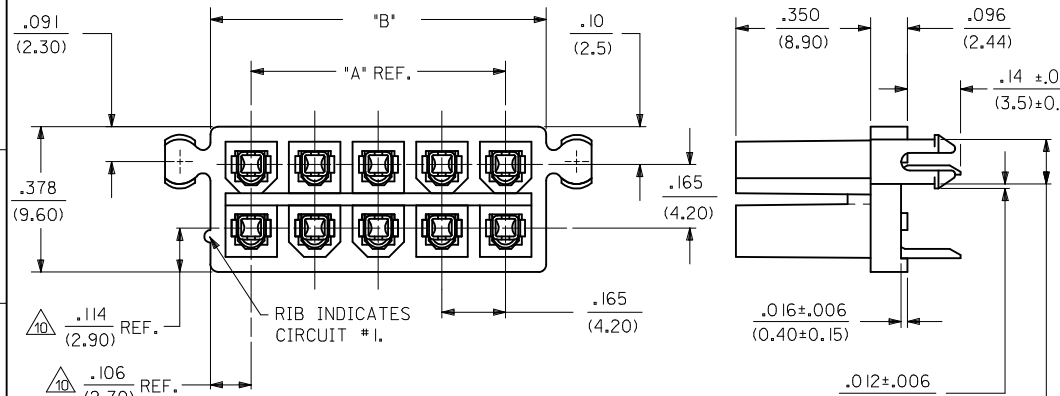
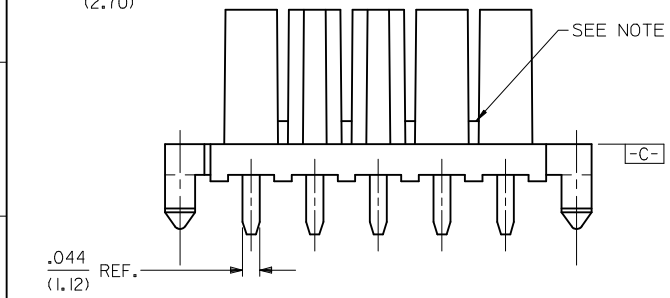
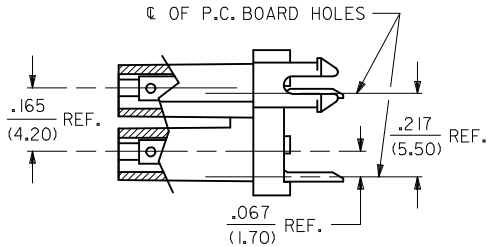
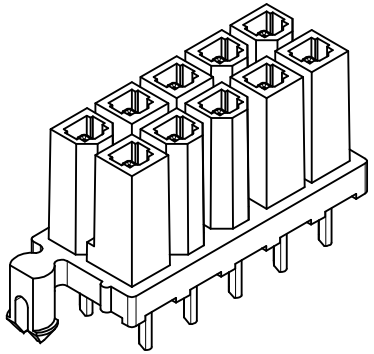
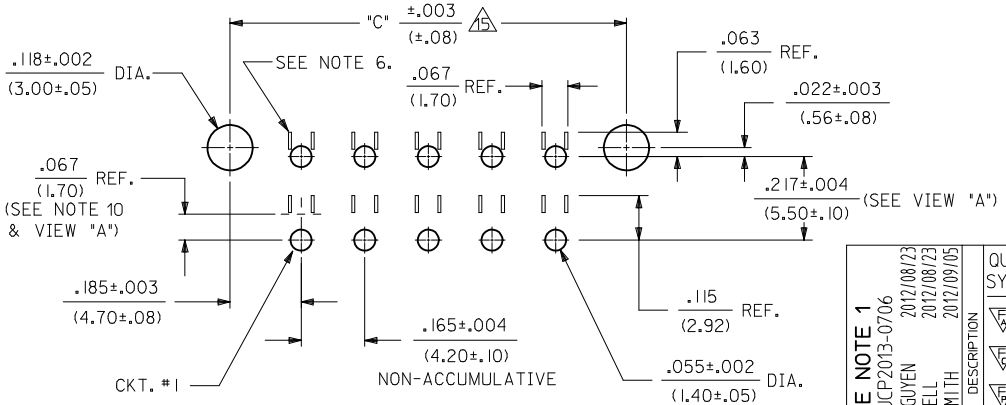






VIEW "A"





RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

VIEWED FROM COMPONENT SIDE 15

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 -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)

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
DRWN:NNGUYEN 2012/08/23
CHKD:JBELL 2012/09/05
APPR:FSMITH
DESCRIPTION
REV X2

QUALITY SYMBOLS
E =0
F =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

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 SHT 3-4	

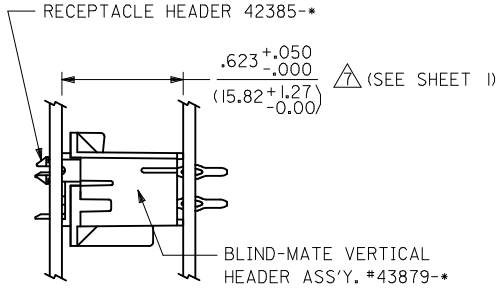
TITLE: RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE

