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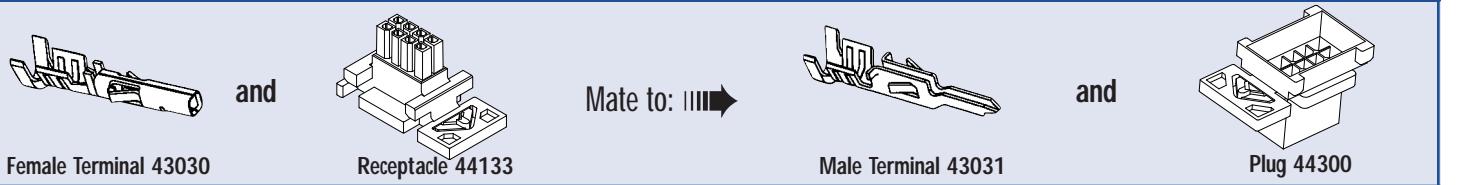


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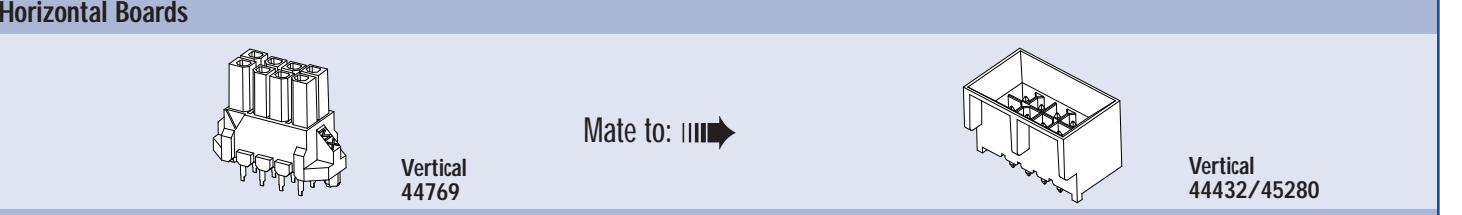
Wire-to-Wire BMI Connector System



Wire-to-Board BMI Connector System



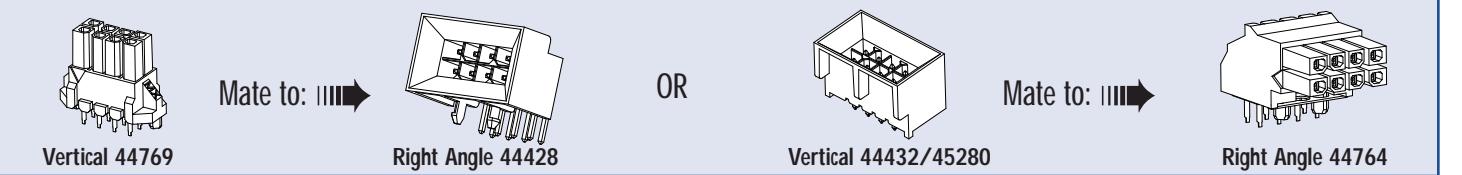
Board-to-Board BMI Connector System



Coplanar Boards



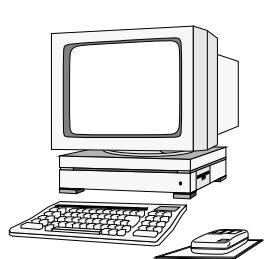
Right Angle Boards



MICRO-FIT 3.0 FAMILY APPLICATION EXAMPLES

- Personal Computers
- Mainframe Computers
- Handheld Computers
- Notebook PCs
- Fan Tray Assemblies
- Power Supplies

- Work Stations
- Satellites
- Cellular Telephones
- AC Power Line Cords
- Coffeemakers
- Fax Machines
- Vending Machines
- Pin Ball Machines
- Slot Machines
- Exercise Equipment
- Backplane Applications



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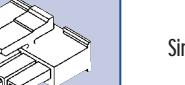
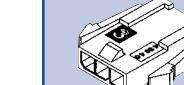
Visit our Web site at <http://www.molex.com>

- Fully isolated contacts
- Up to 5.0A per circuit
- Full polarization
- 250V AC rating
- Positive locks
- UL 94V-0, CSA, TUV approved

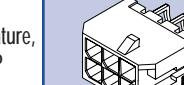
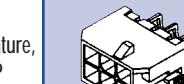
Crimp Terminals

	Description	Order No.		Wire Gauge	Plating
		Reel	Bag		
Female Terminal	43030-0001	43030-0007		20 - 24	Tin
	43030-0004	43030-0010		26 - 30	
	43030-0002	43030-0008		20 - 24	
	43030-0005	43030-0011		26 - 30	15 μ Gold
	43030-0003	43030-0009		20 - 24	
	43030-0006	43030-0012		26 - 30	30 μ Gold
Male Terminal	43031-0001	43031-0007		20 - 24	Tin
	43031-0004	43031-0010		26 - 30	
	43031-0002	43031-0008		20 - 24	
	43031-0005	43031-0011		26 - 30	15 μ Gold
	43031-0003	43031-0009		20 - 24	
	43031-0006	43031-0012		26 - 30	30 μ Gold

