

Molex 39-31-0120 PDF

深圳创唯电子有限公司

<http://www.molex-connect.com>

MINI-FIT JR.

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DOCUMENT NUMBER: PS-5556-001	CREATED / REVISED BY: AZAHIROVIC	CHECKED BY: DSTEIER	APPROVED BY: FSMITH

1.0 SCOPE

This Product Specification covers performance requirements for the MINI-FIT JR. 4.20 mm (.165 inch) centerline (pitch) wire to board and wire to wire connector system terminated with 16 to 28 AWG standard, copper wire using Crimp technology with Tin or 30µ” Gold plating.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBER (S)

Table 1 – WIRE-TO-WIRE				
Description	Series Number	UL(600V)	CSA(600V)	IEC(250V)
Female Crimp Terminal	5556	n/a	n/a	Yes
Receptacle Housing	5557	Yes	Yes	Yes
Male Crimp Terminal	5558	n/a	n/a	Yes
Plug Housing	5559	Yes	Yes	Yes
Plug Housing	45776	Yes	Yes	Yes
Receptacle Housing	46992/46994	Yes	Yes	Yes
Plug housing	46993/172646	Yes	Yes	Yes

Table 2 – WIRE-TO-BOARD				
Description	Series Number	UL(600V)	CSA(600V)	IEC(250V)
Female Crimp Terminal	5556	n/a	n/a	Yes
Receptacle Housing	5557	Yes	Yes	Yes
Vertical Header	5566	Yes	Yes	Yes
Right Angle Header	5569	Yes	Yes	Yes
Receptacle Housing	46992/46994	Yes	Yes	Yes
Vertical Header	172447/172647	Yes	Yes	Yes
Right Angle Header	172448/172648	Yes	Yes	Yes

Other products conforming to this specification are noted on the individual drawing

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

IEC 61984 Certification : Tested to and found in compliance with IEC 61984. NRTL type examination certificate available upon request. Contact Molex Safety team for questions regarding certification on specific part numbers.

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3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

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

Application Specification: AS-45499-001 (moisturizing nylon parts)

Test Summary: TS-5556-002

Molex Solderability Specification: SMES-152

EIA-364-1000.01

4.0 RATINGS

4.1 VOLTAGE

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

*Voltage rating based on UL 1977. Maximum voltage allowed may vary dependent upon "End Use Application". Refer to the applicable end use standard for additional information on Voltage, Creepage and Clearance requirements.

4.2 APPLICABLE WIRES

Maximum Insulation Diameter and Applicable Wire Gauges	16 AWG Stranded, Copper: 3.15 mm / .124 inches MAXIMUM
	18-24 AWG Stranded, Copper: 3.10 mm / .122 inches MAXIMUM
	22-28 AWG Stranded, Copper: 1.80 mm / .071 inches MAXIMUM

4.3 MAXIMUM CURRENT RATING (Amperes)**

Table 3 - MAXIMUM CURRENT RATING (Amperes) Wire-to-Wire and Wire-to-Board										
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	

Note: PCB trace design may greatly affect temperature rise results in Wire-to-Board Applications.

** Current rating is application dependent and may be affected by the wire rating such as listed in UL-60950-1. Each application should be evaluated by the end user for compliance to specific safety agency requirements. The ratings listed in the chart above represents the MAXIMUM current carrying capacity of a fully loaded connector with all circuits powered using tinned copper conductor stranded wire per Molex test method based on a 30° C maximum temperature rise over ambient temperature and are provided as a guideline. Appropriate de-rating is required based on circuit size, ambient temperature, copper trace size on the PCB, gross heating from adjacent modules/components and other factors that influence connector performance. Wire size & stranding, tin coated or bare copper wire, wire length & crimp quality are other factors that influence current rating.

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4.4 TEMPERATURE

	Terminal Type		
	Formed Brass	Solid Brass	Phos Bronze
Operating: *	- 40°C to + 80°C	- 40°C to + 105°C	- 40°C to + 105°C
Nonoperating:	- 40°C to + 80°C	- 40°C to + 105°C	- 40°C to + 105°C

*Including 30°C terminal temperature at rated current

4.5 MAXIMUM WAVE SOLDER PROCESS TEMPERATURE

Header Type	Plating Type		
	Matte Tin over Nickel	Bright Tin over Nickel	Tin over Copper
Pegs	240°C	240°C	240°C
No Pegs	260°C	240°C	240°C
Glow Wire with Pegs Series: 172447, 172447, 172448, 172648	220°C	N/A	N/A

For Headers: Matte tin over Nickel plating is recommended for new applications.

