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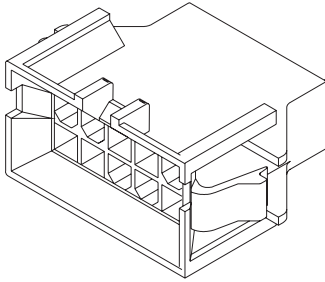
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Jameco Part Number 1298101

4.20mm (.165") Pitch Mini-Fit BMI™ Plug

42475
Dual Row
With Panel Mount Ears



Features and Benefits

- Blind mating panel mounted plug
- Positive housing locks to mate with Mini-Fit Jr.
- Fully isolated terminals to protect contacts from damage

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557, 42474 or 44516 receptacles and 42385, 46010 or 46101 PCB receptacles
Use With: 5558, 46134, 46012 or 46098 terminals
Panel Thickness: 1.60mm (.063") max.
Designed In: Millimeters

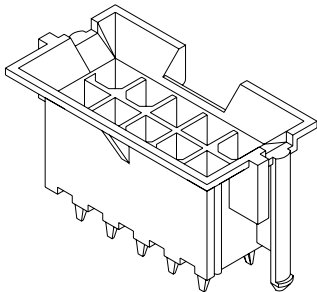
Physical

Housing: 6/6 nylon, UL 94V-2 or 94V-0
Operating Temperature: -40 to +105°C

Circuits	Order No.	
	94V-2	94V-0
4	15-06-0045	15-06-0046
6	15-06-0065	15-06-0066
8	15-06-0085	
10	15-06-0105	15-06-0106
14	15-06-0145	15-06-0146
18	15-06-0185	15-06-0186
24	15-06-0245	15-06-0246

4.20mm (.165") Pitch Mini-Fit BMI™ Header

42440
Vertical, Dual Row



Features and Benefits

- Blindmating Capabilities
- Standard with drain holes to allow PCB washing after wave soldering (contact Molex for headers without drain holes)
- Fully isolated terminals to protect contacts from damage

Reference Information

Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: Pending
Mates With: 44516, 42474 and 5557 dual row receptacles or 42385 PCB receptacles
PCB Thickness: 1.60mm (.062")
Process: Wave Solder
Designed In: Millimeters

Electrical

Voltage: 600V
Current: (Used with 16 AWG)

Series	Circuits			
	2-3	4-6	7-10	12-24
46083*	9.0A	8.0A	7.0A	6.0A

*Brass

Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 1000 Megohms min.

Mechanical

Insertion Force to PCB: 5.0kg max.

Physical

Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass
Plating: Tin or Select Gold
Underplating: Nickel
Operating Temperature: -40 to +105°C

Circuits	Order No.				Lead-free
	Tin		Select Gold		
	94V-2	94V-0	94V-2	94V-0	
4	15-24-6046	15-24-6047	15-28-6046	15-28-6047	Yes
6	15-24-6066		15-28-6066		
10	15-24-6106	15-24-6107	15-28-6106	15-28-6107	
14	15-24-6146	15-24-6147	15-28-6146	15-28-6147	
18	15-24-6186	15-24-6187	15-28-6186	15-28-6187	
24	15-24-6246	15-24-6247	15-28-6246	15-28-6247	



PRODUCT SPECIFICATION

MINI-FIT BMI

1.0 SCOPE

This Product Specification covers performance requirements for the MINI-FIT BMI 4.20 mm (.165 inch) centerline (pitch) printed circuit board (PCB) connector series with Tin or Gold plating, and The MINI-FIT BMI connector series terminated with 16 to 28 AWG wire using Crimp technology with Tin or Gold plating.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBER (S)

<u>PRODUCT NAME</u>	<u>PART NUMBER</u>
Female Crimp Terminal	5556-****
Male Crimp Terminal	5558-****
Receptacle Housing	42474-****
Plug Housing	42475-****
Vertical Header Assembly	42440-****
Right Angle Header Assembly	42404-****
Receptacle Header Assembly	42385-****
Plug Housing	43588-06*1
Right Angle Header Assembly	44499-****

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

See the appropriate sales drawings for the information on dimensions, materials, platings and markings.

