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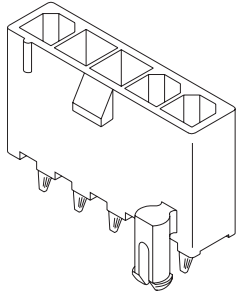
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Jameco Part Number 1969171

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

5566

Vertical, Single Row With Pegs



Features and Benefits

- Positive housing locks to mate with Mini-Fit Jr. single row receptacles 5557
- Fully isolated terminals to protect contacts from damage
- Peg-mounted vertical headers for increased board retention
- Drain holes are standard to allow washing of PCB after processing (contact Molex for headers without drain holes)

Reference Information

Packaging: Tube or bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557 single row receptacle
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

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

Mechanical

Insertion Force to PCB: 5.0kg max.
Durability: 30 cycles

Physical

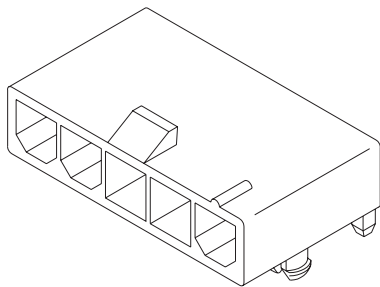
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass or Phosphor Bronze
Plating: Tin or Select Gold
Underplating: Nickel
Operating Temperature: -40 to +105°C

Circuits	Order No.				Lead-free
	Tin Plated		Select Gold Plated (30µ")		
	94V-2	94V-0	94V-2	94V-0	
3	39-30-5039	39-30-6030	39-30-2037	39-30-2038	Yes
4	39-30-5049	50-30-4466	39-30-2047	39-30-2048	
5		50-30-4467		39-30-2058	

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

5569

Right Angle, Single Row With Pegs



Features and Benefits

- Pegs provide increased board retention
- Ideal for low profile power applications
- Positive housing locks to mate with Mini-Fit Jr. single row receptacles 5557
- Fully isolated terminals to protect contacts from damage

Reference Information

Packaging: Tray or bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5557 single row receptacle
TUV License No.: R75142
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
45750	12.0A	12.0A	12.0A	11.0A

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

Mechanical

Insertion Force to PCB: 5.0kg max.
Durability: 30 cycles

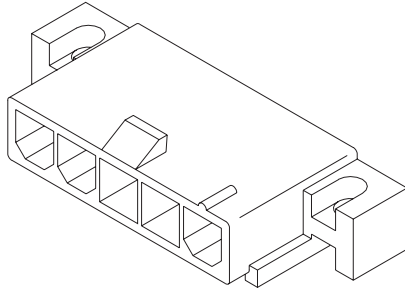
Physical

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 Plated		Select Gold Plated		
	94V-2	94V-0	94V-2	94V-0	
3	39-30-7031	39-30-7032	39-30-4031	39-30-4032	Yes
4	39-30-7041	39-30-7042	50-30-4438	50-30-4441	
5	39-30-7051	39-30-7052	50-30-4439	50-30-4442	

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

5569 Right Angle, Single Row With Flanges



Features and Benefits

- Flanges allow for screw-in retention to board-mounted headers
- Low profile is ideal for power applications with space constraints

Reference Information

Packaging: Tray or bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557 single row receptacle
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
45750	12.0A	12.0A	12.0A	11.0A

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

Mechanical

Insertion Force to PCB: 5.0kg max.
Durability: 30 cycles

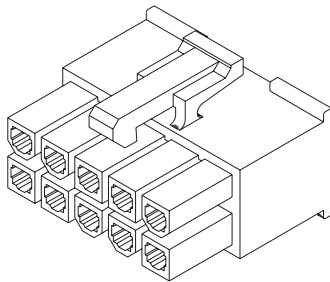
Physical

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 Plated		Select Gold Plated		
	94V-2	94V-0	94V-2	94V-0	
3	39-30-6039	39-30-7030	39-30-4037	39-30-4038	Yes
4	39-30-6049		50-30-4443		