4.6 Glow Wire

The following series are glow capable: 46992, 46993, 46994, 172646, 172447, 172448, 172648, 45776. Representative samples were tested and found compliant with EN 60695-2-11-2001 / IEC 60695-2-11-2000 Glow Wire Test Methods for End-Products. These were additionally investigated for compliance with EN 60335-1 / IEC 60335-1 750C / 2 sec with no flaming. VDE Test report available upon request.

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	Insulation Resistance	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
3	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
4	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

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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 with latch disabled.	14.7 N (3.30 lbf) MAXIMUM insertion force and 0.5 N (0.11 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	Durability	Mate connectors up to 30 cycles at a maximum rate of 10 cycles per minute Based on mated pairs of 30µ" Au or 100µ" tin at the contact interface.	20 milliohms maximum (change from initial)
4	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII, letter D. Test Duration: 15 minutes in each axis.	20 milliohms MAXIMUM (change from initial) and Discontinuity < 1 microsecond
5	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 (change from initial) and Discontinuity < 1 microsecond
6	Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute without influence from the insulation crimp. Wire pullout force is applicator dependent. Refer to relevant Molex Applicator Tooling specification.	16 Awg = 68.4 N (15.4 lbf) Min. 18 Awg = 88.0 N (19.8 lbf) Min. 20 Awg = 58.7 N (13.2 lbf) Min. 22 Awg = 39.1 N (8.8 lbf) Min. 24 Awg = 29.3 N (6.6 lbf) Min. 26 Awg = 19.6 N (4.4 lbf) Min. 28 Awg = 9.8 N (2.2 lbf) Min.
7	Crimp Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	15.0 N (3.37 lbf) MAXIMUM insertion force

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5.2 MECHANICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT	
8	Normal Force	Apply a perpendicular force to contacts.	Sn	1.47 N (150 grams) MINIMUM
			Au	0.49 N (50 grams) MINIMUM
9	Panel Insertion and Withdrawl Forces (5559, 46993, 172646 Series)	Insert and withdraw a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. Applies only to plugs with panel retention features.	225 N (50.7 lbf) MAXIMUM insertion force and Dual Row: 157 N (35.3 lbf) Single Row: 133 N (29.9 lbf) MINIMUM withdrawl force	
10	Panel Insertion and Withdrawl Forces (45776 Series)	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 and 133 N (29.9 lbf) MINIMUM withdrawl force	
11	Thumb latch Operation Force	Depress latch at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	22.2 N (5.0 lbf) MAXIMUM	
12	Thumb latch Yield Strength	Mate loaded connectors fully. Pull connectors apart at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (after 1 st mate)	68 N (15.3 lbf) MINIMUM	

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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 (change from initial) Visual: No Damage Dielectric Strength per 5.1.3 except 1500VAC test voltage Insulation Resistance per 5.1.2
2	Thermal Aging	Mate connectors; expose to: 96 hours at $105 \pm 2^{\circ}\text{C}$	20 milliohms MAXIMUM (change from initial) and Visual: No Damage
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. Remove surface moisture and air dry for 1 hour prior to measurements.	20 milliohms MAXIMUM Visual: No Damage Dielectric Strength per 5.1.3 except 1500VAC test voltage Insulation Resistance per 5.1.2
4	Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^{\circ}\text{C}$	20 milliohms MAXIMUM (change from initial) and Visual: No Damage
5	Mixed Flowing Gas	EIA-364-65 with Class IIa Gas concentrations 10 days mated (30 μ " Gold plated only)	20 milliohms MAXIMUM (change from initial) and Visual: No Damage
6	Cyclic Temperature And Humidity	Mate connectors: expose to 24 cycles from $25^{\circ}\text{C} / 80\% \text{RH}$ to $65^{\circ}\text{C} / 50\% \text{RH}$ ramp time: 0.5hr dwell time: 1hr Per EIA-364-1000.01	20 milliohms MAXIMUM (change from initial) and Visual: No Damage

