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ELECTRONICS

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Jameco Part Number 1298380

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Wire-to-board with terminal position assurance (TPA)
- Positive housing locks
- Secondary retention and locking features (TPA and CPA keys)
- Fully isolated contacts

### Reference Information

Product Specification: PS-5556-0003  
 Packaging: Tray and bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R75142  
 Use With: Standard Mini-Fit terminals  
 Mates With: [30067](#) receptacle  
 Designed In: Millimeters

### Electrical

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

Circuits	2-3	4-6	7-10	12-24
Amperes-TPA	9	8	7	6
Amperes-TPA with HCS	12	11	10	9

Contact Resistance: 10mΩ max.  
 Dielectric Withstanding Voltage: 1500V  
 Insulation Resistance: 1000 MΩ min.

### Mechanical

Insertion Force to PCB: 5.0kg max.  
 Mating Force: 0.7kg (1.54 lb) max.  
 Unmating Force: 0.35kg (0.7 lb) min.  
 Normal Force: 200g min.  
 Durability: 30 cycles

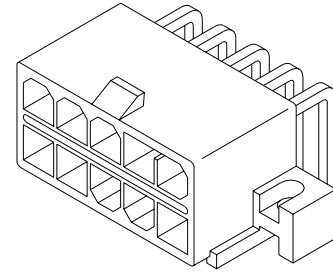
### Physical

Housing: Black polyester, UL 94V-0  
 Contact: Brass or Phosphor Bronze  
 Plating: Tin, select Gold and overall Gold  
 Operating Temperature: -40 to +105°C

