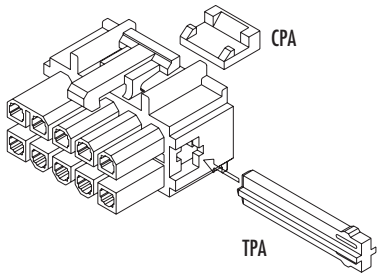
Jameco Part Number 1962527

4.20mm (.165") Pitch Mini-Fit TPA™ Receptacle

30067
Dual Row With Secondary Terminal Retention



Features and Benefits
- Receptacle housing for wire-to-wire and wire-to-board applications
- Terminal Position Assurance (TPA) allows the terminal to be fully seated in the housing assuring that it will not back out during high vibration applications
- Connector Position Assurance (CPA) assures housing cannot be inadvertently disengaged
- Contrasting color (white) TPA/CPA for high visibility
- TPA and CPA keys are sold individually to meet customer-specific needs

Reference Information
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Use With: 46083, 45750 and 5556 terminals
Mates With: 30068 housing, 30069 and 30070 headers
Designed In: Millimeters

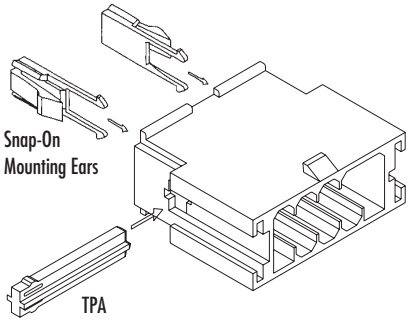
Physical
Housing: Black polyester, UL 94V-0
Operating Temperature: -40 to +105°C

Circuits	Order No.			Lead-free
	Receptacle (30067 Series)	TPA Pin (30072 Series)	CPA Key (30071 Series)	
2	15-97-5021	15-97-9041*	15-97-0071†	Yes
4	15-97-5041			
6	15-97-5061	15-97-9061		
8	15-97-5081	15-97-9081		
10	15-97-5101	15-97-9101		
12	15-97-5121	15-97-9121		
16	15-97-5161	15-97-9161		

* The same TPA pin is used for both the 2 and 4 circuit receptacles
† The same CPA key is used for all receptacles, regardless of circuit size

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

30068
Dual Row with Secondary Terminal Retention



Features and Benefits
- Plug housing for wire-to-wire applications
- Terminal Position Assurance (TPA) allows the terminal to be fully seated in the housing, assuring that it will not back out during high-vibration applications
- TPA key is sold individually to meet customer-specific needs
- Optional snap-on ears for panel mounting
- Contrasting color (white) TPA/CPA for high visibility

Reference Information
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Use With: 46314, 46012 and 5558 terminals
Mates With: 30067 housing
Designed In: Millimeters

Physical
Housing: Black polyester, UL 94V-0
Operating Temperature: -40 to +105°C

Circuits	Order No.			Lead-free
	Plug (30068 Series)	TPA Pin (30072 Series)	Snap-on Mounting Ears	
2	15-97-6021	15-97-9041*	43130-0001†	Yes
4	15-97-6041			
6	15-97-6061	15-97-9061		
8	15-97-6081	15-97-9081		
16	15-97-6161	15-97-9161		

* The same TPA pin is used for both the 2 and 4 circuit plugs
† Two snap-on mounting ears required per plug housing for panel mounting application

PRODUCT SPECIFICATION

MINI-FIT TPA

Table of Contents

Section		Page
1.0	Scope	**2**
2.0	Product Description	**2**
	2.1 Names and Series Numbers	2
	Table 1 – Wire-To-Wire	2
	Table 2 – Wire-To-Board	2
	2.2 Dimensions, Materials, Platings, and Markings	2
	2.3 Safety Agency Approvals	2
3.0	Applicable Documents and Specifications	**2**
4.0	Ratings	**3**
	4.1 Voltage	3
	4.2 Applicable Wires	3
	4.3 Maximum Current Rating (Amperes)	3
	Table 3 – Wire-To-Wire	3
	Table 4 – Wire-To-Board	3
	4.4 Temperature	4
	4.5 Wave Solder Process Temperature	4
5.0	Wire-To-Wire Performance	**5**
	5.1 Electrical Requirements	5
	5.2 Mechanical Requirements	6
	5.3 Environmental Requirements	7
6.0	Wire-To-Board Performance	**8**
	6.1 Electrical Requirements	8
	6.2 Mechanical Requirements	9
	6.3 Environmental Requirements	11
7.0	Test Sequences	**11**
8.0	Packaging	**11**

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 in Wire-To-Wire, Wire-to-Board and terminated with 16 to 28 AWG wire using Crimp technology.