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

5557 Dual Row



Features and Benefits

- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Thumb latch for easy unmating

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5559, 5566, 5569, 42404, 42440, 42475, 43810, 43879 and 44068 dual row connectors
Use With: 5556, 46083 or 45750 terminals
Designed In: Millimeters

Electrical

Current: (Used with 16 AWG)

Series	Circuits			
	2-3	4-6	7-10	12-24
46083	9.0A	8.0A	7.0A	6.0A
45750	12.0A	12.0A	12.0A	11.0A

Mechanical

Contact Insertion Force: 1.5kg max.
Contact Retention to Housing: 3.0kg min.

Physical

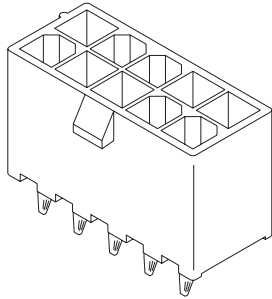
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Operating Temperature: -40 to +105°C

Circuits	Order No.		Circuits	Order No.	
	94V-2	94V-0		94V-2	94V-0
2	39-01-2020	39-01-2025	14	39-01-2140	39-01-2145
4	39-01-2040	39-01-2045	16	39-01-2160	39-01-2165
6	39-01-2060	39-01-2065	18	39-01-2180	39-01-2185
8	39-01-2080	39-01-2085	20	39-01-2200	39-01-2205
10	39-01-2100	39-01-2105	22	39-01-2220	39-01-2225
12	39-01-2120	39-01-2125	24	39-01-2240	39-01-2245

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

5566

Vertical, Dual Row
Without Pegs, without Drain Holes



Features and Benefits

- Positive housing locks to mate with Mini-Fit Jr. receptacle
- Fully isolated terminals to protect contacts from damage
- Drain hole option available, contact Molex

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557 dual row 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

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

Mechanical

Insertion Force to PCB: 5.0kg max.
Durability: 30 cycles

Physical

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

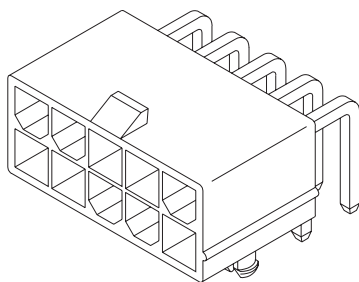
Circuits	Order No.		Lead-free
	94V-2	94V-0	
2	39-28-1023	39-28-8020	Yes
4	39-28-1043	39-28-8040	
6	39-28-1063	39-28-8060	
8	39-28-1083	39-28-8080	
10	39-28-1103	39-28-8100	
12	39-28-1123	39-28-8120	

Circuits	Order No.		Lead-free
	94V-2	94V-0	
14	39-28-1143	39-28-8140	Yes
16	39-28-1163	39-28-8160	
18	39-28-1183	39-28-8180	
20	39-28-1203	39-28-8200	
22	39-28-1223	39-28-8220	
24	39-28-1243	39-28-8240	

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

5569

Right Angle, Dual Row with Pegs



Features and Benefits

- Board mounting pegs provide polarization during placement on PCB and increased board retention during solder processing
- Low profile for space constraints
- Positive housing locks
- Fully isolated terminals to protect contacts from damage

Reference Information

Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557 dual row 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
45750	12.0A	12.0A	12.0A	11.0A

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

Mechanical

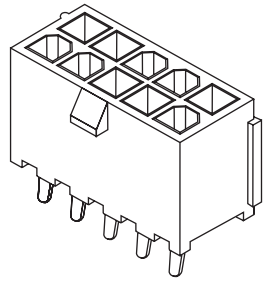
Insertion Force to PCB: 5.0kg max.
Durability: 30 cycles