2.3 SAFETY AGENCY APPROVALS

UL File: E29179
CSA Certificate: LR 19980
TUV Certificate: R75142-8

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

See sales drawings and the other sections of this specification for the necessary referenced documents and specifications

4.0 RATINGS

4.1 VOLTAGE

600 Volts AC (RMS) (or 600 Volts DC)

4.2 CURRENT AND APPLICABLE WIRES

Maximum Insulation Diameter and Applicable Wire Gauges	16 AWG: 3.10/. 122 MAXIMUM
	18-24 AWG: 3.10/. 122 MAXIMUM
	22-28 AWG: 1.80/. 071 MAXIMUM

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PRODUCT SPECIFICATION

4.2 CURRENT AND APPLICABLE WIRES (continued)

MAXIMUM CURRENT RATING (Amperes)										
Brass					Phosphor Bronze					
Wire \ Ckt. Size	2 & 3	4 - 6	7 - 10	12 - 24	Wire \ Ckt. Size	2 & 3	4 - 6	7 - 10	12 - 24	
AWG #16	9	8	7	6	AWG #16	8	7	6	5	
AWG #18	9	8	7	6	AWG #18	8	7	6	5	
AWG #20	7	6	5	5	AWG #20	6	5	4	4	
AWG #22	5	4	4	4	AWG #22	4	3	3	3	
AWG #24	4	3	3	3	AWG #24	3	2	2	2	
AWG #26	3	2	2	2	AWG #26	2	1	1	1	
AWG #28	2	1	1	1	AWG #28	1	1	1	1	

4.3 TEMPERATURE

Operating: * - 40°C to + 105°C

Nonoperating: - 40°C to + 105°C

*Including 30°C terminal temperature at rated current

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA. Wire resistance shall be removed from the measured value.	10 milliohms MAXIMUM [initial]
2	Contact Resistance @ Rated Current	Mate connectors: apply a maximum voltage of 20 mV at rated current.	10 milliohms MAXIMUM [initial]
3	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]

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4	Insulation Resistance	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
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5.1 ELECTRICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Dielectric Withstanding Voltage	Mate connectors: apply a voltage of 1500 VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown. Current leakage < 5 mA
6	Temperature Rise (via Current Cycling)	Mate connectors. Measure the temperature rise at the rated current after 96 hours, during current cycling (45 minutes ON and 15 minutes OFF per hour) for 240 hours, and after final 96-hour steady state.	Temperature rise: +30°C MAXIMUM

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Terminal Mate and Unmate Forces	Insert and withdraw terminal (male to female) at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	14.7 N (3.30 lbf) MAXIMUM insertion force & 1.0 N (0.02 lbf) MINIMUM withdrawal force
2	Crimp Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	30 N (6.74 lbf) MINIMUM retention force
3	Terminal Pin to Header Retention Force	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	4.45 N (1.00 lbf) MINIMUM retention force
4	Durability	Mate connectors up to 30 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	20 milliohms MAXIMUM
5	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
6	Shock (Mechanical)	Mate connectors and shock at 50 g's with ½ sine wave (11 milliseconds) shocks in the ±X, ±Y, ±Z axes, (18 shocks total).	20 milliohms MAXIMUM & Discontinuity < 1 microsecond

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5.2 MECHANICAL REQUIREMENTS (continued)

7	Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch).	16 Awg = 88.0 N (19.8 lbf) Min. 18 Awg = 88.0 N (19.8 lbf) Min. 20 Awg = 59.0 N (13.3 lbf) Min. 22 Awg = 39.0 N (8.78 lbf) Min. 24 Awg = 29.0 N (6.52 lbf) Min. 26 Awg = 19.0 N (4.27 lbf) Min. 28 Awg = 9.80 N (2.20 lbf) Min.
8	Crimp Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch).	15.0 N (3.37 lbf) MAXIMUM insertion force
9	Normal Force	Apply a perpendicular force.	0.49 N (50 grams) MINIMUM [Gold (noble) plating] OR 1.47 N (150 grams) MINIMUM [Tin (non-noble) plating]
10	PCB Engagement and Separation Forces	Engage and separate a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Applies to parts with PCB retention features only)	49.0 N (11.0 lbf) MAXIMUM insertion force & 10.0 N (2.24 lbf) MINIMUM withdrawal force
11	Panel Insertion and Withdrawal Forces	Insert and withdraw a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Applies to parts with panel retention features only)	225 N (50.7 lbf) MAXIMUM insertion force & 157 N (35.3 lbf) MINIMUM withdrawal force

5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Thermal Shock	Mate connectors: expose for 5 cycles between temperatures -55 and 105°C; dwell 0.5 hours at each temperature.	20 milliohms MAXIMUM Visual: No Damage Dielectric Strength per 5.1.5 Insulation Resistance per 5.1.4
2	Thermal Aging	Mate connectors; expose to: 96 hours at 105 ± 2°C	20 milliohms MAXIMUM & Visual: No Damage