# molex® 4.20mm (.165") Pitch Mini-Fit, TPA™ Header

## 30070

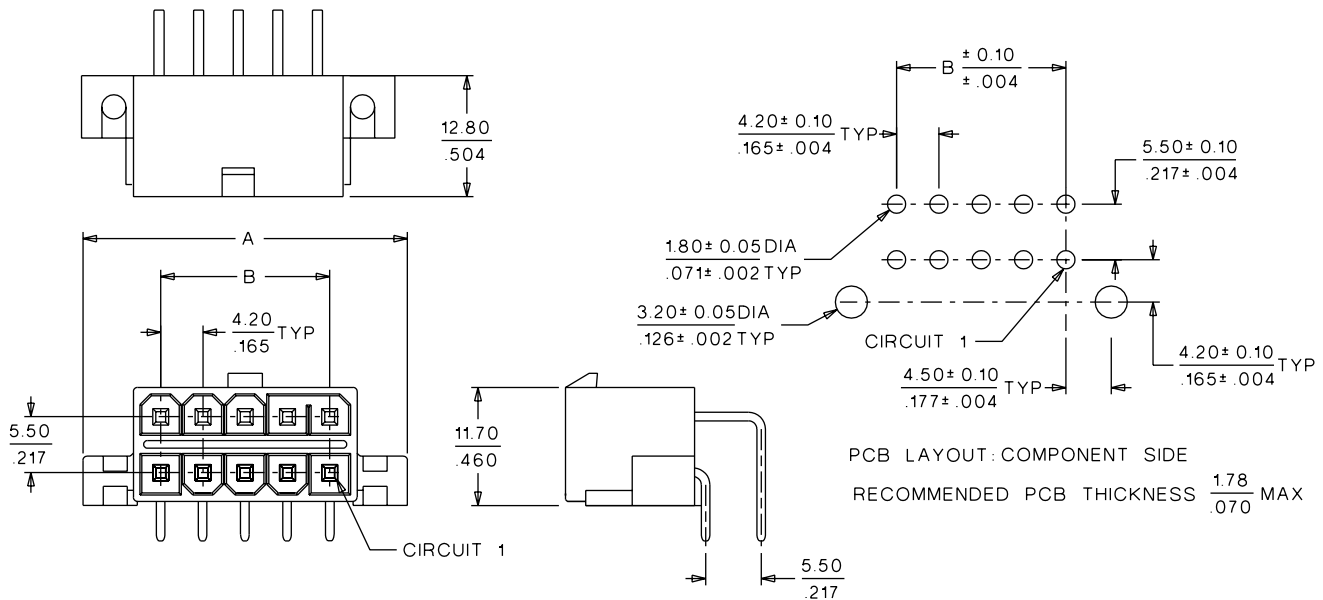
## Right Angle, Dual Row With Flanges



Power Connectors

F

## CATALOG DRAWING (FOR REFERENCE ONLY)



## ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension		
	Tin Plated	Gold Plated	A	B	C
2	• 15-97-8022	• 15-97-8027	15.40 (.606)		5.40 (.213)
4	• 15-97-8042	• 15-97-8047	19.60 (.772)	4.20 (.165)	9.60 (.378)
6	• 15-97-8062	• 15-97-8067	23.80 (.937)	8.40 (.331)	13.80 (.543)
8	• 15-97-8082	• 15-97-8087	28.00 (1.102)	12.60 (.496)	18.00 (.709)
10	• 15-97-8102	• 15-97-8107	32.20 (1.268)	16.80 (.661)	22.20 (.874)
12	• 15-97-8122	• 15-97-8127	36.40 (1.433)	21.00 (.827)	26.40 (1.039)
16	• 15-97-8162	• 15-97-8167	44.80 (1.764)	29.40 (1.157)	34.80 (1.370)

• US Standard Product, available through Molex franchised distributors



# PRODUCT SPECIFICATION

## MINI-FIT TPA

### 1.0 SCOPE

This Product Specification covers performance requirements for the MINI-FIT TPA 4.20 mm (.165 inch) centerline (pitch) printed circuit board (PCB) connector series with Tin or Gold plating, and The MINI-FIT TPA 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	30067-****
Plug Housing	30068-****
Vertical Header Assembly	30069-****
Vertical Header Assembly	44482-****
Right Angle Header Assembly	30070-****
Right Angle Header Assembly	44483-****
Terminal Position Assurance Key (TPA)	30072-*
Connector Position Assurance Key (CPA)	30071

#### 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

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

REVISION: <b>C</b>	ECR/ECN INFORMATION: EC No: <b>UCP2004-0947</b> DATE: <b>2003 / 11 / 14</b>	TITLE: <b>PRODUCT SPECIFICATION FOR MINI-FIT TPA CONNECTOR SYSTEM</b>	SHEET No. <b>1 of 5</b>
DOCUMENT NUMBER: <b>PS-5556-003</b>	CREATED / REVISED BY: <b>M. BANDURA</b>	CHECKED BY: <b>M. BANDURA</b>	APPROVED BY: <b>Y. MARGULIS</b>



# 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	<b>Contact Resistance (Low Level)</b>	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	<b>Contact Resistance @ Rated Current</b>	Mate connectors: apply a maximum voltage of 20 mV at rated current.	10 milliohms MAXIMUM [initial]
3	<b>Contact Resistance of Wire Termination (Low Level)</b>	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]
4	<b>Insulation Resistance</b>	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM

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# PRODUCT SPECIFICATION

## 5.1 ELECTRICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	<b>Dielectric Withstanding Voltage</b>	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	<b>Temperature Rise (via Current Cycling)</b>	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	<b>Terminal Mate and Unmate Forces</b>	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	<b>Crimp Terminal Retention Force (in Housing)</b>	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	<b>Crimp Terminal Retention Force (in Housing With TPA Key)</b>	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	SECTION 5.2.7
4	<b>Durability</b>	Mate connectors up to 30 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	20 milliohms MAXIMUM
5	<b>Vibration (Random)</b>	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
6	<b>Shock (Mechanical)</b>	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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DOCUMENT NUMBER: <b>PS-5556-003</b>	CREATED / REVISED BY: <b>M. BANDURA</b>	CHECKED BY: <b>M. BANDURA</b>	APPROVED BY: <b>Y. MARGULIS</b>



# PRODUCT SPECIFICATION

## 5.2 MECHANICAL REQUIREMENTS (continued)

7	<b>Wire Pullout Force (Axial)</b>	Apply an axial pullout force on the wire at a rate of $25 \pm 6$ mm ( $1 \pm \frac{1}{4}$ 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	<b>Crimp Terminal Insertion Force (into Housing)</b>	Apply an axial insertion force on the terminal at a rate of $25 \pm 6$ mm ( $1 \pm \frac{1}{4}$ inch).	15.0 N (3.37 lbf) MAXIMUM insertion force
9	<b>Normal Force</b>	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	<b>PCB Engagement and Separation Forces</b>	Engage and separate a connector at a rate of $25 \pm 6$ mm ( $1 \pm \frac{1}{4}$ 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
12	<b>Receptacle Thumb Latch Strength (CPA not installed)</b>	Mate connectors. Pull connectors apart at a rate of $25 \pm 6$ mm ( $1 \pm \frac{1}{4}$ inch) per minute.	68 N (15.3 lbf)