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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	Insulation Resistance	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
3	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
4	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 with latch disabled.	14.7 N (3.30 lbf) MAXIMUM insertion force and 0.5 N (0.11 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	Durability	Mate connectors up to 30 cycles at a maximum rate of 10 cycles per minute Based on mated pairs of 30µ" Au or 50µ" tin at the contact interface	20 milliohms maximum (change from initial)
4	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII, letter D. Test Duration: 15 minutes in each axis.	20 milliohms MAXIMUM (change from initial) and Discontinuity < 1 microsecond

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6.2 MECHANICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	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 (change from initial) and Discontinuity < 1 microsecond
6	Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute without influence from the insulation crimp. Wire pullout force is applicator dependent. Refer to relevant Molex Applicator Tooling specification.	16 Awg = 68.4 N (15.4 lbf) Min. 18 Awg = 88.0 N (19.8 lbf) Min. 20 Awg = 58.7 N (13.2 lbf) Min. 22 Awg = 39.1 N (8.8 lbf) Min. 24 Awg = 29.3 N (6.6 lbf) Min. 26 Awg = 19.6 N (4.4 lbf) Min. 28 Awg = 9.8 N (2.2 lbf) Min.
7	Crimp Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	15.0 N (3.37 lbf) MAXIMUM insertion force
8	Normal Force	Apply a perpendicular force to contacts.	Sn 1.47 N (150 grams) MINIMUM
			Au 0.49 N (50 grams) MINIMUM
9	PCB Engagement Forces	Engage a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. Applies to parts with PCB retention features only with PCB holes at nominal diameter and location. Values will vary with PCB material & PCB fabrication and peg type.	For 5569, 172448, 172648: 26.7 to 66.7 N (6.0 to 15.0 lbf) For 5566, 172447, 172647: 4.4 to 44.5 N (1.0 TO 10.0 lbf) Typical insertion force per peg. For Reference ONLY
10	Solid PC Tail Header Pin Retention Force (in housing) (5569, 172448, 172648 Series)	Apply axial push force on the terminal in the housing at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	9.81 N (2.20 lbf) MINIMUM RETENTION FORCE
11	Stamped PC Tail Terminal Retention Force (in housing) (5566, 172447, 172647 Series)	Apply axial push force on the terminal in the housing at a rate of 25 ± 6mm (1 ± ¼ inch) per minute.	9.81 N (2.20 lbf) MINIMUM RETENTION FORCE
12	Thumb latch Operation Force	Depress latch at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	22.2 N (5.0 lbf) MAXIMUM
13	Thumb latch Yield Strength	Mate loaded connectors fully. Pull connectors apart at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (after 1 st mate)	68 N (15.3 lbf) MINIMUM

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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 (change from initial) Visual: No Damage Dielectric Strength per 6.1.3 except 1500VAC test voltage Insulation Resistance per 6.1.2
2	Thermal Aging	Mate connectors; expose to: 96 hours at 105 ± 2°C	20 milliohms MAXIMUM (change from initial) and 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. Remove surface moisture and air dry for 1 hour prior to measurements.	20 milliohms MAXIMUM (change from initial) Visual: No Damage Dielectric Strength per 6.1.3 except 1500VAC test voltage Insulation Resistance per 6.1.2
4	Solderability Dip Test	Per Molex Test Method: SMES-152	Solder area shall have minimum of 95% solder coverage
5	Wave Solder Resistance	Dip connector terminals tail in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: Use maximum solder temperature from Section 4.5	Visual: No Damage to insulator housing material
6	Cold Resistance	Mate connectors: Duration; 96 hours; Temperature: -40 ± 3°C	20 milliohms MAXIMUM (change from initial) and Visual: No Damage
7	Mixed Flowing Gas	EIA-364-65 with Class IIa Gas concentrations 10 days mated (30µ" Gold plated only)	20 milliohms MAXIMUM (change from initial) and Visual: No Damage
8	Cyclic Temperature and Humidity	Mate connectors: expose to 24 cycles from 25 °C / 80% RH to 65 °C / 50% RH ramp time: 0.5hr dwell time: 1hr Per EIA-364-1000.01	20 milliohms MAXIMUM (change from initial) and Visual: No Damage

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7.0 TEST SEQUENCES

Testing sequences are based on EIA-364-1000.01

8.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage. Nylon parts should remain in their original packaging until ready for use to prevent moisture loss or gain. Nylon will absorb moisture which causes dimensions to increase. Excess moisture gain can result in dimensions exceeding specification. For details, refer to the packaging specification called out on the applicable product sales drawing.