2.0 PRODUCT DESCRIPTION

2.1 NAMES AND SERIES NUMBER(S)

Table 1 – WIRE-TO-WIRE				
Description	Series Number	UL	CSA	TUV
Female Crimp Terminal	5556	N/A	N/A	N/A
Receptacle Housing, TPA	30067	Yes	Yes	Yes
Male Crimp Terminal	5558	N/A	N/A	N/A
Plug Housing, TPA	30068	Yes	Yes	Yes
CPA Key	30071	N/A	N/A	N/A
TPA Key	30072	N/A	N/A	N/A

Table 2 – WIRE-TO-BOARD				
Description	Series Number	UL	CSA	TUV
Female Crimp Terminal	5556	N/A	N/A	N/A
Receptacle Housing, TPA	30067	Yes	Yes	Yes
Vertical Header, TPA	30069	Yes	Yes	Yes
Right Angle Header, TPA	30070	Yes	Yes	Yes
Vertical Header, TPA	44482	Yes	Yes	No
Right Angle Header, TPA	44483	Yes	Yes	No
CPA Key	30071	N/A	N/A	N/A
TPA Key	30072	N/A	N/A	N/A

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: LR19980
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 APPLICABLE WIRES

Applicable Wire Gauges And Maximum Insulation Diameter	16 AWG: 3.10 / .122 MAXIMUM
	18-20 AWG: 3.10 / .122 MAXIMUM
	22-28 AWG: 1.80 / .071 MAXIMUM

4.3 MAXIMUM CURRENT RATING (Amperes)

Table 3 – WIRE-TO-WIRE

Brass					Phosphor Bronze				
Ckt. Size / Wire	2-3	4 - 6	7 - 10	11 - 16	Ckt. Size / Wire	2-3	4 - 6	7 - 10	11 - 16
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 MAXIMUM CURRENT RATING (continued)

Table 4 – WIRE-TO-BOARD

Brass					Phosphor Bronze				
Wire \ Ckt. Size	2-3	4 - 6	7 - 10	11 - 16	Wire \ Ckt. Size	2-3	4 - 6	7 - 10	11 - 16
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

Note: PCB trace design may greatly affect temperature rise results.

4.4 TEMPERATURE

Operating: * - 40°C to + 105°C
Nonoperating: - 40°C to + 105°C
**Including 30°C terminal temperature rise at rated current*

4.5 WAVE SOLDER PROCESS TEMPERATURE

Headers with pegs: 240°C MAX.
Headers without pegs: 260°C MAX.

5.0 WIRE-TO-WIRE 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]
4	**Insulation Resistance**	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
5	**Dielectric Withstanding Voltage**	Mate connectors: apply a voltage of 2200 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 Per Circuit**	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	**Crimp Terminal Retention Force (in Housing With TPA Key)**	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	**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
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]

5.2 MECHANICAL REQUIREMENTS (continued)

10	**Thumb Latch Operation Force**	Depress latch at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	16.67 N (3.75 LBF) MAX.
11	**Thumb Latch Yield Strength**	Mate loaded connectors fully. Pull connectors apart at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	68 N (15.29 LBF) MIN.
12	**Panel Insertion and Withdrawal Forces (for 30067 with 43130 Snap-on Ears installed)**	Insert and withdraw a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	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
3	**Humidity (Steady State)**	Mate connectors: expose to a temperature of 60 ± 2°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
4	**Mixed Flowing Gas**	EIA-364-65 with Class IIa Gas concentrations (Gold plated only)	20 milliohms MAXIMUM Visual: No Damage