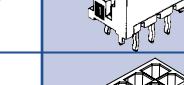
Crimp Housings

Description		Order No.	Material	Description		Order No.	Material
Receptacles (Use with 43030 terminals)				Plugs (Use with 43031 terminals)			
	Single Row	43645-XX00	Black Polyester		Single Row, Free Hanging	43640-XX01	Black Polyester
					Single Row, Panel Mount	43640-XX00	
	Dual Row	43025-XX00	Black Polyester		Dual Row, Free Hanging	43020-XX01	Black Polyester
					Dual Row, Panel Mount	43020-XX00	

Right Angle Headers

Single Row	Description	Order No.	Plating	Material	Dual Row	Description	Order No.	Plating	Material
	Surface Mount Compatible with Pegs	43650-XX00	Tin	High Temperature, Black LCP		Surface Mount Compatible with Pegs	43045-XX00	Tin	High Temperature, Black LCP
		43650-XX01	15 μ Gold				43045-XX01	15 μ Gold	
		43650-XX02	30 μ Gold				43045-XX02	30 μ Gold	
	SMT with Solderable Retention Clip	43650-XX09	Tin	High Temperature, Black LCP		SMT with Solderable Retention Clip	43045-XX06	Tin	High Temperature, Black LCP
		43650-XX10	15 μ Gold				43045-XX07	15 μ Gold	
		43650-XX11	30 μ Gold				43045-XX08	30 μ Gold	
	SMT with Solder Tabs	43650-XX12	Tin	High Temperature, Black LCP		SMT with Solder Tabs	43045-XX09	Tin	High Temperature, Black LCP
		43650-XX13	15 μ Gold				43045-XX10	15 μ Gold	
		43650-XX14	30 μ Gold				43045-XX11	30 μ Gold	

Vertical Headers

Single Row	Description	Order No.	Plating	Material	Dual Row	Description	Order No.	Plating	Material
	Surface Mount Compatible with Pegs	43650-XX15	Tin	High Temperature, Black LCP		Surface Mount Compatible with Pegs	43045-XX12	Tin	High Temperature, Black LCP
		43650-XX16	15 μ Gold				43045-XX13	15 μ Gold	
		43650-XX17	30 μ Gold				43045-XX14	30 μ Gold	
	SMT with Solderable Retention Clip	43650-XX21	Tin	High Temperature, Black LCP					

MICRO-FIT 3.0


**molex® 3.00mm (.118") Pitch
Micro-Fit 3.0™ Family**

The Micro-Fit 3.0 is a unique connector system that incorporates many of the features previously found only on large power connectors. These connectors are the perfect choice when you need compact connectors that can carry up to 5.0A of current. Micro-Fit 3.0 is available in circuit sizes 2 to 24 for wire-to-board and wire-to-wire applications. With more than 500 part numbers and still growing, this expansive product line offers through hole and SMT options. SMT versions are available in tape and reel packaging for robotic placement on the PCB.

Wire-to-Wire Single Row Connector System



Wire-to-Board Single Row Connector System



Wire-to-Wire Dual Row Connector System



Wire-to-Board Dual Row Connector System

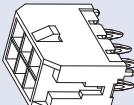


MICRO-FIT 3.0, CPI AND MICRO-FIT 3.0, BMI CPI

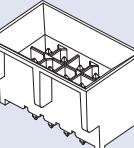
The Micro-Fit 3.0, CPI (Compliant Pin Interface) and Micro-Fit 3.0, BMI CPI (Blind Mate Version with Compliant Pin Interface) are vertical header product extensions featuring press-fit PC tails.

- CPI style (Press-Fit) pins require no soldering to the PCB
- 2.36mm (.093") minimum PCB thickness

Standard CPI

	Description	Order No.	Plating	Material
	Standard Vertical CPI	44914-XX01	Tin	High Temperature, Black LCP
		44914-XX02	12 μ " Gold	
		44914-XX03	30 μ " Gold	

BMI CPI

	Blind Mate Vertical CPI	45280-XX01	Tin	High Temperature, Black Glass-Filled Nylon
		45280-XX02	12 μ " Gold	
		45280-XX03	30 μ " Gold	

MICRO-FIT 3.0, BMI

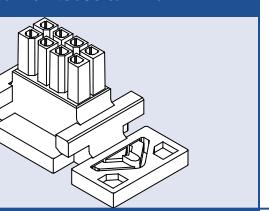
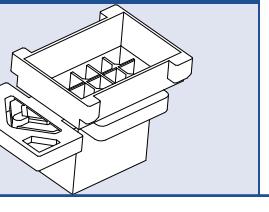

**molex® 3.00mm (.118") Pitch
Micro-Fit 3.0™ Family**

Micro-Fit 3.0, BMI™ (Blind Mate Interface) features an innovative panel mounting design that securely locks the plugs and receptacles in place in the panel cutout, while allowing for removal. The plugs and headers feature a funnel entry to guide the mating receptacle or receptacle header into place. Micro-Fit 3.0, BMI housings and headers mate exclusively with the BMI components shown here.