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 Plated		Select Gold Plated (30µ")		
	94V-2	94V-0	94V-2	94V-0	
2	39-30-7025	39-30-7026	39-30-0023	39-30-0024	Yes
4	39-30-7045	39-30-7046	39-30-0043	39-30-0044	
6	39-30-7065	39-30-7066	39-30-0063	39-30-0064	
8	39-30-7085	39-30-7086	39-30-0083	39-30-0084	
10	39-30-7105	39-30-7106	39-30-0103	39-30-0104	
12	39-30-7125	39-30-7126	39-30-0123	39-30-0124	
14	39-30-7145	39-30-7146	39-30-0143	39-30-0144	
16	39-30-7165	39-30-7166	39-30-0163	39-30-0164	
18	39-30-7185		39-30-0183		
20	39-30-7205	39-30-7206	39-30-0203	39-30-0204	
22	39-30-7225				
24	39-30-7245	39-30-7246	39-30-0243	39-30-0244	

4.20mm (.165") Pitch Mini-Fit Jr.™ Wire-to-Board Header

87427
**Vertical without Flanges
High Temperature Material**


Features and Benefits

- Sizes 2 to 24 circuits
- Molded in high temperature, surface mount compatible material
- Fully isolated terminals to protect contacts from damage

Reference Information

Product Specification: PS-87427-0001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5557 dual row receptacle
 Designed in: Millimeters

Electrical

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

Circuits	2-3	4-6	7-10	12-24
Jr.	9.0A	8.0A	7.0A	6.0A
HCS	12.0A	11.0A	10.0A	9.0A

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

Mechanical

Pin Retention Force: 9.81N (2.2 lb) min.
 Mating Force: 14.23N (3.19 lb) max.
 Unmating Force: 0.50N (0.11 lb) max.
 Durability: 30 cycles

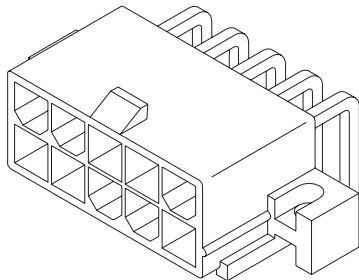
Physical

Housing: 4/6 Nylon, UL 94V-0
 Contact: Brass (1.07 square)
 Plating: Tin
 Operating Temperature: -40 to +105°C

Circuits	Order No.		Lead-free
	Tin Over Nickel Plating	Tin Over Copper Plating	
2	87427-0242	87427-0243	Yes
4	87427-0442	87427-0443	
6	87427-0642	87427-0643	
8	87427-0842	87427-0843	
10	87427-1042	87427-1043	
12	87427-1242	87427-1243	

Circuits	Order No.		Lead-free
	Tin Over Nickel Plating	Tin Over Copper Plating	
14	87427-1442	87427-1443	Yes
16	87427-1642	87427-1643	
18	87427-1842	87427-1843	
20	87427-2042	87427-2043	
22	87427-2242	87427-2243	
24	87427-2442	87427-2443	

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

5569
**Right Angle, Dual Row
With Flanges**


Features and Benefits

- Flanges allow for screw-in retention to board-mounted header
- Low profile for space constraints
- Positive housing locks

Reference Information

Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 TUV License No.: R75142
 Mates With: 5557 dual row 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
45750	12.0A	12.0A	12.0A	11.0A

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

Mechanical

Insertion Force to PCB: 5.0kg max.
 Durability: 30 cycles

Physical

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

Circuits	Order No.		Lead-free
	94V-2	94V-0	
2	39-29-1028	39-29-1027	Yes
4	39-29-1048	39-29-1047	
6	39-29-1068	39-29-1067	
8	39-29-1088	39-29-1087	
10	39-29-1108	39-29-1107	
12	39-29-1128	39-29-1127	

Circuits	Order No.		Lead-free
	94V-2	94V-0	
14	39-29-1148	39-29-1147	Yes
16	39-29-1168	39-29-1167	
18	39-29-1188	39-29-1187	
20	39-29-1208	39-29-1207	
22	39-29-1228	39-29-1227	
24	39-29-1248	39-29-1247	



PRODUCT SPECIFICATION

MINI-FIT JR.