molex

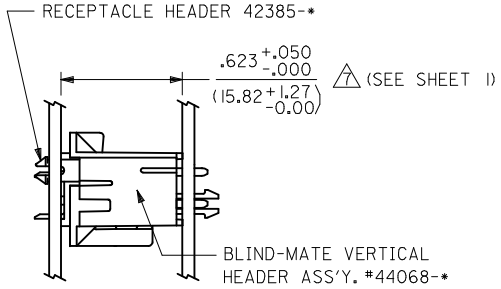
DOCUMENT NO. SDA-42385-*

SHEET NO. 1 OF 4

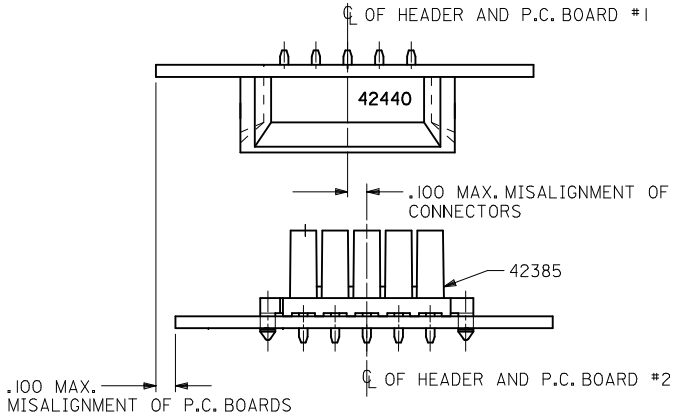
SIZE C



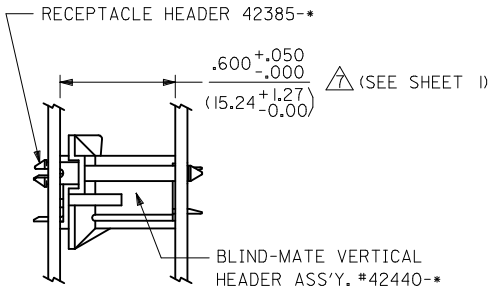
P.C.BOARD-TO-P.C.BOARD APPLICATION #4



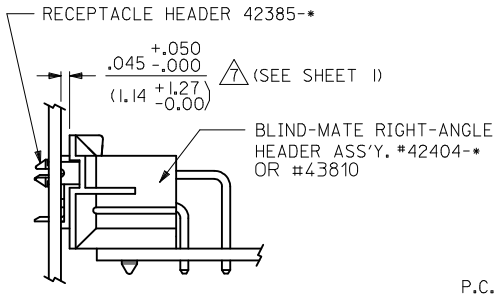
P.C.BOARD-TO-P.C.BOARD APPLICATION #5



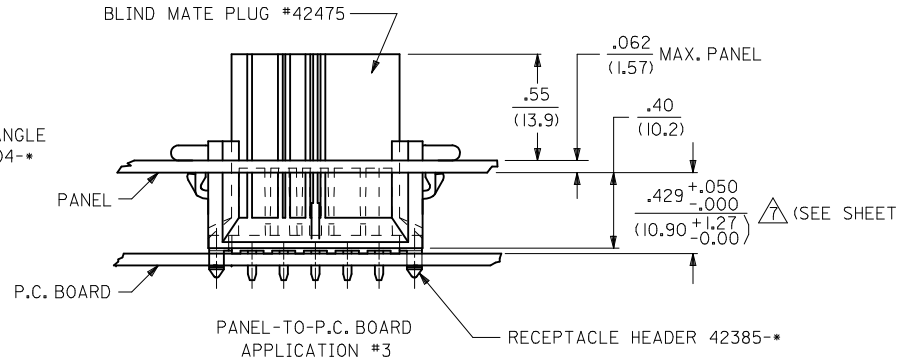
ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT (NO CONNECTOR FLOAT)



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: UCP2013-0706 DRWN:NNGUYEN 2012/08/23 CHKD:JBELL 2012/08/23 APPR:FSMITH 2012/09/05 X2	DESCRIPTION REV	QUALITY SYMBOLS FV=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± .010 2 PLACES ± 0.25 / ± .015 1 PLACE ± 0.38 / ± --- 0 PLACE ± / ± ANGULAR ± 5 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: IN/MM 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	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	

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
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	MATTE 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.	MATTE 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.	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
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	MATTE 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.	MATTE 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.	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		
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: UCP2013-0706
DRWN:NNGUYEN 2012/08/23
CH'KD:JBELL 2012/08/23
APPR:FSMITH 2012/09/05

X2

REV	DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE C

MATERIAL NO. SEE CHART

FSMITH 2010/11/22

DRAWN BY RJF 1988/12/09

CHECKED BY JTR 1988/12/09

APPROVED BY DATE

DIMENSION STYLE IN/MM

SCALE 1:1

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

TITLE
RECEPTACLE HEADER ASSY
MINI-FIT SERIES
BLIND MATE

DOCUMENT NO. SDA-42385-*

SHEET NO. 3 OF 4

molex

PART NUMBER	ENG. NUMBER	CKT. SIZE	HSG./TERM. MATERIAL	TERMINAL PLATING
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
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

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-42385-02B4	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

SEE SHEET 1

REV	DESCRIPTION	
X2	EC NO: UCP2013-0706	2012/08/23
	DRWN:NNGUYEN	2012/08/23
	CH'KD:JBELL	2012/09/05
	APPR:FSMITH	

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±
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

MATERIAL NO.: SEE CHART

DOCUMENT NO.: SDA-42385-*

SHEET NO.: 4 OF 4

SIZE: C