9.0 OTHER INFORMATION

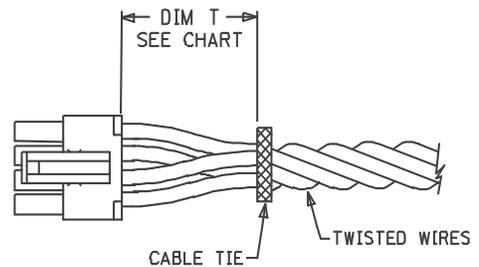
9.1 GAGES AND FIXTURES

It is recommended that test plugs (Series 44281) be used for continuity testing of receptacles. Standard mating parts should not be used for harness testing.

NOTE: The use of unauthorized testing devices and/or probes with a Molex product may cause damage to and affect functionality of the Molex product, and such use may void any and all warranties, expressed or implied.

9.2 CABLE TIE AND OR WIRE TWIST LOCATION

Circuit Sizes		Dim T Min.
Dual Row	Single Row	
2-6	2-3	.50" (12.7 mm)
8	4	.75" (19.1 mm)
10-12	5-6	1.00" (25.4 mm)
14-16	7-8	1.25" (31.75 mm)
18-20	9-10	1.50" (38.09 mm)
22-24	11-12	1.75" (44.45 mm)



The "T" dimension defines a "free" length of wire, or a length of wire that is not subject to significant bias by external factors such as a wire tie, wire twisting, or other means of bending or deforming of the wires that repositions them from their natural relaxed state or location where they enter the housing. Wires are to be dressed in such a manner to allow the terminals to float freely in the pocket. This dimension is a general recommendation and may need to be adjusted for different wire gauges and wire type and insulation thickness and insulation material.

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APPLICATION SPECIFICATION

ACCEPTABLE COLORS OF MINI-FIT JR® CONNECTORS

1.0 SCOPE

The purpose of this document is to address the acceptable color variation of molded Mini-Fit Jr® connectors.

2.0 PRODUCT NAME AND SERIES NUMBERS

Mini-Fit Jr® Receptacle Housing	5557
Mini-Fit Jr® Plug Housing	5559
Mini-Fit Jr® Vertical Header	5566
Mini-Fit Jr® Right Angle Header	5569

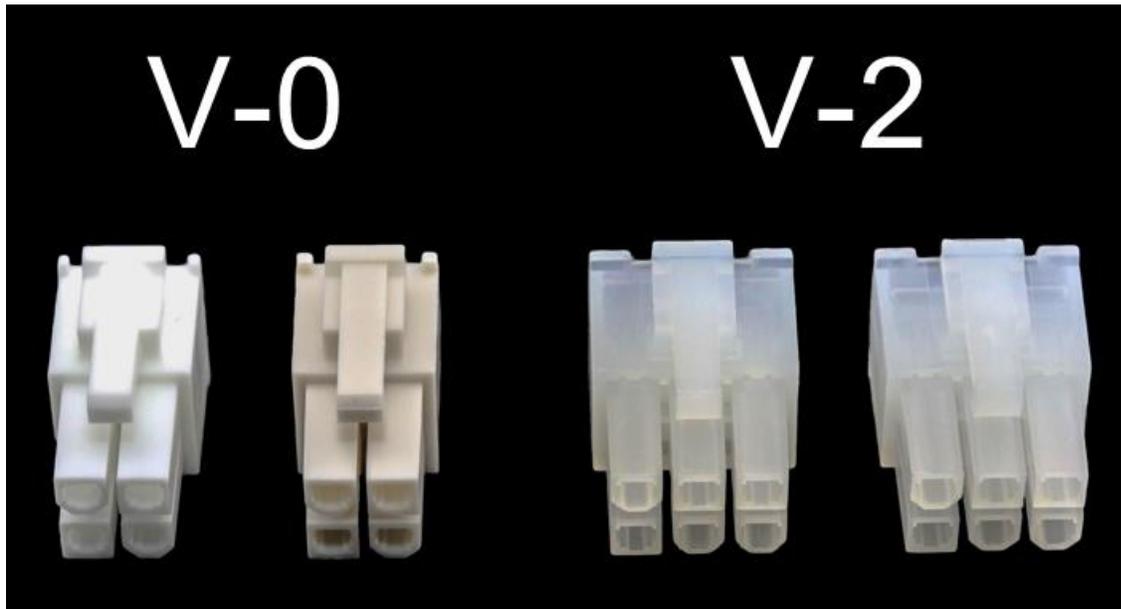
3.0 REFERENCE DOCUMENTS

See the appropriate sales drawings for information on specific part numbers and materials.