- Full polarization
- Fully isolated contacts
- Dual row
- Sizes 4 to 24 circuits
- Up to 5.0A per circuit
- Up to 1500V AC dielectric withstand voltage
- UL 94V-0, CSA, TUV approved

Crimp Housings

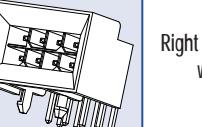
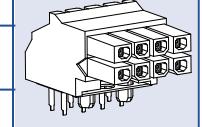
- Use standard Micro-Fit terminals
- Receptacle floats in panel cutout up to 1.27mm (.050") in any direction
- Can be utilized with BMI board-to-board connectors
- Panel thickness: 1.57mm (.062")

	Description	Order No.	Material
	Panel Mount Receptacle	44133-XX00	Black, Polyester
	Panel Mount Plug	44300-XX00	Black, Polyester

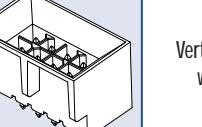
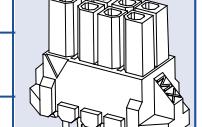
Headers

- Can be utilized with BMI wire-to-wire connectors
- 1.57mm (.062") PCB thickness
- Surface mount compatible (SMC)
- Black, glass filled nylon housings

Right Angle

	Description	Order No.	Plating		Description	Order No.	Plating
	Right Angle Header with Pegs	44428-XX01	Tin		Right Angle Receptacle	44764-XX01	Tin
		44428-XX02	15 μ " Gold	44764-XX02		15 μ " Gold	
		44428-XX03	30 μ " Gold	44764-XX03		30 μ " Gold	

Vertical

	Vertical Header with Pegs	44432-XX01	Tin		Vertical Receptacle	44769-XX01	Tin
		44432-XX02	15 μ " Gold			44769-XX02	15 μ " Gold
		44432-XX03	30 μ " Gold			44769-XX03	30 μ " Gold

Replace XX with number of circuits, 04 to 24



PRODUCT SPECIFICATION

MICRO-FIT BMI FLOATING CONNECTOR SYSTEM

1.0 SCOPE

This Product Specification covers the 3.00 mm (.118 inch) centerline (pitch) connector system terminated with 20 to 30 AWG wire using crimp technology with tin plating.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBERS

Micro-Fit Dual Row BMI Floating Receptacle: 44133

Female Crimp Terminal: 43030

Micro-Fit Dual Row BMI Panel Mount Plug: 44300

Male Crimp Terminal: 43031

Micro-Fit Dual Row BMI Receptacle: 44764 and 44769

Micro-Fit Dual Row BMI Headers: 44428 and 44432

Micro-Fit Dual Row BMI Vertical CPI Header : 45280

Test Plug: 44242 (recommended for continuity testing only)

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Crimp Terminals: Phosphor Bronze

Receptacle and Plug: Polyester

Headers: High Temp Nylon

Pins: Brass, Modified Tin/Brass, Phosphor Bronze

2.3 SAFETY AGENCY APPROVALS

UL File Number:.... E29179

CSA:..... LR19980

TUV.....72040445

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

Test Summary: TS-43045-001

4.0 RATINGS

4.1 VOLTAGE

UL : 250 Volts AC (MAX) {or 176 Volts DC}

TUV : 250Volts

4.2 CURRENT AND APPLICABLE WIRES

AWG	Amps	Outside Insulation Diameter
20	5	1.85 mm (.073 inch)
22	5	1.85 mm (.073 inch)
24	4	1.85 mm (.073 inch)
26	3	1.27 mm (.050 inch)
28	2	1.27 mm (.050 inch)
30	1	1.27 mm (.050 inch)

4.2.1 CURRENT FOR TEST PLUG 44242

2.5 Amps Maximum (Pogo pin current capacity)

(Test plugs are for testing purposes only and not intended for continuous use.)

4.3 TEMPERATURE

Operating: -40°C to +105°C (Including Terminal Temperature Rise)

Nonoperating: -40°C to +105°C

REVISION: K	Add 8.3 EC No: UCP2007-0365 DATE: 2006/08/08	<u>TITLE:</u> PRODUCT SPECIFICATION Micro-Fit (3.0) BMI Floating Connector System	<u>SHEET No.</u> 1 of 7
DOCUMENT NUMBER: PS-44300-001	CREATED / REVISED BY: M.KIPPER	CHECKED BY: S.SOUSEK	APPROVED BY: F.SMITH



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.	10 milliohms MAXIMUM [initial]
Contact Resistance @ Rated Current	Mate connectors: apply a maximum voltage of 20 mV at rated current.	30 milliohms MAXIMUM [initial]
Contact Resistance of Wire Termination (Low Level)	Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA.	5 milliohms MAXIMUM [initial]
Insulation Resistance	Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
Dielectric Withstanding Voltage	Unmate connectors: apply a voltage of {two times the rated voltage plus 1000 volts} VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown; current leakage < 5 mA
Capacitance	Measure between adjacent terminals at 1 MHz.	2 picofarads MAXIMUM
Temperature Rise (via Current Cycling)	Mate connectors: measure the temperature rise at the rated current after: 96 hours OR 240 hours (45 minutes ON and 15 minutes OFF per hour).	Temperature rise: +30°C MAXIMUM

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Connector Mate and Unmate Forces	Mate and unmate connector (male to female) at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute. (per circuit) (Gage dimensions in Section 7.0)	8.0 N (1.8 lbf) MAXIMUM insertion force & 3.7 N (0.8 lbf) MINIMUM withdrawal force
Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	24.5 N (5.5 lbf) MINIMUM retention force