## 5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	<b>Thermal Shock</b>	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	<b>Thermal Aging</b>	Mate connectors; expose to: 96 hours at $105 \pm 2^\circ\text{C}$	20 milliohms MAXIMUM & Visual: No Damage
3	<b>Humidity (Steady State)</b>	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

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
<b>C</b>	EC No: UCP2004-0947 DATE: 2003 / 11 / 14	<b>PRODUCT SPECIFICATION FOR MINI-FIT TPA CONNECTOR SYSTEM</b>	<b>4 of 5</b>
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
<b>PS-5556-003</b>	<b>M. BANDURA</b>	<b>M. BANDURA</b>	<b>Y. MARGULIS</b>



# PRODUCT SPECIFICATION

4	Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)
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## 5.3 ENVIRONMENTAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Solder Resistance	Dip connector terminal tails in solder: Solder Duration: $5 \pm 0.5$ 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 (SO <sub>2</sub> )	Mate connectors: Duration: 24 hours exposure. Atmosphere: 50 parts per million (ppm) SO <sub>2</sub> Gas. Temperature: $40 \pm 3^\circ\text{C}$	20 milliohms MAXIMUM Visual: No damage

## 6.0 PACKAGING

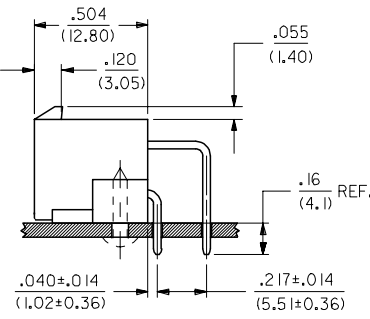
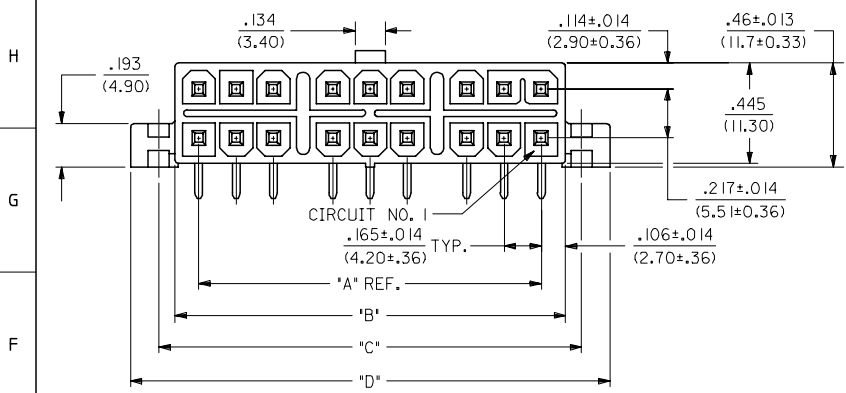
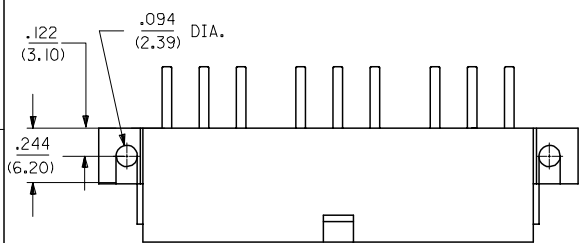
Parts shall be packaged to protect against damage during handling, transit and storage.

REVISION: <b>C</b>	ECR/ECN INFORMATION: EC No: <b>UCP2004-0947</b> DATE: <b>2003 / 11 / 14</b>	TITLE: <b>PRODUCT SPECIFICATION FOR MINI-FIT TPA CONNECTOR SYSTEM</b>	SHEET No. <b>5 of 5</b>
DOCUMENT NUMBER: <b>PS-5556-003</b>	CREATED / REVISED BY: <b>M. BANDURA</b>	CHECKED BY: <b>M. BANDURA</b>	APPROVED BY: <b>Y. MARGULIS</b>