4.0 GENERAL REQUIREMENTS

Mini-Fit JR® offers a broad product line with a world wide manufacturing footprint. To provide cost effective connector solutions, Molex utilizes several different plastic material grades to mold these connectors through-out the world. These materials must pass stringent performance requirements before they are approved for use. These approved materials have slight variations in colors as shown in the figures below and all are considered acceptable. It is possible to receive the same part in more than one color variation.

Examples of acceptable colors of Mini Fit Jr® materials:



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DOCUMENT NUMBER: AS-5557-001	CREATED / REVISED BY: J.QUILES	CHECKED BY: J.BELL	APPROVED BY: F.SMITHROEMER

1. 5566-NA, -NB, -NA-210, -NAPB, -NA-400
 -NAPB-210, -NA-420,
 PACKAGING SPECIFICATION FOR 5566-NA, -NB, -NA-210, -NAPB, -NAPB-210, -NA-420, -NA-400

1-1. 製品名称: NEW MINI FIT CONN. HEADER HOUSING ASS'Y

PRODUCT NAME:
 製品番号: 5566-NA
 PART NUMBER:
 // -NB
 // -NA-210
 // -NAPB
 // -NAPB-210
 // -NA-420
 // -NA-400

1-2. 標準梱包数
 STANDARD PACKAGING QUANTITY

種数 CKT. SIZE	ポリ袋 POLY BAG		内装カートン PRIMARY CARTON [96707-0005]		外装カートン SHIPPING CARTON [96708-0005]
	ポリ袋型番 POLYBAG P/N	1袋中の製品数 Q'TY IN ONE BAG <SPQ>	ポリ袋の数 NUMBER OF BAGS	製品数 QUANTITY	製品数 (内装カートン×4) QUANTITY (PRIMARY CTN. X4)
2	96713-0002	1,000	3	3,000	12,000
4	96713-0002	500	3	1,500	6,000
6	96713-0003	500	2	1,000	4,000
8	96713-0003	500	2	1,000	4,000
10	96713-0002	200	2	400	1,600
12	96713-0002	200	2	400	1,600
14	96713-0002	200	2	400	1,600
16	96713-0003	200	2	400	1,600
18	96713-0003	200	1	200	800
20	96713-0003	200	1	200	800
22	96713-0003	200	1	200	800
24	96713-0003	200	1	200	800

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

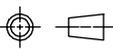
QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	CONVERT TO ANNOTATOR EC NO: 107869 DRWN: CSLAFTER CHK'D: JBELL REV APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS MM ONLY	SCALE 1:1	molex PACKAGINGS SPEC. FOR MINI-FIT JR 5566 VERT DUAL ROW HDR W/O PEGS
		MM	INCH	DRWN BY Y.TOKUZONO	DATE 1995/02/07	
		4 PLACES ±	±	CHK'D BY Y.YAMADA	DATE 1995/02/07	PACKAGING DESIGN DRAWING
		3 PLACES ±	±	APPR BY FSMITH	DATE 2010/04/09	
		2 PLACES ±	±	DRAWING SIZE A	THIRD ANGLE PROJECTION	SERIES 5566
		1 PLACES ±	±	ANGULAR TOL ± 0.5		MATERIAL NUMBER SEE CHART
		0 PLACES ±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CUSTOMER GENERAL MARKET
				DOCUMENT NUMBER PK-5566		DOC TYPE PDD
				DOC PART 000		SHEET NUMBER 1 OF 2