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3	Humidity (Steady State)	Mate connectors: expose to a temperature of $60 \pm 2^{\circ}\text{C}$ with a relative humidity of 90-95% for 96 hours.	20 milliohms MAXIMUM Dielectric Strength per 5.1.5 Insulation Resistance per 5.1.4 Visual: No Damage
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5.3 ENVIRONMENTAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
4	Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)
5	Solder Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: $235 \pm 5^{\circ}\text{C}$	Visual: No Damage to insulator material
6	Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^{\circ}\text{C}$	20 milliohms MAXIMUM Visual: No Damage
7	Corrosive Atmosphere: Sulfur Dioxide Gas (SO₂)	Mate connectors: Duration: 24 hours exposure. Atmosphere: 50 parts per million (ppm) SO ₂ Gas. Temperature: $40 \pm 3^{\circ}\text{C}$	20 milliohms MAXIMUM Visual: No damage

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

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		APPROVED BY: MARGULIS	

13 12 11 10 9 8 7 6 5 4 3 2 1

J

I

H

G

F

E

D

C

B

A

- NOTES:**
- 1) HOUSING MAT'L. & OPTIONS:
 - 1 = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL, WITHOUT DRAIN HOLES.
 - 2 = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL, WITHOUT DRAIN HOLES.
 - 3 = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL, WITH DRAIN HOLES.
 - 4 = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL, WITH DRAIN HOLES.
 - 2) TERMINAL MAT'L.: BRASS, ALLOY 260.
 - 3) 6-24 CKT. PARTS MATE WITH MINI-FIT JR. RECEPTACLES #5557 AND HEADERS #42385 AND #42474. 2 & 4 CKT. PARTS MATE WITH HEADERS ONLY.
 - 4) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
 - 5) PART IS DESIGNED IN METRIC.
 - 6) TERMINAL PLATING:
 - 1 = .000100/(.00254) MIN. 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 = .000050/(.00127) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
 - 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 PLATING.
 - 7) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: SEE PS-5556-002
 - 8) CONN. ASSY'S ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE ALIVE.
 - 9) OPTIONAL RIBS MAY BE FOUND ON PARTS MANUFACTURED AFTER 08/11/97.
 - 10) PARTS MANUFACTURED AFTER 8/15/97 MAY HAVE REVISED LOCK PEG.

ME10 & DWG ERROR EC NO: UCP2005-1503 DRW:ADRA1NOL 2005/01/26 CHKD:POLGAR 2005/06/26 APPR:MMARGULIS 2005/01/26	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	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>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DRAWN BY DATE GEP 04/06/89		TITLE MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION			
			mm	INCH																				
		4 PLACES	± ---	± ---																				
3 PLACES	± ---	± ---																						
2 PLACES	± ---	± ---																						
1 PLACE	± ---	± ---																						
ANGULAR ± 5 °		CHECKED BY DATE RJJ 04/06/89		APPROVED BY DATE RAS 04/06/89																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.																	
01		SEE SHEET 4		SDA-42440-****			3																	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

