



Distributor of Molex Connector Corporation: Excellent Integrated System Limited
Datasheet of 0015247162 - Connector Receptacle 16 Position 0.165" (4.20mm) Gold Through Hole

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

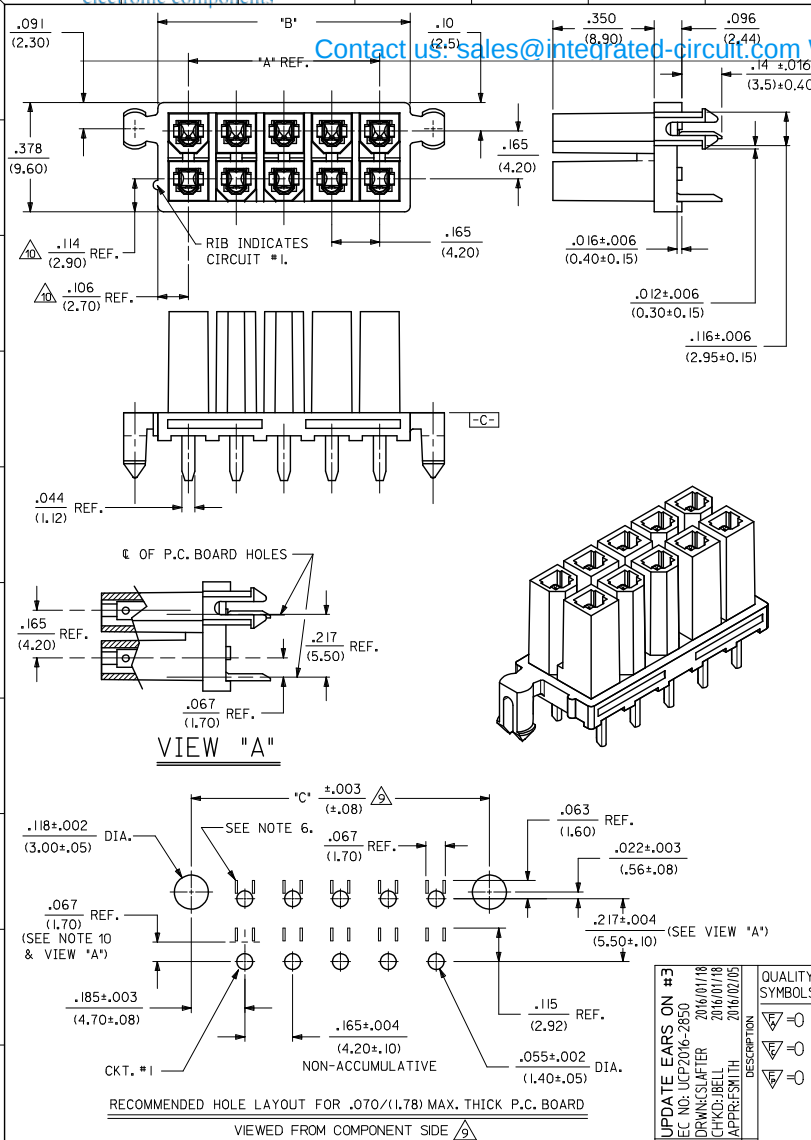
Stocking Distributor

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[Molex Connector Corporation](#)
[0015247162](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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.J. PLUG #42475

AND HEADERS 42404,42440,43810,43879, AND 44068

6) PHANTOM LINES INDICATE AREAS WHERE TERMINAL STANDOFFS CONTACT P.C. BOARD. NO EXPOSED TRACES OR VIAS ALLOWED NEAR THESE AREAS.

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) 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.

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.

LEGEND:

A - 42385 - ** *

BASE NUMBER

CIRCUIT SIZE (02-24)

HOUSING AND TERMINAL MATERIAL (SEE NOTE 1.)

PLATING (SEE NOTE 2.)

UPDATE EARS ON #3 EC NO: UCP2016-2850 DRAWN BY: JTF CHECKED BY: JTR APPROVED BY: F SMITH X4	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE		
	▽=0	4 PLACES ± .005	± .010	RJF	1988/12/09	RECEPTACLE HEADER ASSY		
	▽=0	3 PLACES ± .010	± .015	CHECKED BY	DATE	MINI-FIT SERIES		
	▽=0	2 PLACES ± .025	± .038	JTR	1988/12/09	BLIND MATE		
		1 PLACE ± .038	± .050	APPROVED BY	DATE	molex		
		0 PLACE ± .050	± .075	FSMITH	2010/11/22			
		ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHT 3-4		SDA-42385-*		1 OF 4
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