**OPTION A  
FLANGE MOUNT**  
SEE SHT. 2 FOR ADDITIONAL INFORMATION

**NOTES:**

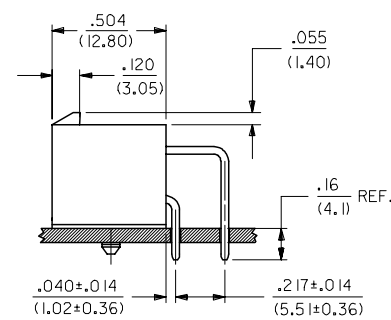
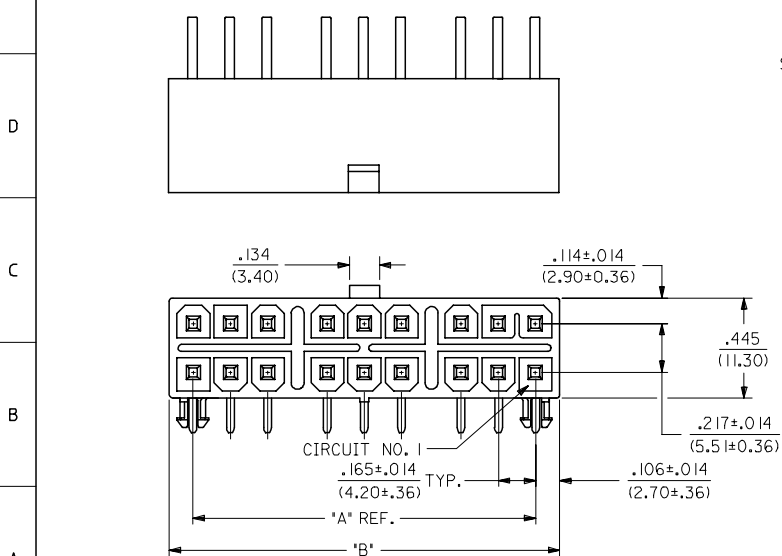
- HOUSING MATERIAL: POLYESTER, UNFILLED, 94V-0. COLOR: BLACK.  
PIN MATERIAL: BRASS ALLOY
- PLATINGS: (PER SDES-88-\*\*\*)  
1 = .000200/(.00508) MIN. TIN OVER  
.000100/(.00254) MIN. COPPER.  
3 = .000030/(.00076) MIN. GOLD OVER  
.000050/(.00127) MIN. NICKEL.
- PRODUCT SPECIFICATION PS-5556-003.
- PART IS DESIGNED IN METRIC.
- MATES WITH TPA RECEPTACLE NO. 30067-\*
- PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- DISCOLORATION ON THE BANDOLIER CARRIER AREA OF THE PIN IS ACCEPTABLE.



**LEGEND**

A-30070-*** **	PLATING
NO. OF CIRCUITS	1 = (503)
	3 = (102)
PCB MOUNTING	
A = FLANGE	
B = PEG LOCK	

**OPTION B  
PEG MOUNT**  
SEE SHT. 3 FOR ADDITIONAL INFORMATION



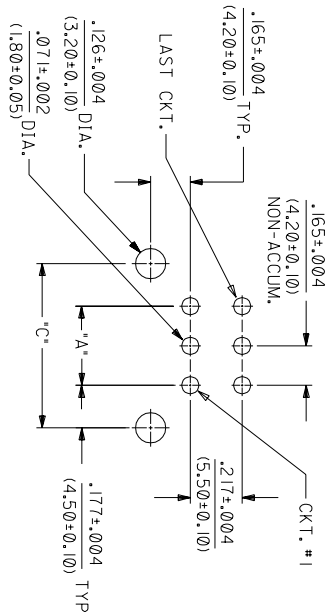
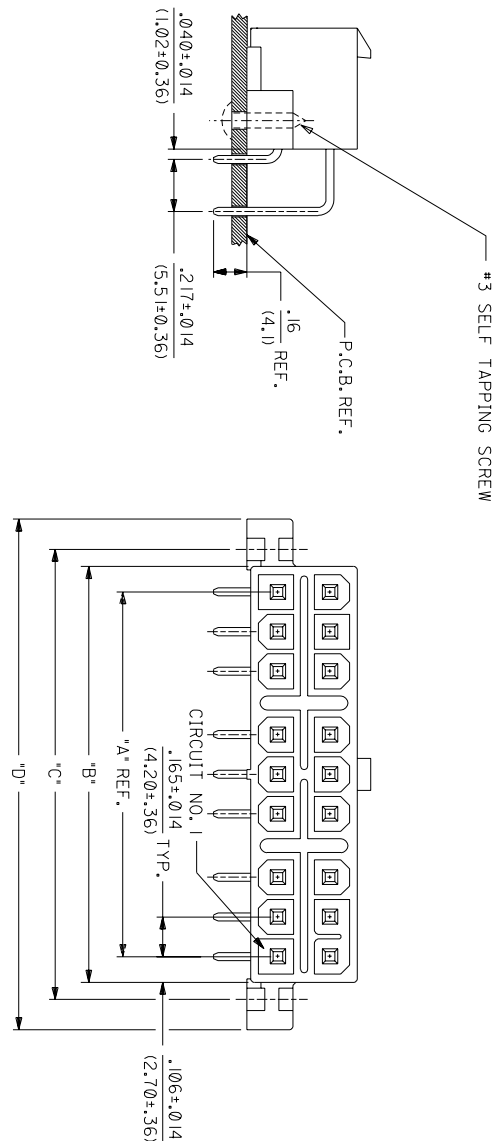
4	F
3	K
2	LI
1	M
SHT REV.	