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			
J	PLATING: TIN (SEE NOTE 6)			PLATING: TIN (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)						
	DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITHOUT DRAIN HOLES						
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS						
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]						
	PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001						
I	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS
	NO EDP	A-42440-0211	-	2	NO EDP	A-42440-0221	-	2	NO EDP	A-42440-0212	-	2	NO EDP	A-42440-0222	-	2
	15-24-6041	A-42440-0411	-	4	15-24-6042	A-42440-0421	-	4	15-28-6041	A-42440-0412	-	4	15-28-6042	A-42440-0422	-	4
	NO EDP	A-42440-0611	-	6	NO EDP	A-42440-0621	-	6	NO EDP	A-42440-0612	-	6	NO EDP	A-42440-0622	-	6
	NO EDP	A-42440-0811	-	8	NO EDP	A-42440-0821	-	8	NO EDP	A-42440-0812	-	8	NO EDP	A-42440-0822	-	8
	15-24-6101	A-42440-1011	-	10	15-24-6102	A-42440-1021	-	10	15-28-6101	A-42440-1012	-	10	15-28-6102	A-42440-1022	-	10
	NO EDP	A-42440-1211	-	12	NO EDP	A-42440-1221	-	12	NO EDP	A-42440-1212	-	12	NO EDP	A-42440-1222	-	12
	15-24-6141	A-42440-1411	-	14	15-24-6142	A-42440-1421	-	14	15-28-6141	A-42440-1412	-	14	15-28-6142	A-42440-1422	-	14
	15-24-6161	A-42440-1611	-	16	15-24-6162	A-42440-1621	-	16	15-28-6161	A-42440-1612	-	16	NO EDP	A-42440-1622	-	16
	15-24-6181	A-42440-1811	-	18	15-24-6182	A-42440-1821	-	18	15-28-6181	A-42440-1812	-	18	15-28-6182	A-42440-1822	-	18
H	NO EDP	A-42440-2011	-	20	NO EDP	A-42440-2021	-	20	NO EDP	A-42440-2012	-	20	NO EDP	A-42440-2022	-	20
	NO EDP	A-42440-2211	-	22	NO EDP	A-42440-2221	-	22	NO EDP	A-42440-2212	-	22	NO EDP	A-42440-2222	-	22
	15-24-6241	A-42440-2411	-	24	15-24-6242	A-42440-2421	-	24	15-28-6241	A-42440-2412	-	24	15-28-6242	A-42440-2422	-	24
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G	PLATING: TIN (SEE NOTE 6)			PLATING: TIN (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)						
	DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES						
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS						
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]						
	PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001						
F	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS
	NO EDP	A-42440-0231	-	2	NO EDP	A-42440-0241	-	2	NO EDP	A-42440-0232	-	2	NO EDP	A-42440-0242	-	2
	15-24-6046	A-42440-0431	-	4	15-24-6047	A-42440-0441	-	4	15-28-6046	A-42440-0432	-	4	15-28-6047	A-42440-0442	-	4
	15-24-6066	A-42440-0631	-	6	NO EDP	A-42440-0641	-	6	15-28-6066	A-42440-0632	-	6	NO EDP	A-42440-0642	-	6
	NO EDP	A-42440-0831	-	8	NO EDP	A-42440-0841	-	8	NO EDP	A-42440-0832	-	8	NO EDP	A-42440-0842	-	8
	15-24-6106	A-42440-1031	-	10	15-24-6107	A-42440-1041	-	10	15-28-6106	A-42440-1032	-	10	15-28-6107	A-42440-1042	-	10
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	15-24-6186	A-42440-1831	-	18	15-24-6187	A-42440-1841	-	18	15-28-6186	A-42440-1832	-	18	15-28-6187	A-42440-1842	-	18
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	NO EDP	A-42440-2231	-	22	NO EDP	A-42440-2241	-	22	NO EDP	A-42440-2232	-	22	NO EDP	A-42440-2242	-	22
	15-24-6246	A-42440-2431	-	24	15-24-6247	A-42440-2441	-	24	15-28-6246	A-42440-2432	-	24	15-28-6247	A-42440-2442	-	24
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D	PLATING: TIN (SEE NOTE 6)			PLATING: TIN (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)						
	DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES						
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS						
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]						
	PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001						
	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS
	NO EDP	A-42440-0231	-	2	NO EDP	A-42440-0241	-	2	NO EDP	A-42440-0232	-	2	NO EDP	A-42440-0242	-	2
	15-24-6046	A-42440-0431	-	4	15-24-6047	A-42440-0441	-	4	15-28-6046	A-42440-0432	-	4	15-28-6047	A-42440-0442	-	4
	15-24-6066	A-42440-0631	-	6	NO EDP	A-42440-0641	-	6	15-28-6066	A-42440-0632	-	6	NO EDP	A-42440-0642	-	6
	NO EDP	A-42440-0831	-	8	NO EDP	A-42440-0841	-	8	NO EDP	A-42440-0832	-	8	NO EDP	A-42440-0842	-	8
15-24-6106	A-42440-1031	-	10	15-24-6107	A-42440-1041	-	10	15-28-6106	A-42440-1032	-	10	15-28-6107	A-42440-1042	-	10	
NO EDP	A-42440-1231	-	12	NO EDP	A-42440-1241	-	12	NO EDP	A-42440-1232	-	12	NO EDP	A-42440-1242	-	12	
15-24-6146	A-42440-1431	-	14	15-24-6147	A-42440-1441	-	14	15-28-6146	A-42440-1432	-	14	15-28-6147	A-42440-1442	-	14	
NO EDP	A-42440-1631	-	16	NO EDP	A-42440-1641	-	16	NO EDP	A-42440-1632	-	16	NO EDP	A-42440-1642	-	16	
15-24-6186	A-42440-1831	-	18	15-24-6187	A-42440-1841	-	18	15-28-6186	A-42440-1832	-	18	15-28-6187	A-42440-1842	-	18	
NO EDP	A-42440-2031	-	20	NO EDP	A-42440-2041	-	20	NO EDP	A-42440-2032	-	20	NO EDP	A-42440-2042	-	20	
NO EDP	A-42440-2231	-	22	NO EDP	A-42440-2241	-	22	NO EDP	A-42440-2232	-	22	NO EDP	A-42440-2242	-	22	
15-24-6246	A-42440-2431	-	24	15-24-6247	A-42440-2441	-	24	15-28-6246	A-42440-2432	-	24	15-28-6247	A-42440-2442	-	24	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