6.0 WIRE-TO-BOARD PERFORMANCE

6.1 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]
4	**Insulation Resistance**	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
5	**Dielectric Withstanding Voltage**	Mate connectors: apply a voltage of 2200 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

6.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	**Terminal Mate and Unmate Forces Per Circuit**	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	**Crimp Terminal Retention Force (in Housing With TPA Key)**	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	SEE SECTION 6.2.9
4	**Solid PC Tail Header Pin 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.	4.45 N (1.00 lbf) MINIMUM retention force
5	**Stamped PC Tail 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
6	**Durability**	Mate connectors up to 30 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	20 milliohms MAXIMUM
7	**Vibration (Random)**	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
8	**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
9	**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.

6.2 MECHANICAL REQUIREMENTS (continued)

10	**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
11	**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]
12	**PCB Peg 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)	98.0 N (22.0 lbf) MAXIMUM insertion force & 10.0 N (2.24 lbf) MINIMUM withdrawal force
13	**Thumb Latch Operation Force**	Depress latch at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	16.67 N (3.75 LBF) MAX.
14	**Thumb Latch Yield Strength**	Mate loaded connectors fully. Pull connectors apart at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	68 N (15.29 LBF) MIN.

6.3 ENVIRONMENTAL REQUIREMENTS

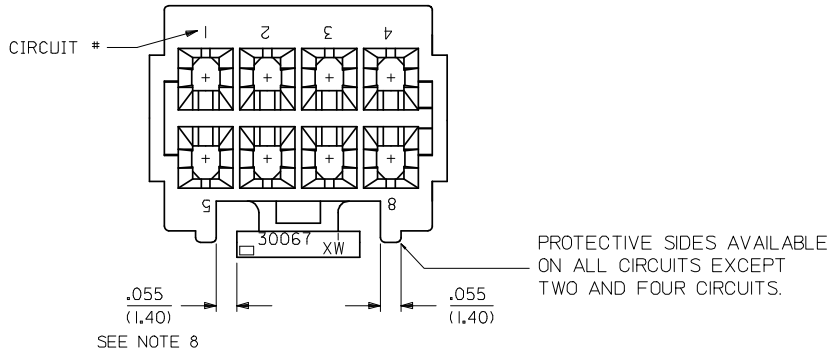
ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	**Thermal Shock**	Mate connectors: expose for 5 cycles Between temperatures –55 and 105° C; Dwell 0.5 hours at each temperature.	20 milliohms MAXIMUM Visual: No Damage Dielectric Strength per 5.1.5 Insulation Resistance per 5.1.4
2	**Thermal Aging**	Mate connectors; expose to: 96 hours at 105 ± 2°C	20 milliohms MAXIMUM & Visual: No Damage
3	**Humidity (Steady State)**	Mate connectors: expose to a temperature of 60 ± 2°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
4	**Solderability**	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)
5	**Solder Temperature Heat Transfer Resistance**	Dip connector terminals tail in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: 260 ± 5°C	Visual: No Damage to the insulator where the terminal or pin locks to the connector housing
6	**Mixed Flowing Gas**	EIA-364-65 with Class IIa Gas concentrations (Gold plated only)	20 milliohms MAXIMUM Visual: No Damage