REVISION: K	Add 8.3 EC No: UCP2007-0365 DATE: 2006/08/08	TITLE: PRODUCT SPECIFICATION Micro-Fit (3.0) BMI Floating Connector System	SHEET No. 2 of 7
DOCUMENT NUMBER:	PS-44300-001	CREATED / REVISED BY: M.KIPPER	CHECKED BY: S.SOUSEK APPROVED BY: F.SMITH



PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Pin Retention Force (in Header)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	13.3 N (3.0 lbf) MINIMUM retention force
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch).	14.7 N (3.3 lbf) MAXIMUM insertion force
Durability	Mate connectors up to 30 cycles for tin or gold at a maximum rate of 10 cycles per minute prior to Environmental Tests.	10 milliohms MAXIMUM (change from initial)
Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
Shock (Mechanical)	Mate connectors and shock at 50 g's with $\frac{1}{2}$ sine wave (11 milliseconds) shocks in the $\pm X, \pm Y, \pm Z$ axes (18 shocks total).	10 milliohms MAXIMUM (change from initial)] & Discontinuity < 1 microsecond
Wire Pullout Force (Axial) Wire to Terminal	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch).	20 Awg: 57.9 N (13.0 lbf) 22 Awg: 35.5 N (8.0 lbf) 24 Awg: 26.6 N (6.0 lbf) 26 Awg: 13.3 N (3.0 lbf) 28 Awg: 8.9 N (2.0 lbf) 30 Awg: 6.6 N (1.5 lbf) MINIMUM pullout force
Normal Force	Apply a perpendicular force.	2.7 N (0.6 lbf) MINIMUM
Panel Retention Forces	Insert and withdraw a connector at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	200 N (45 lbf) MINIMUM withdrawal force
Fretting Corrosion (Hammer Shock)	Mate connectors: strike test platform at a rate of 10 cycles per minute with a 0.98 N (100 gram) hammer for 20,000 cycles.	10 milliohms MAXIMUM (change from initial)
Compliant Pin Insertion Force into PCB Hole (45280 Series)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch).	106.7 N (24 lbf) MAXIMUM Insertion force (Per Terminal)
Compliant Pin Retention Force in PCB Hole (45280 Series)	Apply an axial extraction force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch).	35.6 N (8 lbf) MINIMUM Retention force (Per Terminal)

REVISION: K	Add 8.3 EC No: UCP2007-0365 DATE: 2006/08/08	<u>TITLE:</u> PRODUCT SPECIFICATION Micro-Fit (3.0) BMI Floating Connector System	<u>SHEET No.</u> 3 of 7
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<small>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</small>			



PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT										
Fretting Corrosion (Thermal Shock)	Mate connectors: expose for 1,000 cycles between temperatures 25 and 85°C; dwell 0.5 hours at each temperature. {Note: Remove surface moisture and air dry for 1 hour prior to measurements; monitor low level contact resistance every 250 cycles.}	10 milliohms MAXIMUM (change from initial)										
Shock (Thermal)	Mate connectors; expose to 5 cycles of: <table><thead><tr><th>Temperature °C</th><th>Duration (Minutes)</th></tr></thead><tbody><tr><td>-40 +0/-3</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr><tr><td>+105 +3/-0</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr></tbody></table>	Temperature °C	Duration (Minutes)	-40 +0/-3	30	+25 ±10	5 MAXIMUM	+105 +3/-0	30	+25 ±10	5 MAXIMUM	10 milliohms MAXIMUM (change from initial)
Temperature °C	Duration (Minutes)											
-40 +0/-3	30											
+25 ±10	5 MAXIMUM											
+105 +3/-0	30											
+25 ±10	5 MAXIMUM											
Thermal Aging	Mate connectors; expose to: 96 hours at $105 \pm 2^\circ\text{C}$ or 500 hours at $85 \pm 2^\circ\text{C}$	10 milliohms MAXIMUM (change from initial)										
Humidity (Steady State)	Mate connectors: expose to a temperature of $85 \pm 2^\circ\text{C}$ with a relative humidity of 90-95% for 96 hours. Note: Remove surface moisture and air dry for 1 hour prior to measurements.	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM										
Humidity (Cyclic)	Mate connectors: cycle per EIA-364-31: 10 cycles at temperature $25 \pm 3^\circ\text{C}$ at $80 \pm 5\%$ relative humidity and $65 \pm 3^\circ\text{C}$ at $50 \pm 5\%$ relative humidity; dwell time of 1.0 hour; ramp time of 0.5 hours. {Note: Remove surface moisture and air dry for 1 hour prior to measurements.}	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM										

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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)
Solder Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: 260°C MAX (This simulates a Wave Solder Process)	Visual: No Damage to insulator material
Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^\circ\text{C}$	10 milliohms MAXIMUM (change from initial)
Corrosive Atmosphere: Flowing Mixed Gas (FMG)	Mate connectors: Test per EIA-364-65, method 2A	10 milliohms MAXIMUM (change from initial)

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage per the packaging specifications listed below:

BMI Floating Receptacle: PK-44133-001
BMI Panel Mount Plug: PK-44300-001
BMI Receptacles: PK-44764-001, PK-44769-001
BMI Headers: PK-44428-001, PK-44432-001
BMI Vertical CPI Header: PK-44432-001

7.0 GAGES AND FIXTURES

It is recommended that test plugs (Series 44242) be used for continuity testing of receptacles. Standard mating parts should not be used for continuity testing.