<b>ADDED NOTE 7</b> EC NO: UCP2006-0371 DRAWNDUONE 2005/08/17 CHKD: GPOLGAR 2005/08/17 APPR: ICOMERC.L 2005/08/19 M	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .01 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2°	DRAWN BY DMF	DATE 6/15/90	TITLE MINI-FIT T.P.A. RIGHT ANGLE HEADER ASSEMBLY	MOLEX INCORPORATED		SHEET NO. 1 OF 4	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY JRT	DATE 6/15/90	MATERIAL NO. SEE CHARTS		DOCUMENT NO. SDA-30070-****	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		MOLEX INCORPORATED							



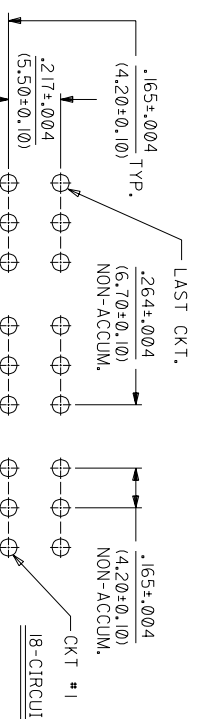
FLANGE MOUNT OPTION

CKT. SIZE	ENG. NO.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
2	30070-02A*	—	.213 (5.40)	.354 (9.00)	.606 (15.40)
4	30070-04A*	.165 (4.20)	.378 (9.60)	.520 (13.20)	.772 (19.60)
6	30070-06A*	.331 (8.40)	.543 (13.80)	.685 (17.40)	.937 (23.80)
8	30070-08A*	.496 (12.60)	.709 (18.00)	.850 (21.60)	1.102 (28.00)
10	30070-10A*	.661 (16.80)	.874 (22.20)	1.016 (25.80)	1.268 (32.20)
12	30070-12A*	.827 (21.00)	1.039 (26.40)	1.181 (30.00)	1.433 (36.40)
14	30070-14A*	.992 (25.20)	1.205 (30.60)	1.346 (34.20)	1.598 (40.60)
16	30070-16A*	1.157 (29.40)	1.370 (34.80)	1.512 (38.40)	1.764 (44.80)
18	30070-18A*	1.520 (38.60)	1.732 (44.00)	1.874 (47.60)	2.126 (54.00)
20	30070-20A*	1.685 (42.80)	1.898 (48.20)	2.039 (51.80)	2.291 (58.20)
22	30070-22A*	1.850 (47.00)	2.063 (52.40)	2.205 (56.00)	2.457 (62.40)
24	30070-24A*	2.016 (51.20)	2.228 (56.60)	2.370 (60.20)	2.622 (66.60)