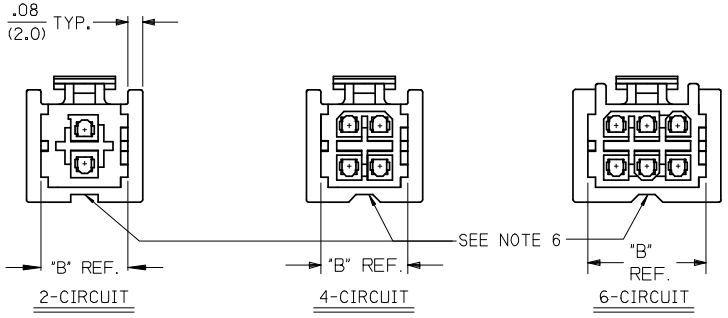
7.0 TEST SEQUENCES

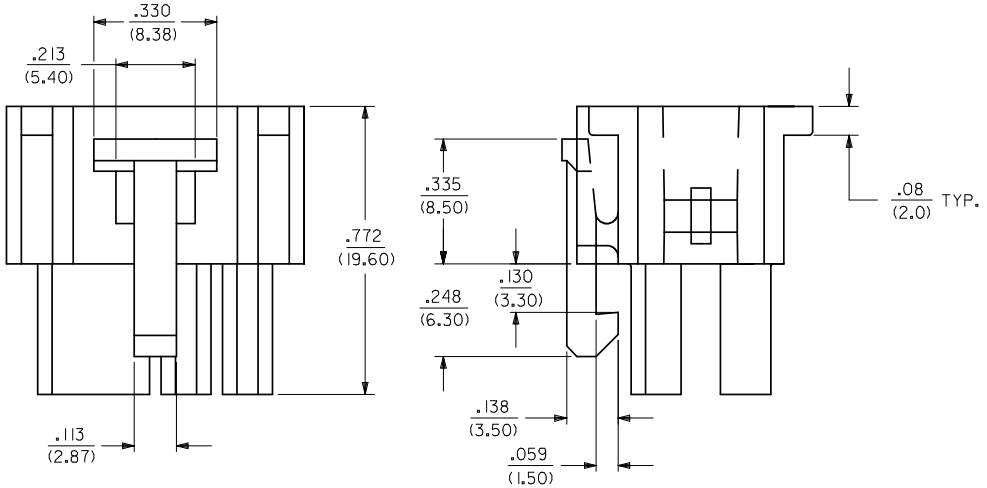
Testing sequences to be performed in accordance with EIA-364-1000.01

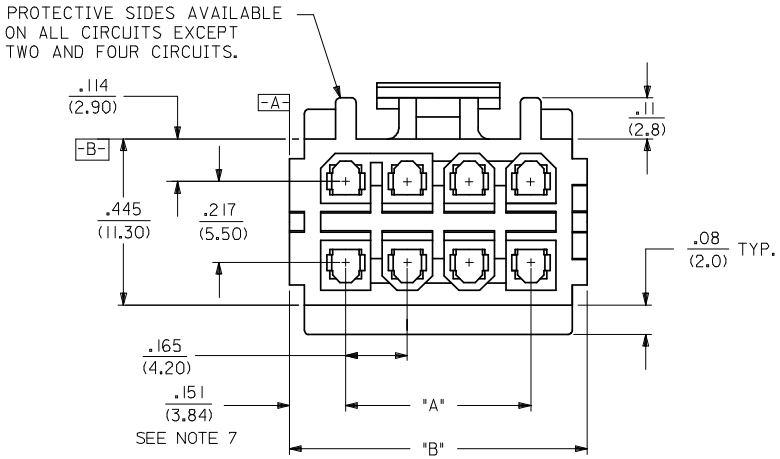
8.0 PACKAGING

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









NOTES:

1. MATERIAL: UNFILLED POLYESTER, U.L. 94V-0.
   HOUSING COLOR: MOLDED BLACK
2. FINISH: N/A
3. PRODUCT SPECIFICATION: PS-5556-003
4. PACKAGING SPECIFICATION: BULK
5. HOUSING TO BEE USED WITH TERMINAL #5556,
   AND T.P.A. LOCK #30072-*. RECEPTACLE HOUSING
   TO MATE WITH PLUG HOUSING #30068, ST. HEADER
   #30069, AND RT. ANGLE HEADERS #30070 & #44483.
   HOUSING ACCEPTS CONNECTOR POSITIONING
   ASSURANCE (C.P.A.) LOCK #30071.
6. RELIEF NOTCH IS OPTIONAL AND MAY OR MAY
   NOT APPEAR ON 2, 4, 6, 10 & 12 CIRCUIT HOUSINGS ONLY.
7. FOR 2 CKT HOUSING, DIMENSION IS .231/5.88
8. FOR 2 & 4 CKT HOUSINGS, DIMENSION IS .070/1.78
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS
   OF COSMETIC SPEC PS-45499-002.

