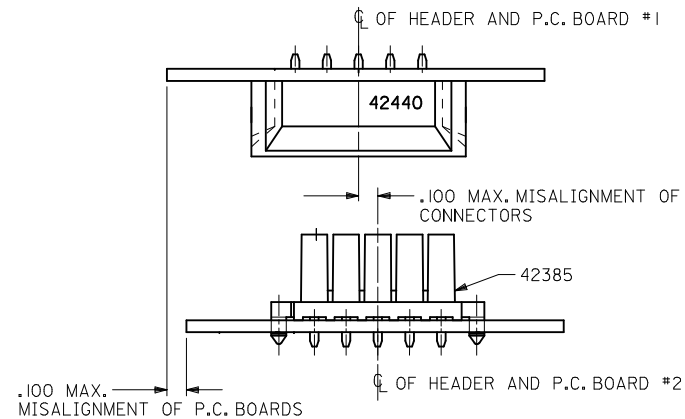
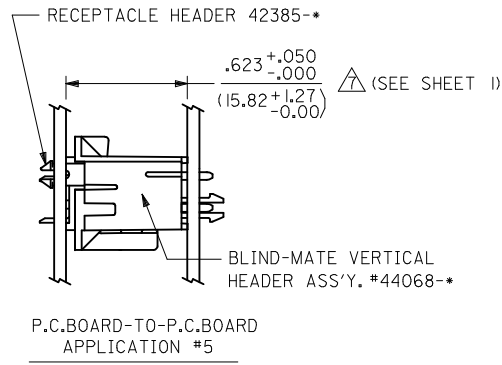
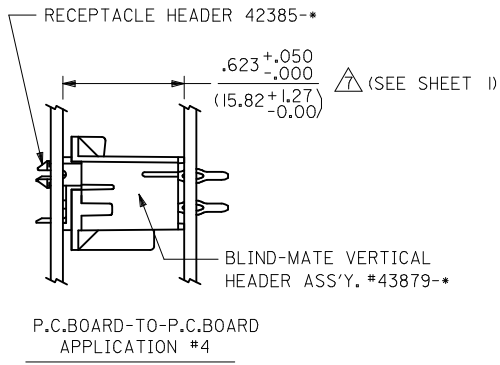
BASE NUMBER

CIRCUIT SIZE (02-24)

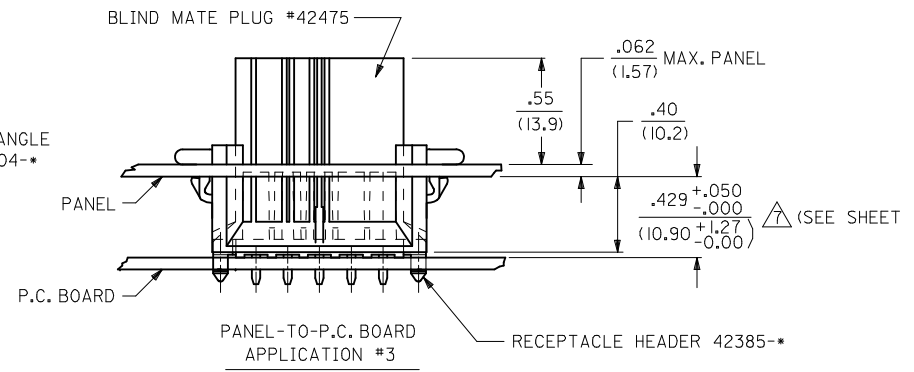
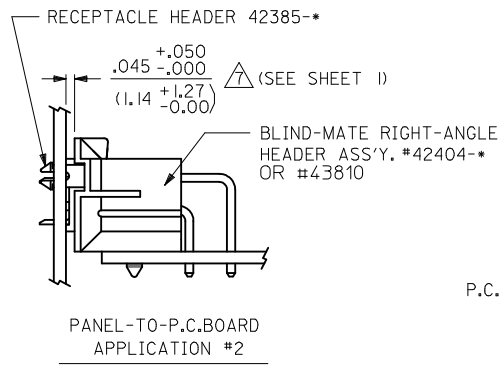
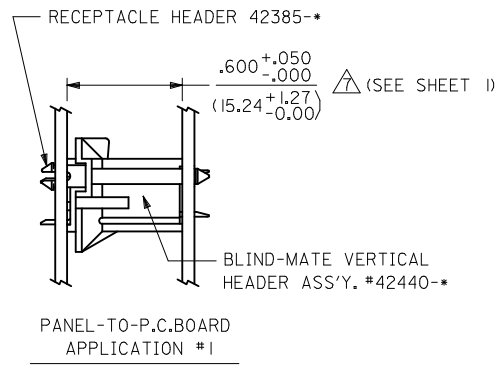
HOUSING AND TERMINAL MATERIAL (SEE NOTE 1.)

PLATING (SEE NOTE 2.)