REVISE PACKAGING EC NO: UCP2005-1880 DRWN: JSCHAFFER 2005/03/11 CHKD: POLGAR 2005/05/23/11 APPR: MARGULIS 2005/05/07/11 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm INCH	IN/MM	---	METRIC	
	4 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE	MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION	
	3 PLACES ± --- ± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED		
	2 PLACES ± --- ± ---	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
1 PLACE ± --- ± ---	RJF	03/03/95	SEE CHART	SDA-42440-****	4	
ANGULAR ±1/2°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

	13	12	11	10	9	8	7	6	5	4	3	2	1			
J	PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)						
	DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES						
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS						
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]						
	PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001			PACKAGING: TRAY PER PK-42440-001						
I	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS	PART NO.	ENG NO.		CKTS
	NO EDP	A-42440-0213	-	2	NO EDP	A-42440-0223	-	2	NO EDP	A-42440-0233	-	2	NO EDP	A-42440-0243	-	2
	NO EDP	A-42440-0413	-	4	NO EDP	A-42440-0423	-	4	NO EDP	A-42440-0433	-	4	NO EDP	A-42440-0443	-	4
	NO EDP	A-42440-0613	-	6	NO EDP	A-42440-0623	-	6	NO EDP	A-42440-0633	-	6	NO EDP	A-42440-0643	-	6
	NO EDP	A-42440-0813	-	8	NO EDP	A-42440-0823	-	8	NO EDP	A-42440-0833	-	8	NO EDP	A-42440-0843	-	8
	NO EDP	A-42440-1013	-	10	NO EDP	A-42440-1023	-	10	NO EDP	A-42440-1033	-	10	NO EDP	A-42440-1043	-	10
	NO EDP	A-42440-1213	-	12	NO EDP	A-42440-1223	-	12	NO EDP	A-42440-1233	-	12	NO EDP	A-42440-1243	-	12
	NO EDP	A-42440-1413	-	14	NO EDP	A-42440-1423	-	14	NO EDP	A-42440-1433	-	14	NO EDP	A-42440-1443	-	14
	NO EDP	A-42440-1613	-	16	NO EDP	A-42440-1623	-	16	NO EDP	A-42440-1633	-	16	NO EDP	A-42440-1643	-	16
H	NO EDP	A-42440-1813	-	18	NO EDP	A-42440-1823	-	18	NO EDP	A-42440-1833	-	18	NO EDP	A-42440-1843	-	18
	NO EDP	A-42440-2013	-	20	NO EDP	A-42440-2023	-	20	NO EDP	A-42440-2033	-	20	NO EDP	A-42440-2043	-	20
	NO EDP	A-42440-2213	-	22	NO EDP	A-42440-2223	-	22	NO EDP	A-42440-2233	-	22	NO EDP	A-42440-2243	-	22
	NO EDP	A-42440-2413	-	24	NO EDP	A-42440-2423	-	24	NO EDP	A-42440-2433	-	24	NO EDP	A-42440-2443	-	24
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G	PLATING:			PLATING:			PLATING:			PLATING:						
	DRAINS:			DRAINS:			DRAINS:			DRAINS:						
	PEGS:			PEGS:			PEGS:			PEGS:						
	MAT'L:			MAT'L:			MAT'L:			MAT'L:						
	PACKAGING:			PACKAGING:			PACKAGING:			PACKAGING:						
F	ITEM NO.			CKTS	ITEM NO.			CKTS	ITEM NO.			CKTS	ITEM NO.			CKTS
	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2
	-	-	-	4	-	-	-	4	-	-	-	4	-	-	-	4
	-	-	-	6	-	-	-	6	-	-	-	6	-	-	-	6
	-	-	-	8	-	-	-	8	-	-	-	8	-	-	-	8
	-	-	-	10	-	-	-	10	-	-	-	10	-	-	-	10
	-	-	-	12	-	-	-	12	-	-	-	12	-	-	-	12
E	-	-	-	14	-	-	-	14	-	-	-	14	-	-	-	14
	-	-	-	16	-	-	-	16	-	-	-	16	-	-	-	16
	-	-	-	18	-	-	-	18	-	-	-	18	-	-	-	18
	-	-	-	20	-	-	-	20	-	-	-	20	-	-	-	20
	-	-	-	22	-	-	-	22	-	-	-	22	-	-	-	22
	-	-	-	24	-	-	-	24	-	-	-	24	-	-	-	24
D																
C																
B																
A																