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E1	EC No: UCP2009-0335 DATE: 2008/08/07	PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	1 of 9
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH



PRODUCT SPECIFICATION

1.0 SCOPE

This Product Specification covers performance requirements for the MINI-FIT JR. 4.20 mm (.165 inch) centerline (pitch) printed circuit board (PCB) connector series with Tin or Gold plating, and The MINI-FIT JR. 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)

Table 1 – WIRE-TO-WIRE					
Description	Series Number	RoHS	UL	CSA	TUV
Female Crimp Terminal	5556	Yes	n/a	n/a	n/a
Receptacle Housing	5557	Yes	Yes	Yes	Yes
Male Crimp Terminal	5558	Yes	n/a	n/a	n/a
Plug Housing	5559	Yes	Yes	Yes	Yes

Table 2 – WIRE-TO-BOARD					
Description	Series Number	RoHS	UL	CSA	TUV
Female Crimp Terminal	5556	Yes	n/a	n/a	n/a
Receptacle Housing	5557	Yes	Yes	Yes	Yes
Vertical Header	5566	Yes	Yes	Yes	Yes
Right Angle Header	5569	Yes	Yes	Yes	Yes

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.

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DOCUMENT NUMBER: PS-5556-001		CREATED / REVISED BY: JKLOSTERMEIER	CHECKED BY: JBELL
		APPROVED BY: FSMITH	



PRODUCT SPECIFICATION

4.0 RATINGS

4.1 VOLTAGE

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

4.2 APPLICABLE WIRES

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

4.3 MAXIMUM CURRENT RATING (Amperes)

Table 3 - 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

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

4.4 TEMPERATURE

Operating: * - 40°C to + 105°C

Nonoperating: - 40°C to + 105°C

**Including 30°C terminal temperature at rated current*

4.5 WAVE SOLDER PROCESS TEMPERATURE

Headers with pegs: 240°C Maximum

Headers without pegs: 260°C Maximum

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		APPROVED BY: FSMITH	



PRODUCT SPECIFICATION

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 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 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 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 prior to Environmental Tests.	20 milliohms MAXIMUM

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PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH



PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT	
4	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 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 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).	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.	
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).	15.0 N (3.37 lbf) MAXIMUM insertion force	
8	Normal Force	Apply a perpendicular force.	Sn	1.47 N (150 grams) MINIMUM
			Au	0.49 N (50 grams) MINIMUM
9	Panel Insertion and Withdrawl Forces	Insert and withdraw a connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Applies only to plugs with panel retention feature)	225 N (50.7 lbf) MAXIMUM insertion force and 157 N (35.3 lbf) MINIMUM withdrawl force	
10	Thumblatch Operation Force	Depress latch at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	16.67 N (3.75 lbf) MAXIMUM	
11	Thumblatch Yield Strength	Mate loaded connectors fully. Pull apart via wires at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	68 N (15.3 lbf) MINIMUM	

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DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH



PRODUCT SPECIFICATION

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 $105 \pm 2^{\circ}\text{C}$	20 milliohms MAXIMUM 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.	20 milliohms MAXIMUM Visual: No Damage Dielectric Strength per 5.1.5 Insulation Resistance per 5.1.4
4	Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^{\circ}\text{C}$	20 milliohms MAXIMUM and Visual: No Damage
5	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 and Visual: No Damage

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DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH



PRODUCT SPECIFICATION

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 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

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 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 prior to Environmental Tests.	20 milliohms MAXIMUM