UPDATE NOTE 1 EC NO: UCP2013-0706 2012/08/23 DRAWN: NGUYEN CHKD: J.BELL 2012/08/23 APPR: F.SMITH 2012/09/05	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY R JF	DATE 1988/12/09	TITLE RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE molex DOCUMENT NO. SDA-42385-* SHEET NO. 1 OF 4					
			4 PLACES	± ---	± ---	CHECKED BY JTR	DATE 1988/12/09						
			3 PLACES	± ---	± .010								
			2 PLACES	± 0.25	± .015	APPROVED BY FSMITH		DATE 2010/11/22					
			1 PLACE	± 0.38	± ---								
			0 PLACE	±	±	MATERIAL NO. SEE SHT 3-4							
X2	REV		ANGULAR ± 5 °		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										



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



SEE NOTE 13

SEE SHEET 1 EC NO: UCP2013-0706 2012/08/23 DRW:NGUYEN CHKD:JBELL 2012/08/23 APPR:FSMITH 2012/09/05	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE molex DOCUMENT NO. SDA-42385-* SHEET NO. 2 OF 4

SEE SHEET 1
EC NO: UCP2013-0706
2012/08/23
DRWN:NGUYEN
CHKD:JBELL
2012/08/23
APPR:FSMITH
2012/09/05

DESCRIPTION

REV

QUALITY SYMBOLS

▽

○

▽

○

▽

○

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .010

2 PLACES ± 0.25 ± .015

1 PLACE ± 0.38 ± ---

0 PLACE ± ±

DIMENSION STYLE

IN/MM

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

FSMITH 2010/11/22

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

RECEPTACLE HEADER ASSY
MINI-FIT SERIES
BLIND MATE

moLEX

SDA-42385-*

3 OF 4

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

SHEET NO.

3 OF 4

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERMINAL PLATING
NO E.D.P.	A-42385-02A1	2	94V-2/BRASS	MATTE TIN OVER NICKEL
I5-24-7040	▲ -04A1	4		▲
I5-24-7060	-06A1	6		
NO E.D.P.	-08A1	8		
I5-24-7100	-10A1	10		
NO E.D.P.	-12A1	12		
I5-24-7140	-14A1	14		
I5-24-7160	-16A1	16		
I5-24-7180	-18A1	18		
NO E.D.P.	-20A1	20		
NO E.D.P.	▼ -22A1	22	▼	▼
I5-24-7240	A-42385-24A1	24	94V-2/BRASS	MATTE TIN OVER NICKEL
NO E.D.P.	A-42385-02A2	2	94V-2/BRASS	30 M.I. SEL. GOLD
I5-24-7042	▲ -04A2	4	▲	▲
I5-24-7062	-06A2	6		
NO E.D.P.	-08A2	8		
I5-24-7102	-10A2	10		
NO E.D.P.	-12A2	12		
I5-24-7142	-14A2	14		
I5-24-7162	-16A2	16		
I5-24-7182	-18A2	18		
NO E.D.P.	-20A2	20		
NO E.D.P.	▼ -22A2	22	▼	▼
I5-24-7242	A-42385-24A2	24	94V-2/BRASS	30 M.I. SEL. GOLD
NO E.D.P.	A-42385-02C1	2	94V-2/P.B.	MATTE TIN OVER NICKEL
I5-24-7044	▲ -04C1	4	▲	▲
I5-24-7064	-06C1	6		
NO E.D.P.	-08C1	8		
I5-24-7104	-10C1	10		
NO E.D.P.	-12C1	12		
I5-24-7144	-14C1	14		
NO E.D.P.	-16C1	16		
I5-24-7184	-18C1	18		
NO E.D.P.	-20C1	20		
NO E.D.P.	▼ -22C1	22	▼	▼
I5-24-7244	A-42385-24C1	24	94V-2/P.B.	MATTE 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	MATTE TIN OVER NICKEL
I5-24-7041	▲ -04B1	4		▲
I5-24-7061	-06B1	6		
NO E.D.P.	-08B1	8		
I5-24-7101	-10B1	10		
NO E.D.P.	-12B1	12		
I5-24-7141	-14B1	14		
I5-24-7161	-16B1	16		
I5-24-7181	-18B1	18		
NO E.D.P.	-20B1	20		
NO E.D.P.	▼ -22B1	22	▼	▼
I5-24-7241	A-42385-24B1	24	94V-0,BRASS	MATTE TIN OVER NICKEL
NO E.D.P.	A-42385-02B2	2	94V-0,BRASS	30 M.I. SEL. GOLD
I5-24-7043	▲ -04B2	4	▲	▲
I5-24-7063	-06B2	6		
NO E.D.P.	-08B2	8		
I5-24-7103	-10B2	10		
NO E.D.P.	-12B2	12		
I5-24-7143	-14B2	14		
I5-24-7163	-16B2	16		
I5-24-7183	-18B2	18		
NO E.D.P.	-20B2	20		
NO E.D.P.	▼ -22B2	22	▼	▼
I5-24-7243	A-42385-24B2	24	94V-0,BRASS	30 M.I. SEL. GOLD
NO E.D.P.	A-42385-02D1	2	94V-0/P.B.	MATTE TIN OVER NICKEL
NO E.D.P.	▲ -04D1	4	▲	▲
NO E.D.P.	-06D1	6		
NO E.D.P.	-08D1	8		
I5-24-7105	-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.	MATTE 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	▲	▲
I5-24-7067	-06D2	6		
NO E.D.P.	-08D2	8		
I5-24-7107	-10D2	10		
NO E.D.P.	-12D2	12		
NO E.D.P.	-14D2	14		
NO E.D.P.	-16D2	16		
I5-24-7187	-18D2	18		
NO E.D.P.	-20D2	20		
NO E.D.P.	▼ -22D2	22	▼	▼
I5-24-7247	A-42385-24D2	24	94V-0/P.B.	30 M.I. SEL. GOLD