2. 5566-NAGS, -NAGS-210 梱包仕様
PACKAGING SPECIFICATION FOR 5566-NAGS, -NAGS-210

2-1. 製品名称: NEW MINI FIT CONN. HEADER HOUSING ASS'Y
PRODUCT NAME:
製品番号: 5566-NAGS
PART NUMBER: // -NAGS-210

2-2. 標準梱包数
STANDARD PACKAGING QUANTITY

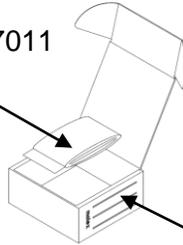
種数 CKT. SIZE	ポリ袋 POLY BAG		内装カートン PRIMARY CARTON [96707-0005]		外装カートン SHIPPING CARTON [96708-0005]
	ポリ袋型番 POLYBAG P/N	1袋中の製品数 Q'TY IN ONE BAG <SPQ>	ポリ袋の数 NUMBER OF BAGS	製品数 QUANTITY	製品数 (内装カートン×4) QUANTITY (PRIMARY CTN. X4)
2	96713-0001	200	15	3,000	12,000
4	96713-0001	100	15	1,500	6,000
6	96713-0002	100	10	1,000	4,000
8	96713-0002	100	10	1,000	4,000
10	96713-0002	100	4	400	1,600
12	96713-0002	100	4	400	1,600
14	96713-0002	100	4	400	1,600
16	96713-0002	100	4	400	1,600
18	96713-0002	100	2	200	800
20	96713-0002	100	2	200	800
22	96713-0002	100	2	200	800
24	96713-0002	100	2	200	800

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	CONVERT TO ANNOTATOR EC NO: 107869 DRWN: CSLAFTER CHK'D: JBELL REV APPR: FSMITH 2016/08/26 2016/09/20 2016/09/23	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION UNITS		SCALE			
MM		INCH		MM ONLY		1:1					
 = 0		4 PLACES ±		±		DRWN BY		DATE		PACKAGINGS SPEC. FOR MINI-FIT JR 5566 VERT DUAL ROW HDR W/O PEGS	
 = 0		3 PLACES ±		±		Y.TOKUZONO		1995/02/07			
 = 0		2 PLACES ±		±		CHK'D BY		DATE			
 = 0		1 PLACES ±		±		Y.YAMADA		1995/02/07			
 = 0		0 PLACES ±		±		APPR BY		DATE		PACKAGING DESIGN DRAWING	
 = 0		ANGULAR TOL ± 0.5				FSMITH		2010/04/09			
 = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES: 5566 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET	
 = 0		F1				A				DOCUMENT NUMBER: PK-5566 DOC TYPE: PDD DOC PART: 000 SHEET NUMBER: 2 OF 2	



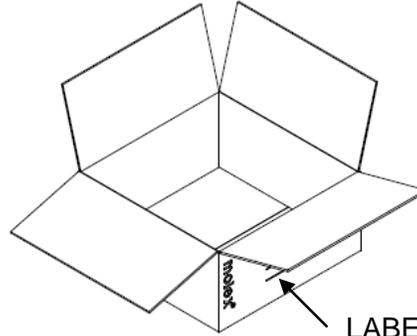
PACKAGING SPECIFICATION

ANTISTAT BAG:
PER ES-40000-7011



LABEL: PER
ES-40000-7012

OPTION A:
CARTON
96707-0012



LABEL: PER
ES-40000-7012

OPTION B:
CARTON 96708-0007
LOADED WITH 96707-0012

CKTS	PART DESCRIPTION		ENG. NO. SUFFIX (REF)	BAG MATERIAL NUMBER	SPQ	BAGS PER 96707-0012	96707-0012 PER 96708-0007
	ROW	MOUNT					
02	DUAL	NO PEG	5566-02A*	85091016 (70180-1423) or Equivalent	1200	1	8
04	DUAL	NO PEG	5566-04A*		700	1	8
06	DUAL	NO PEG	5566-06A*		500	1	8
08	DUAL	NO PEG	5566-08A*		300	1	8
10	DUAL	NO PEG	5566-10A*		250	1	8
12	DUAL	NO PEG	5566-12A*		225	1	8
14	DUAL	NO PEG	5566-14A*		150	1	8
16	DUAL	NO PEG	5566-16A*		150	1	8
18	DUAL	NO PEG	5566-18A*		150	1	8
20	DUAL	NO PEG	5566-20A*		100	1	8
22	DUAL	NO PEG	5566-22A*		100	1	8
24	DUAL	NO PEG	5566-24A*		75	1	8

REVISION: B	ECR/ECN INFORMATION: EC No: 109269 DATE: 2016/10/12	TITLE: BULK PACKAGING SPECIFICATION FOR: 5566 DUAL ROW W/O PEGS HEADER ASS'YS	SHEET No. 1 of 1
DOCUMENT NUMBER: PK-5566-003	CREATED / REVISED BY: GES	CHECKED BY: JBELL	APPROVED BY: FSMITH