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PRODUCT SPECIFICATION

6.2 MECHANICAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT	
4	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 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 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).	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.	
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).	15.0 N (3.37 lbf) MAXIMUM insertion force	
8	Normal Force	Apply a perpendicular force.	Sn	1.47 N (150 grams) MINIMUM
			Au	0.49 N (50 grams) MINIMUM
9	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 and 10.0 N (2.24 lbf) MINIMUM withdrawal force	
10	Pin Retention Force	Apply axial push force at the speed rate of 25 ± 3mm/minute.	9.81 N (2.20 lbf) MINIMUM RETENTION FORCE	
11	Thumblatch Operation Force	Depress latch at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	16.67 N (3.75 lbf) MAXIMUM	
12	Thumblatch Yield Strength	Mate loaded connectors fully. Pull apart via wires at a speed rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	68 N (15.3 lbf) MINIMUM	

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
E1	EC No: UCP2009-0335 DATE: 2008/08/07	PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	8 of 9
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH



PRODUCT SPECIFICATION

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 6.1.5 Insulation Resistance per 6.1.4
2	Thermal Aging	Mate connectors; expose to: 96 hours at $105 \pm 2^{\circ}\text{C}$	20 milliohms MAXIMUM 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.	20 milliohms MAXIMUM Visual: No Damage Dielectric Strength per 6.1.5 Insulation Resistance per 6.1.4
4	Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)
5	Solder Resistance	Dip connector terminals tail in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: $260 \pm 5^{\circ}\text{C}$	Visual: No Damage to insulator material
6	Cold Resistance	Mate connectors: Duration; 96 hours; Temperature: $-40 \pm 3^{\circ}\text{C}$	20 milliohms MAXIMUM and 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 and 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 handling, transit and storage.

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E1	EC No: UCP2009-0335 DATE: 2008/08/07	PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	9 of 9
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-5556-001	JKLOSTERMEIER	JBELL	FSMITH

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LEGEND:

5569 - N A * * * * *

BASE NUMBER

CIRCUIT SIZE

ASSEMBLY

MOUNTING OPTION
(SEE NOTE 6.)

PLATING
(SEE NOTE 2.)

HOUSING MAT'L.
(SEE NOTE 1.)

PACKAGING
(SEE NOTE 4.)

CIRCUIT SIZE

DIM. "A"

DIM. "B"

6	.54 (13.8)	.33 (8.4)
8	.71 (18.0)	.50 (12.6)
10	.87 (22.2)	.66 (16.8)
12	1.04 (26.4)	.83 (21.0)
14	1.20 (30.6)	.99 (25.2)
16	1.37 (34.8)	1.16 (29.4)
18	1.54 (39.0)	1.32 (33.6)
20	1.70 (43.2)	1.49 (37.8)
22	1.87 (47.4)	1.65 (42.0)
24	2.03 (51.6)	1.82 (46.2)

.11
(2.9)

.50
(12.8)

RIB MAY BE PRESENT

.14±.030
(3.6±.76)

.042 REF.
(1.07)

.26
(6.6)

.217±.015
(5.50±.38)

.287±.015
(7.30±.38)

NOTES:

1) MATERIAL:

HOUSING:

"BLANK" = NYLON (PA66), UNFILLED, UL94V-2, COLOR: NATURAL

"100" = NYLON (PA66), UNFILLED, UL94V-2, COLOR: BLACK

"BL" = NYLON (PA66), UNFILLED, UL94V-2, COLOR: BLACK

"210" = NYLON (PA66), UNFILLED, UL94V-0, COLOR: NATURAL

"400" = NYLON (PA66), UNFILLED, UL94V-0, COLOR: BLACK

TERMINAL:

BRASS ALLOY

2) FINISH (PLATING):

"BLANK" = .000200/(0.00508) MIN. BRIGHT TIN OVER .000100/(0.00254) MIN. COPPER

"G" = .000030/(0.00076) MIN. GOLD OVER .000050/(0.00127) MIN. NICKEL

"G2" = .000015/(0.00038) MIN. GOLD OVER .000030/(0.00076) MIN. NICKEL

"G3" = .000050/(0.00127) MIN. GOLD OVER .000050/(0.00127) MIN. NICKEL

"*GS" = .000030/(0.00076) MIN. SELECT GOLD OVER .000100/(0.00254) MIN.SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