8.0 CONNECTOR ALIGNMENT

See next sheet

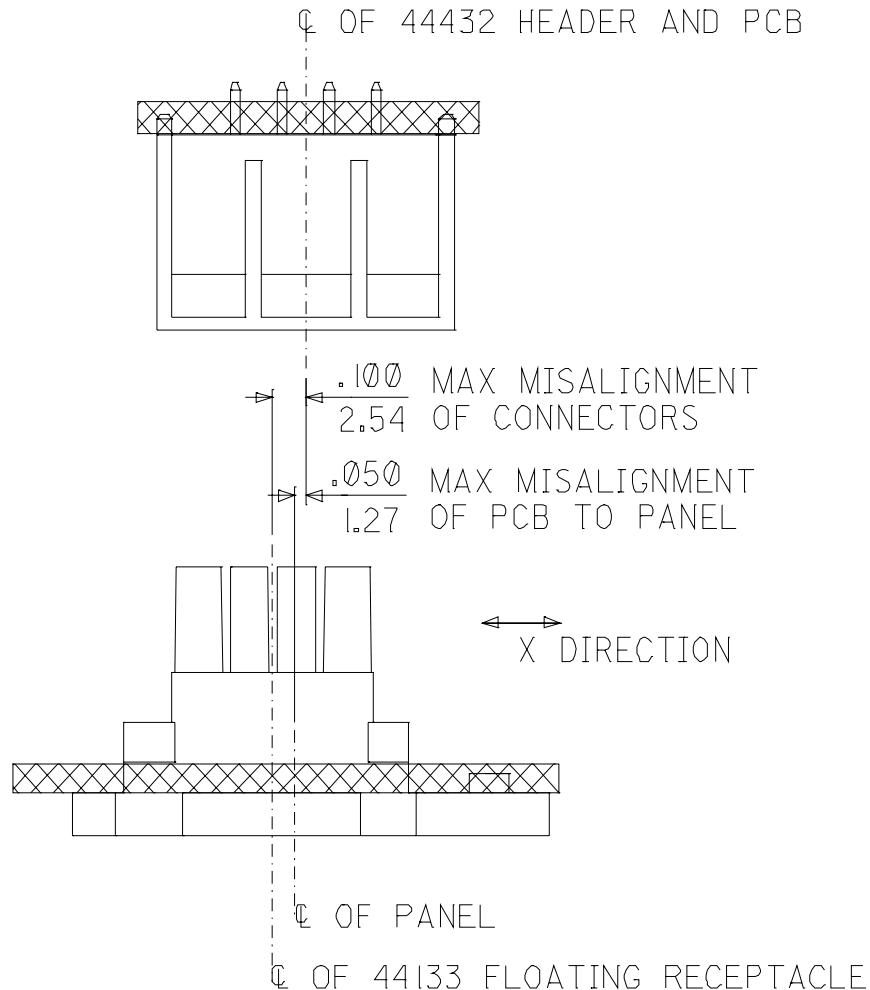
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PRODUCT SPECIFICATION

8.0 CONNECTOR ALIGNMENT

8.1 Misalignment applies to "X" and "Y" directions

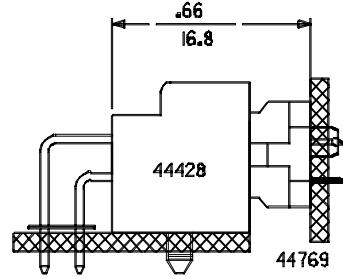
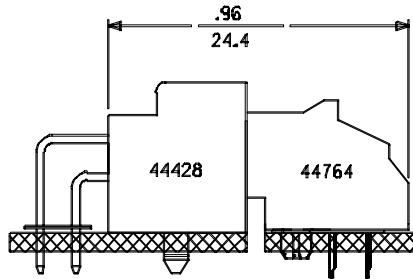
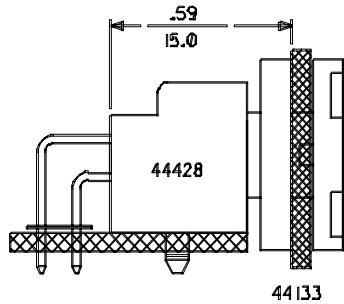
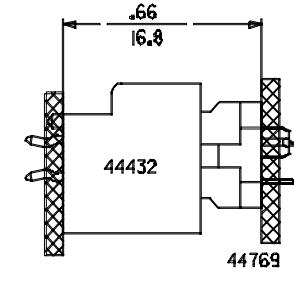
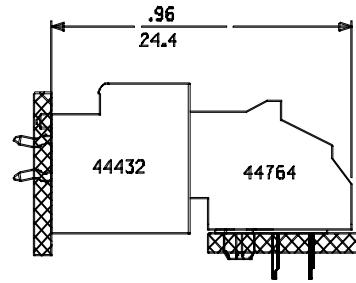
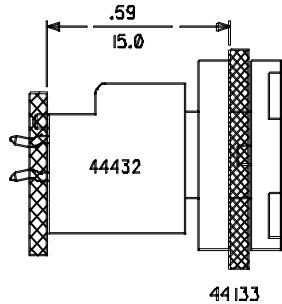
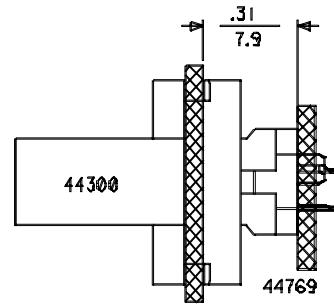
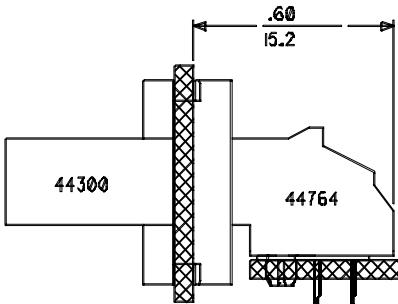
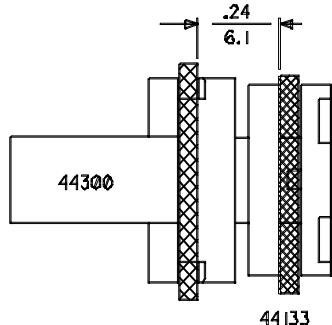