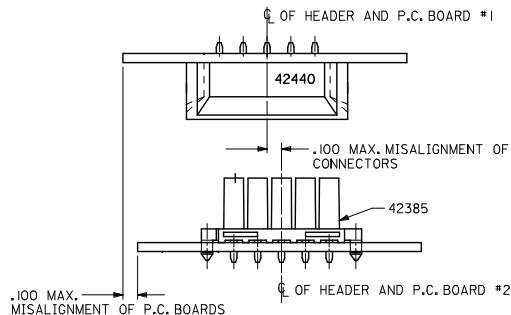
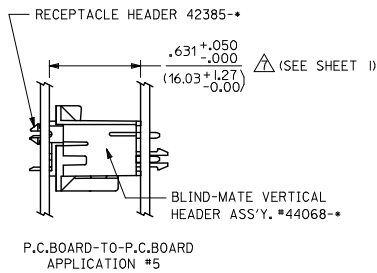
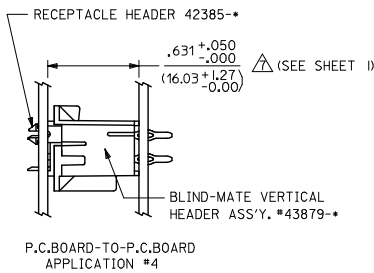
RECEPTACLE HEADER ASSY
MINI-FIT SERIES
BLIND MATE

molex

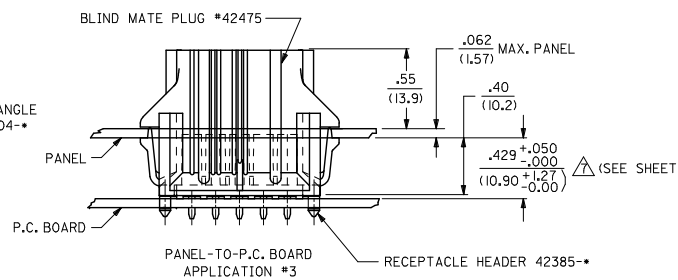
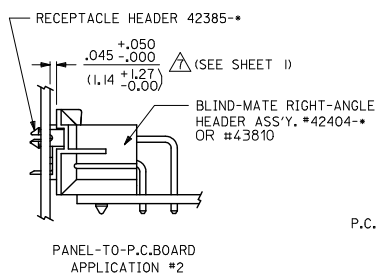
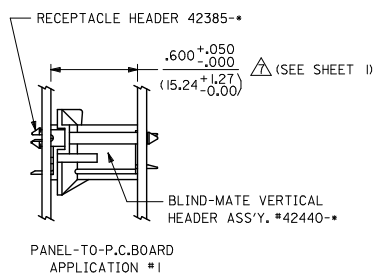
SDA-42385-*

1 OF 4

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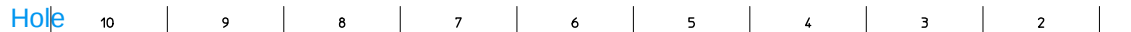


ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT
(NO CONNECTOR FLOAT)



SEE NOTE 13

SEE SHEET 1 EC NO: UC7206-2950 DRAWN BY: JLA/ER 2016/07/18 CHKD: BELL 2016/07/18 APPR: SM/TH 2016/07/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE molex SDA-42385-*	SHEET NO. 2 OF 4
					IN/MM		4:1	METRIC			
					DRAWN BY	DATE	TITLE				
					1988/12/09						
					CHECKED BY	DATE					
					JTR	1988/12/09					
					APPROVED BY	DATE					
					FSM/TH	2010/11/22					
					MATERIAL NO.	DOCUMENT NO.					
					SEE CHART						
X4	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



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tb_frame_C_P_AM_T
Rev. G 2012/01/11

[illegible]

SEE SHEET 1 EC NO: UC7206-2950 DRWNG CLAFER 2016/01/18 CHKD: BELL 2016/01/18 APPR: SMH 2016/02/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ±	±	RJF	DATE 1988/12/09	TITLE RECEPTACLE HEADER ASSY MINI-FIT SERIES BLIND MATE molex		
	▽=0	3 PLACES ±	±.010	CHECKED BY	DATE			
	▽=0	2 PLACES ±	±.025 ±.015	JTR	DATE 1988/12/09			
	▽=0	1 PLACE ±	±.038 ±	APPROVED BY	DATE			
		0 PLACE ±	±	FSM1TH	DATE 2010/11/22			
		ANGULAR ± 5 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE	SEE CHART		SDA-42385-*		4 OF 4	
		MUST REMAIN WITHIN DIMENSIONS	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	REV							