"*GS2" = .000015/(0.00038) MIN. SELECT GOLD OVER .000100/(0.00254) MIN.SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

"*GS3" = .000050/(0.00127) MIN. SELECT GOLD OVER .000100/(0.00254) MIN.SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

"S" = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

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

3) PRODUCT SPECIFICATION: SHOWN IN CHART AT RIGHT

4) PACKAGING:

"BLANK" = BULK PACKED PER PK-5569-002

"T" = TRAY PACKED PER PK-5569-003

5) PART MATES WITH MINI-FIT JR. RECEPTACLE SERIES 5557.

6) MOUNTING OPTIONS:

1 = SCREW MOUNT (SEE SD-5569-NA* SERIES DRAWING)

2 = PEG MOUNT

7) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.

8) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-55499-002.

9) CONNECTORS ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.

10) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

LAST CKT.

"A"

"B" REF.

.042 REF.
(1.07)

CKT. #2

CKT. #1

5569-AA2*

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

"B" ±.004
(±.10)

CKT. #6

CKT. #1

.38
(9.6)

.165
(4.20) REF.

CKT. #3

CKT. #1

5569-04A2*

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

.165±.004
(4.20±.10) NON-ACCUM.

CKT. #3

CKT. #1

.083±.003
(2.10±.08)

.21
(5.4)

.38
(9.6)

.10
(2.5)

.165
(4.20) REF.

.070
(1.78)

CKT. #1

.016
(.40)

5569-02A2*

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

.217±.004
(5.50±.10)

.071±.002
(1.80±.05) DIA.

CKT. #1

.287±.003
(7.30±.08)

.118±.002
(3.00±.05) DIA.

5569-AA2S-BL

5569-AA2G3-BL

5569-AA2G2-BL

5569-AA2G-BL

5569-AA2-BL

5569-AA2G3 & -AA2G3-210

5569-AA2S & -AA2S-210

5569-AA2GS3 & -AA2GS3-210

5569-AA2GS2 & -AA2GS2-210

5569-AA2GS & -AA2GS-210

5569-AA2G2 & -AA2G2-210

5569-AA2G & -AA2G-210

5569-AA2 & -AA2-210

PS-5556-001

PS-5556-001

PS-5556-001

PS-5556-001

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PS-5556-001

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PS-5556-001

ENG. NO.

PROD. SPEC. NO.

PRODUCT SPEC. CHART

MINI-FIT JR RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS

MOLEX INCORPORATED

SDA-5569-NA2*-*

1 OF 6

CORRECTED DIMENSION

EC NO: UCP2009-0576

DRWN:JKLOSTEWIER/2008/10/07

CHKD:JBELL 2008/10/08

APPR:FSM/TH 2008/10/08

REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .010

2 PLACES ± .25 ± .015

1 PLACE ± .38 ± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

2-6

GENERAL DOCS.

L

1

MEIO

L1

SHT.

SOFTWARE

REV.

DIMENSION STYLE

IN/MM

DRAWN BY

DATE

1988/02/16

CHECKED BY

DATE

1988/02/16

APPROVED BY

DATE

1988/02/16

MATERIAL NO.

DOCUMENT NO.

SHEET NO.

tb_frame_C_P_ME_T

Rev. E 2006/04/15

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BULK PACKAGED PER PK-5569-002

PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L
39-30-1020	5569-02A2	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	94V-2	39-30-0020	5569-02A2-210	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	94V-0
39-30-1040	5569-04A2	4			39-30-0040	5569-04A2-210	4		
39-30-1060	5569-06A2	6			39-30-0060	5569-06A2-210	6		
39-30-1080	5569-08A2	8			39-30-0080	5569-08A2-210	8		
39-30-1100	5569-10A2	10			39-30-0100	5569-10A2-210	10		
39-30-1120	5569-12A2	12			39-30-0120	5569-12A2-210	12		
39-30-1140	5569-14A2	14			39-30-0140	5569-14A2-210	14		
39-30-1160	5569-16A2	16			39-30-0160	5569-16A2-210	16		
39-30-1180	5569-18A2	18			39-30-0180	5569-18A2-210	18		
39-30-1200	5569-20A2	20			39-30-0200	5569-20A2-210	20		
39-30-1220	5569-22A2	22			39-30-0220	5569-22A2-210	22		
39-30-1240	5569-24A2	24			39-30-0240	5569-24A2-210	24		