REVISION: K	Add 8.3 EC No: UCP2007-0365 DATE: 2006/08/08	TITLE: PRODUCT SPECIFICATION Micro-Fit (3.0) BMI Floating Connector System	<u>SHEET No.</u> 6 of 7
DOCUMENT NUMBER: PS-44300-001	CREATED / REVISED BY: M.KIPPER	CHECKED BY: S.SOUSEK	APPROVED BY: F.SMITH



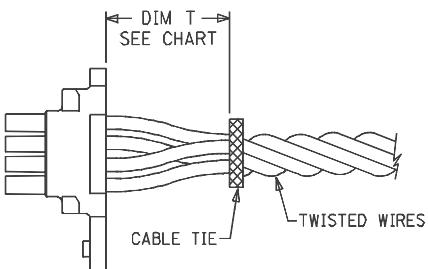
PRODUCT SPECIFICATION

8.2 Mated Dimensions



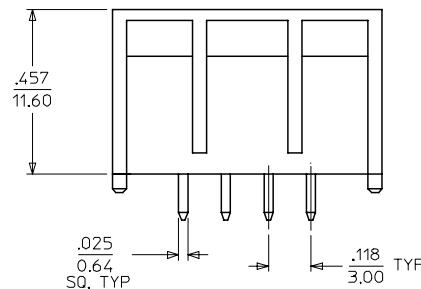
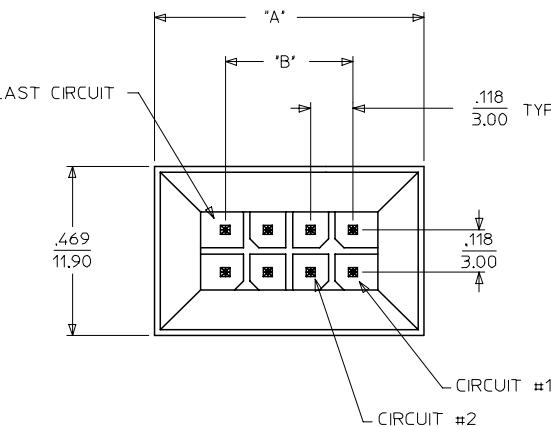
8.3 TIE WRAP AND/OR WIRE TWISTING PLACEMENT

CKT Sizes	Dim T Min.
2-8	.500 (12.70)
10-16	.750 (19.10)
18-24	1.000 (25.40)



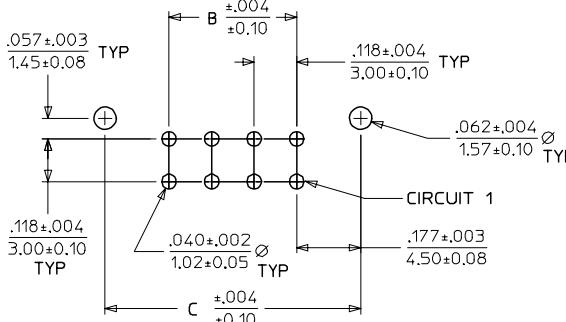
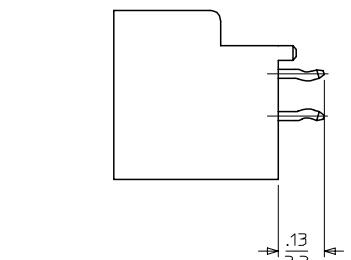
REVISION: K	EC No: UCP2007-0365	TITLE: PRODUCT SPECIFICATION Micro-Fit (3.0) BMI Floating Connector System	SHEET No. 7 of 7
DATE: 2006/08/08	DOCUMENT NUMBER: PS-44300-001	CREATED / REVISED BY: M.KIPPER	CHECKED BY: S.SOUSEK APPROVED BY: F.SMITH

CIRCUIT SIZE	"A"	"B"	C
04	.512 13.00	.118 3.00	.472 12.00
06	.630 16.00	.236 6.00	.590 15.00
08	.748 19.00	.354 9.00	.709 18.00
10	.866 22.00	.472 12.00	.827 21.00
12	.984 25.00	.590 15.00	.945 24.00
14	28.00 1,102	18.00 .709	27.00 1,063
16	1,220 31.00	.827 21.00	1,181 30.00
18	1,338 34.00	.945 24.00	1,299 33.00
20	1,457 37.00	1,063 27.00	1,417 36.00
22	1,575 40.00	1,181 30.00	1,535 39.00
24	1,693 43.00	1,299 33.00	1,653 42.00