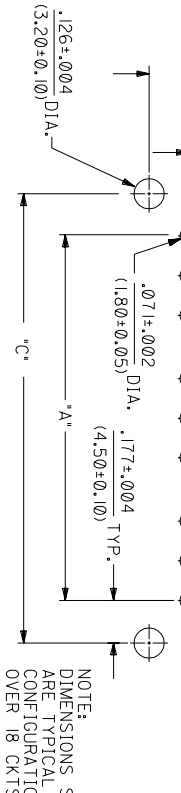
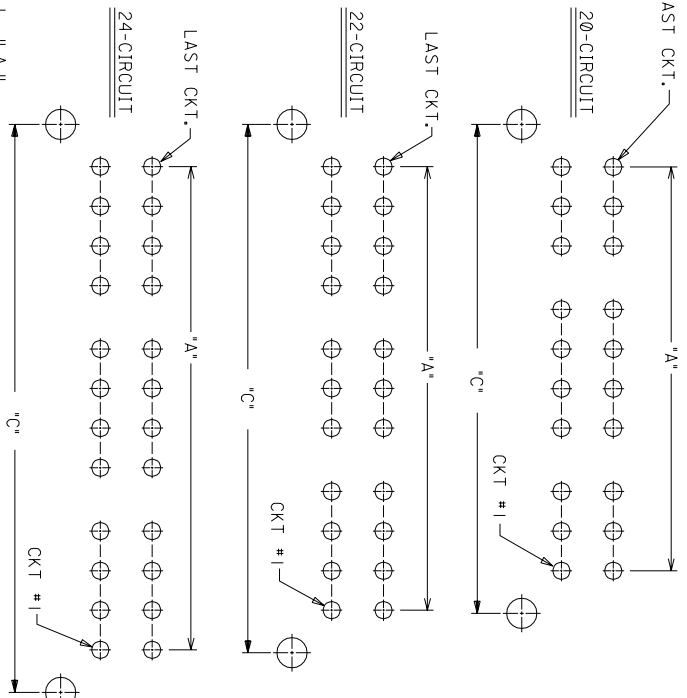


RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

VIEWED FROM COMPONENT SIDE OF BOARD



OPTION "A"  
FLANGE MOUNT  
RECOMMENDED P.C. BOARD LAYOUT



NOTE:  
DIMENSIONS SHOWN IN THIS VIEW  
ARE TYPICAL FOR ALL P.C.B.  
CONFIGURATIONS  
OVER 18 CKTS.

DIMENSIONS SHOWN IN METRIC INCH		UNLESS OTHERWISE SPECIFIED	
TOLERANCES		FINISHES	
3 PLACE	± .010	INCH	METRIC
2 PLACE	± .012	± 0.25	
1 PLACE	± 0.36		

OPER. WHERE APPROPRIATE MUST REMAIN WITHIN DIMENSIONS

DRG. BY	DMF	CHKD. BY	JRT
DATE	SC	SCALE	-- --

PART NO.	MOLEX INCORPORATED	DATE	06/04/90
REV.	1	SHEET NO.	2

SDA-30070-\*\*\*

MINI-FIT T.P.A. RT. ANGLE	SEE SHEET 1
HEADER ASS'Y .217/(5.51) X	SEE SHEET 1
.165/(4.20) W/GRID	SEE SHEET 1
MOLEX INCORPORATED	SEE SHEET 1
USA	SEE SHEET 1
6852	SEE SHEET 1
REVISIONS	SEE SHEET 1

13	12	11	10	9	8	7	6	5	4	3	2	1			
J	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING (200 MI)	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING (200 MI)	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8022	A-30070-02A3	2 FLNG	TIN	94V-0	15-97-8023	A-30070-02B3	2 PEGS	TIN	94V-0			2		
I	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8042	A-30070-04A3	4			15-97-8043	A-30070-04B3	4					4		
H	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING (50 MI)	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8047	A-30070-04A1	4	GOLD	94V-0	15-97-8048	A-30070-04B1	2	GOLD	94V-0			2		
G	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8067	A-30070-06A1	6			REL TO MFG	A-30070-06B1	6					6		
F	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8107	A-30070-10A1	10			REL TO MFG	A-30070-10B1	10					10		
E	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8127	A-30070-12A1	12			REL TO MFG	A-30070-12B1	12					12		
D	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	15-97-8167	A-30070-16A1	16			REL TO MFG	A-30070-16B1	16					16		
C	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	NO E.D.P.	A-30070-18A1	18			NO E.D.P.	A-30070-18B1	18					18		
B	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	NO E.D.P.	A-30070-20A1	20			NO E.D.P.	A-30070-20B1	20					20		
A	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.	PART NUMBER	ENG. NUMBER	CTI. MTG. SIZE OPT.	PLATING	HSG. MAT'L.
	NO E.D.P.	A-30070-22A1	22			NO E.D.P.	A-30070-22B1	22					22		
													30070		

DIMENSIONS SHOWN UNLESS NOTED OTHERWISE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS ARE IN MILLIMETERS													TITLE <b>MINI-FIT T.P.A.</b> <b>R.A. HEADER ASSEMBLY</b>
PART NO. 53007004 REV. 01 DATE 06/15/90 SHEET NO. 4 OF 4													MOLEX INCORPORATED 13500 WILSON AVENUE CHICAGO, ILL. 60642