39-30-1021	5569-02A2G	2	30 μ" GOLD SEE NOTE 2 OPTION "G"	94V-2	39-30-1022	5569-02A2G-210	2	30 μ" GOLD SEE NOTE 2 OPTION "G"	94V-0
39-30-1041	5569-04A2G	4			39-30-1042	5569-04A2G-210	4		
39-30-1061	5569-06A2G	6			39-30-1062	5569-06A2G-210	6		
39-30-1081	5569-08A2G	8			39-30-1082	5569-08A2G-210	8		
39-30-1101	5569-10A2G	10			39-30-1102	5569-10A2G-210	10		
39-30-1121	5569-12A2G	12			39-30-1122	5569-12A2G-210	12		
39-30-1141	5569-14A2G	14			39-30-1142	5569-14A2G-210	14		
39-30-1161	5569-16A2G	16			39-30-1162	5569-16A2G-210	16		
39-30-1181	5569-18A2G	18			39-30-1182	5569-18A2G-210	18		
39-30-1201	5569-20A2G	20			39-30-1202	5569-20A2G-210	20		
39-30-1221	5569-22A2G	22			39-30-1222	5569-22A2G-210	22		
39-30-1241	5569-24A2G	24			39-30-1242	5569-24A2G-210	24		

39-30-0021	5569-02A2G2	2	15 μ" GOLD SEE NOTE 2 OPTION "G2"	94V-2	39-30-0022	5569-02A2G2-210	2	15 μ" GOLD SEE NOTE 2 OPTION "G2"	94V-0
39-30-0041	5569-04A2G2	4			39-30-0042	5569-04A2G2-210	4		
39-30-0061	5569-06A2G2	6			39-30-0062	5569-06A2G2-210	6		
39-30-0081	5569-08A2G2	8			39-30-0082	5569-08A2G2-210	8		
39-30-0101	5569-10A2G2	10			39-30-0102	5569-10A2G2-210	10		
39-30-0121	5569-12A2G2	12			39-30-0122	5569-12A2G2-210	12		
39-30-0141	5569-14A2G2	14			39-30-0142	5569-14A2G2-210	14		
39-30-0161	5569-16A2G2	16			39-30-0162	5569-16A2G2-210	16		
39-30-0181	5569-18A2G2	18			39-30-0182	5569-18A2G2-210	18		
39-30-0201	5569-20A2G2	20			39-30-0202	5569-20A2G2-210	20		
39-30-0221	5569-22A2G2	22			39-30-0222	5569-22A2G2-210	22		
39-30-0241	5569-24A2G2	24			39-30-0242	5569-24A2G2-210	24		

NOT TOOLED	5569-02A2G3	2	50 μ" GOLD SEE NOTE 2 OPTION "G3"	94V-2	NOT TOOLED	5569-02A2G3-210	2	50 μ" GOLD SEE NOTE 2 OPTION "G3"	94V-0
15-27-1514	5569-04A2G3	4			NOT TOOLED	5569-04A2G3-210	4		
15-27-1511	5569-06A2G3	6			NOT TOOLED	5569-06A2G3-210	6		
15-27-1512	5569-08A2G3	8			NOT TOOLED	5569-08A2G3-210	8		
15-27-1503	5569-10A2G3	10			15-27-1504	5569-10A2G3-210	10		
NOT TOOLED	5569-12A2G3	12			NOT TOOLED	5569-12A2G3-210	12		
NOT TOOLED	5569-14A2G3	14			NOT TOOLED	5569-14A2G3-210	14		
15-27-1513	5569-16A2G3	16			NOT TOOLED	5569-16A2G3-210	16		
NOT TOOLED	5569-18A2G3	18			NOT TOOLED	5569-18A2G3-210	18		
NOT TOOLED	5569-20A2G3	20			NOT TOOLED	5569-20A2G3-210	20		
NOT TOOLED	5569-22A2G3	22			NOT TOOLED	5569-22A2G3-210	22		
NOT TOOLED	5569-24A2G3	24			NOT TOOLED	5569-24A2G3-210	24		