NOTES :

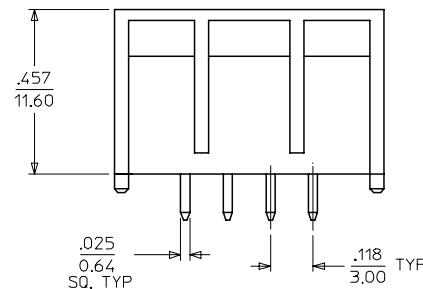
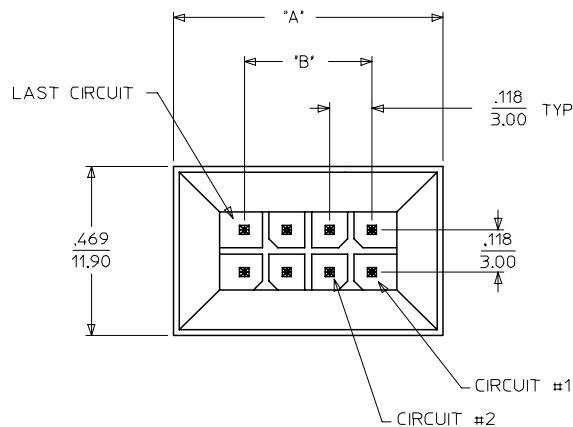
1. MATERIALS -
HOUSING : NYLON , GLASS-FILLED, UL94V-0 COLOR - BLACK
TERMINAL : BRASS ALLOY
 2. FINISH:
A = .000200/(0.00508) MIN. TIN OVER .000050/(0.00127) MIN. NICKEL.
B = .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA,
 .000100/(0.00254) MIN. SELECT TIN ON SOLDER TAILS,
 BOTH OVER .000050/(0.00127) MIN. NICKEL.
C = .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA,
 .000100/(0.00254) MIN. SELECT TIN ON SOLDER TAILS,
 BOTH OVER .000050/(0.00127) MIN. NICKEL.
* THE PRIMARY SHIPPING CARTON WILL BE LABELED 'COMPLIANT TO
 ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.
 CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN/LEAD
 IN THE PC TAIL AREA.
 3. PRODUCT SPECIFICATION : PS-44300-001
 4. PACKAGING SPECIFICATION : PK-44432-001
 5. THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE
(SEE DRAWING SD-44133-001) & FEMALE CRIMP TERMINAL (SEE DRAWING SD-430
 6. SEE SHEET 2 FOR PART NUMBER CHART.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS .062/1.57

LEAD FREE		GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	④ □ THIRD ANGLE PROJECTION		REVISE ON CAD ONLY							
EC NO: UCP204-1228 DRAWN: ICEENY 2004/03/12 CHKD: 2004/03/12 APPR: F-SMITH 2004/04/05		<table border="1" style="width: 100px; height: 100px; border-collapse: collapse;"> <tr><td style="width: 50px; height: 50px; background-color: black; color: white; text-align: center;">▼ = 0</td><td style="width: 50px; height: 50px; background-color: black; color: white; text-align: center;">C = 0</td></tr> <tr><td colspan="2" style="text-align: center;">DRAFT WHERE APPLICABLE</td></tr> <tr><td colspan="2" style="text-align: center;">MUST REMAIN WITHIN DIMENSIONS</td></tr> </table>		▼ = 0	C = 0	DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE IN/MM DRAWN BY MUELLER 1999/11/29 CHECKED BY MUELLER 1999/11/29 APPROVED BY EDGLEY 1999/11/30 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		TITLE MICRO FIT (3.0) DUAL ROW VERTICAL BMI HEADER ASS'Y  MOLEX INCORPORATED		SHEET NO. 1 OF 2	
▼ = 0	C = 0														
DRAFT WHERE APPLICABLE															
MUST REMAIN WITHIN DIMENSIONS															
ANGULAR $\pm 1/2^\circ$															

13 12 11 10 9 8 7 6 5 4 3 2 44432



NOTES :

1. MATERIALS -

HOUSING : NYLON , GLASS-FILLED, UL94V-0 COLOR - BLACK
TERMINAL : BRASS ALLOY
2. FINISH:

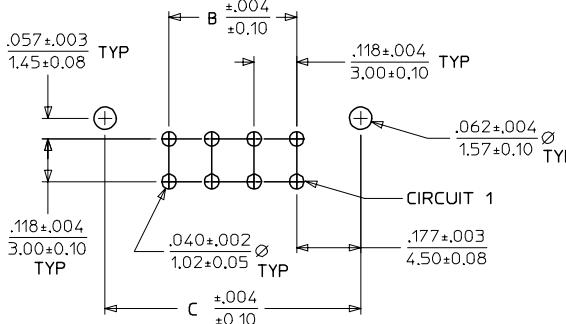
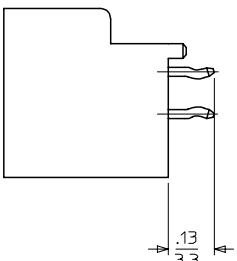
A = .000200/(0.00508) MIN. TIN OVER .000050/(0.00127) MIN. NICKEL.
B = .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA,
.000100/(0.00254) MIN. SELECT TIN ON SOLDER TAILS;
BOTH OVER .000050/(0.00127) MIN. NICKEL.
3. C =

.000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA,
.000100/(0.00254) MIN. SELECT TIN ON SOLDER TAILS;
BOTH OVER .000050/(0.00127) MIN. NICKEL.