REVISED NOTES	REV	DESCRIPTION
EC NO: UCP2009-0052	2	G
DRWN: JKLOSTERM 2008/07/10	1	G1
CH'KD: JBELL 2008/07/21		
APPR: FSMITH		
G1		

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: RJF	DATE: 09/23/91
CHECKED BY: GEP	DATE: 09/23/91
APPROVED BY: RAS	DATE: 09/23/91

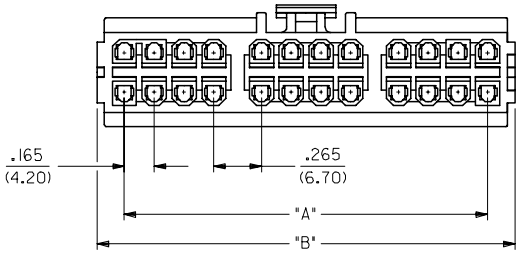
TITLE: 2-24 CKT. RECPT. HSG. MINI-FIT T.P.A. SERIES

molex MOLEX INCORPORATED

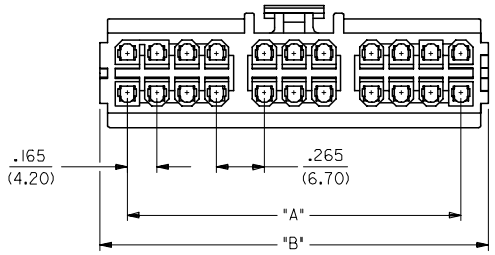
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-30067-*
SHEET NO.: 1 OF 2

SIZE: C

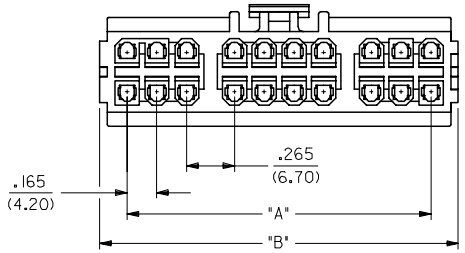
CKT. SIZE	ENG. NO.	EDP. NO.	DIM. "A"	DIM. "B"
02	30067-02A2	15-97-5021	——	.467 (11.86)
04	30067-04A2	15-97-5041	.165 (4.20)	.467 (11.86)
06	30067-06A2	15-97-5061	.331 (8.40)	.633 (16.08)
08	30067-08A2	15-97-5081	.496 (12.60)	.798 (20.27)
10	30067-10A2	15-97-5101	.661 (16.80)	.963 (24.46)
12	30067-12A2	15-97-5121	.827 (21.00)	1.129 (28.68)
14	30067-14A2	NOT TOOLED	.992 (25.20)	1.294 (32.87)
16	30067-16A2	15-97-5161	1.157 (29.40)	1.459 (37.06)
18	30067-18A2	NOT TOOLED	1.520 (38.60)	1.822 (46.28)
20	30067-20A2	NOT TOOLED	1.685 (42.80)	1.987 (50.46)
22	30067-22A2	NOT TOOLED	1.850 (47.00)	2.152 (54.66)
24	30067-24A2	NOT TOOLED	2.016 (51.20)	2.318 (58.88)



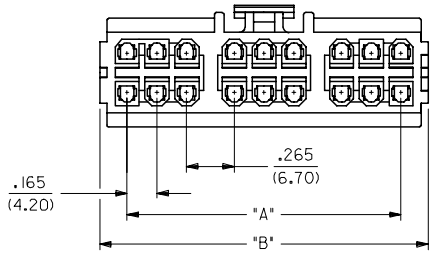
24 CIRCUIT



22 CIRCUIT



20 CIRCUIT



18 CIRCUIT

LEGEND:

30067 - ** * 2

CIRCUIT SIZE (02-24)

HOUSING COLOR
A = MOLDED BLACK

SEE SHEET ONE
EC NO: UCP2005-1142 2004/12/16
DRWN:ESTEWART 2004/12/16
CHKD:GPOLGAR 2004/12/20
APPR:YMARGULI 2004/12/20
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: RJF DATE: 09/23091
CHECKED BY: GEP DATE: 09/23/91
APPROVED BY: RAS DATE: 09/23-04

TITLE: MINI-FIT T.P.A. RECEPTACLE HOUSING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-30067-*
SHEET NO.: 2 OF 2

SIZE C