REVISE PACKAGING EC NO: UCP2005-1880 DRWN: JSCHAFFER 2005/03/11 CHKD: POLGAR 2005/05/02/01 APPR: MARCELIUS 2005/05/02/04 REV A	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>2 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>1 PLACE</td> <td>± .005</td> <td>± .0005</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .005	± .0005	2 PLACES	± .005	± .0005	1 PLACE	± .005	± .0005	DIMENSION STYLE IN/MM DRAWN BY DATE ERH 02/23/00 CHECKED BY DATE MB 02/23/00 APPROVED BY DATE RE 02/23/00	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION MOLEX INCORPORATED
		mm	INCH																	
	4 PLACES	± .005	± .0005																	
	3 PLACES	± .005	± .0005																	
2 PLACES	± .005	± .0005																		
1 PLACE	± .005	± .0005																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART	MATERIAL NO. SDA-42440-****	DOCUMENT NO.	SHEET NO. 5															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
SIZE C																				

	13	12	11	10	9	8	7	6	5	4	3	2	1	
J	PLATING: TIN (SEE NOTE 6)			PLATING: TIN (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)			PLATING: 30 M.I. GOLD (SEE NOTE 6)				
	DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES				
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS				
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]				
	PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151				
I	ITEM NO.		CKTS	ITEM NO.		CKTS	ITEM NO.		CKTS	ITEM NO.				CKTS
	-		2	-		2	-		2	-				2
	42440-3049		4	42440-3061		4	42440-3073		4	42440-3085				4
	42440-3050		6	-		6	42440-3074		6	-				6
	-		8	-		8	-		8	-				8
	42440-3052		10	42440-3064		10	42440-3076		10	42440-3088				10
	-		12	-		12	-		12	-				12
	42440-3054		14	42440-3066		14	42440-3078		14	42440-3090				14
	-		16	-		16	-		16	-				16
	42440-3056		18	42440-3068		18	42440-3080		18	42440-3092				18
H	-		20	-		20	-		20	-				20
	-		22	-		22	-		22	-				22
	42440-3059		24	42440-3071		24	42440-3083		24	42440-3095				24
	-			-			-			-				
	-			-			-			-				
G	PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)			PLATING: 50 M.I. GOLD (SEE NOTE 6)				
	DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITHOUT DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES				
	PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS			PEGS: WITH PEGS				
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]				
	PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151			PACKAGING: TUBE PER PK-40873-0151				
F	ITEM NO.		CKTS	ITEM NO.		CKTS	ITEM NO.		CKTS	ITEM NO.				CKTS
	-		2	-		2	-		2	-				2
	-		4	-		4	-		4	-				4
	-		6	-		6	-		6	-				6
	-		8	-		8	-		8	-				8
	-		10	-		10	-		10	-				10
	-		12	-		12	-		12	-				12
	-		14	-		14	-		14	-				14
	-		16	-		16	-		16	-				16
	-		18	-		18	-		18	-				18
E	-		20	-		20	-		20	-				20
	-		22	-		22	-		22	-				22
	-		24	-		24	-		24	-				24
	-			-			-			-				
	-			-			-			-				
D	-			-			-			-				
	-			-			-			-				
	-			-			-			-				
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ME10 & DWG ERROR EC NO: UCP2005-1503 DRAWN/ADRA/TNOL 2005/01/26 CHKD:POLGAR 2005/06/02/06 APPR:MMR/GJLS 2005/06/01/26 REV 01	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE IN/MM DRAWN BY DATE ERH 02/23/00 CHECKED BY DATE MB 02/23/00 APPROVED BY DATE RE 02/23/00	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION MOLEX INCORPORATED
		mm	INCH																	
	4 PLACES	± ---	± ---																	
	3 PLACES	± ---	± ---																	
	2 PLACES	± ---	± ---																	
1 PLACE	± ---	± ---																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-42440-****	SHEET NO. 6																
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				