* THE PRIMARY SHIPPING CARTON WILL BE LABELED 'COMPLIANT TO
RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.'
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN/LEAD
IN THE PC TAIL AREA.

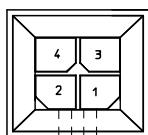
3. PRODUCT SPECIFICATION : PS-44300-001
4. PACKAGING SPECIFICATION : PK-44432-001
5. THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE
(SEE DRAWING SD-44133-001) & FEMALE CRIMP TERMINAL (SEE DRAWING SD-43030-****)
6. SEE SHEET 2 FOR PART NUMBER CHART.

LEAD FREE		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS IN/MM	DRAWN BY MUELLER	DATE 1999/11/29	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
EC NO. UCF2004-1228	REV D		4 PLACES	± ---						
DOWN JERNY	2004/03/12	3 PLACES	± ---	± .010						
CHKD:	2004/03/31	2 PLACES	± 0.25	± .015						
APPR-F-SMITH	2004/04/05	1 PLACE	± 0.38	± ---						
				ANGULAR ±1/2°						
				DRAFT WHERE APPLICABLE						
				MUST REMAIN WITHIN DIMENSIONS						

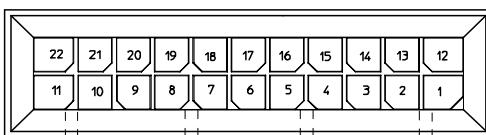


PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS .062/1.57

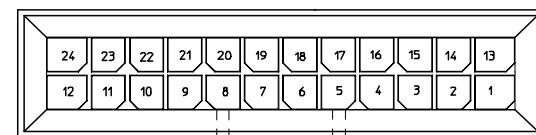
	MATERIAL NUMBER	NUMBER OF POSITIONS	PLATING OPTION
J	44432-0401	04	A
I	44432-0402	04	B
	44432-0403	04	C
	44432-0601	06	A
	44432-0602	06	B
I	44432-0603	06	C
H	44432-0801	08	A
	44432-0802	08	B
	44432-0803	08	C
H	44432-1001	10	A
G	44432-1002	10	B
	44432-1003	10	C
G	44432-1201	12	A
	44432-1202	12	B
G	44432-1203	12	C
F	44432-1401	14	A
	44432-1402	14	B
F	44432-1403	14	C
F	44432-1601	16	A
	44432-1602	16	B
F	44432-1603	16	C
E	44432-1801	18	A
	44432-1802	18	B
E	44432-1803	18	C
E	44432-2001	20	A
	44432-2002	20	B
E	44432-2003	20	C
D	44432-2201	22	A
	44432-2202	22	B
D	44432-2203	22	C
D	44432-2401	24	A
	44432-2402	24	B
C	44432-2403	24	C



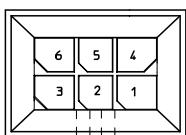
4 CIRCUIT



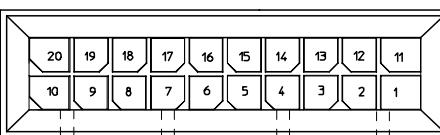
22 CIRCUIT



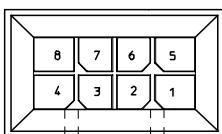
24 CIRCUIT



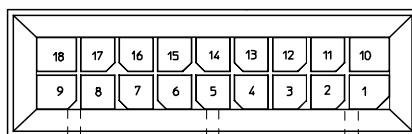
6 CIRCUIT



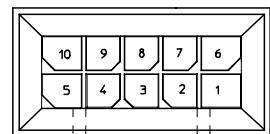
20 CIRCUIT



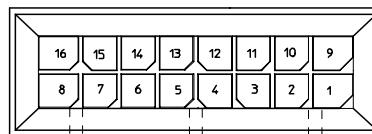
8 CIRCUIT



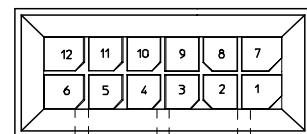
16 CIRCUIT



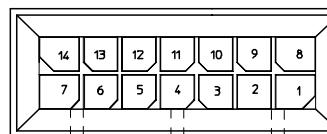
10 CIRCUIT



16 CIRCUIT



12 CIRCUIT



14 CIRCUIT

REDRAWN EC NO: UCP2004-1228 DRAWN BY: JERNY 2004/03/12 CHKD: 2004/03/31 APPR'D SMITH: 2004/04/05 REV: D	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1 DESIGN UNITS METRIC DIMENSION STYLE IN/MM	DRAWN BY MUELLER DATE 1999/11/29 CHECKED BY MUELLER DATE 1999/11/29 APPROVED BY EDGLEY DATE 1999/11/30	TITLE MICRO FIT (3.0) DUAL ROW VERTICAL BMI HEADER ASS'Y molex MOLEX INCORPORATED	REVISE ON CAD ONLY SEE CHART SD-44432-001 MATERIAL NO. SD-44432-001 DOCUMENT NO. 1 SHEET NO. 2 OF 2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
		4 PLACES	\pm ---				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							