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
L	EC No: UCP2007-2432 DATE: 2007/04/02	MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS	- 2 -

DOCUMENT NUMBER:	Drawn By:	Checked By:	Approved By:
SDA-5569-NA2*-*	LSCHMIDT	ADERR	FSMITH

BULK PACKAGED PK-5569-002									
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L
39-30-0023	5569-02A2GS	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-2	39-30-0024	5569-02A2GS-210	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-0
39-30-0043	5569-04A2GS	4			39-30-0044	5569-04A2GS-210	4		
39-30-0063	5569-06A2GS	6			39-30-0064	5569-06A2GS-210	6		
39-30-0083	5569-08A2GS	8			39-30-0084	5569-08A2GS-210	8		
39-30-0103	5569-10A2GS	10			39-30-0104	5569-10A2GS-210	10		
39-30-0123	5569-12A2GS	12			39-30-0124	5569-12A2GS-210	12		
39-30-0143	5569-14A2GS	14			39-30-0144	5569-14A2GS-210	14		
39-30-0163	5569-16A2GS	16			39-30-0164	5569-16A2GS-210	16		
39-30-0183	5569-18A2GS	18			39-30-0184	5569-18A2GS-210	18		
39-30-0203	5569-20A2GS	20			39-30-0204	5569-20A2GS-210	20		
39-30-0223	5569-22A2GS	22			39-30-0224	5569-22A2GS-210	22		
39-30-0243	5569-24A2GS	24			39-30-0244	5569-24A2GS-210	24		
39-30-1023	5569-02A2GS2	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-2	39-30-1024	5569-02A2GS2-210	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-0
39-30-1043	5569-04A2GS2	4			39-30-1044	5569-04A2GS2-210	4		
39-30-1063	5569-06A2GS2	6			39-30-1064	5569-06A2GS2-210	6		
39-30-1083	5569-08A2GS2	8			39-30-1084	5569-08A2GS2-210	8		
39-30-1103	5569-10A2GS2	10			39-30-1104	5569-10A2GS2-210	10		
39-30-1123	5569-12A2GS2	12			39-30-1124	5569-12A2GS2-210	12		
39-30-1143	5569-14A2GS2	14			39-30-1144	5569-14A2GS2-210	14		
39-30-1163	5569-16A2GS2	16			39-30-1164	5569-16A2GS2-210	16		
39-30-1183	5569-18A2GS2	18			39-30-1184	5569-18A2GS2-210	18		
39-30-1203	5569-20A2GS2	20			39-30-1204	5569-20A2GS2-210	20		
39-30-1223	5569-22A2GS2	22			39-30-1224	5569-22A2GS2-210	22		
39-30-1243	5569-24A2GS2	24			39-30-1244	5569-24A2GS2-210	24		
39-34-4026	5569-02A2GS3	2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-2	39-34-4027	5569-02A2GS3-210	2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-2
39-34-4046	5569-04A2GS3	4			39-34-4047	5569-04A2GS3-210	4		
NOT TOOLED	5569-06A2GS3	6			NOT TOOLED	5569-06A2GS3-210	6		
NOT TOOLED	5569-08A2GS3	8			NOT TOOLED	5569-08A2GS3-210	8		
NOT TOOLED	5569-10A2GS3	10			NOT TOOLED	5569-10A2GS3-210	10		
NOT TOOLED	5569-12A2GS3	12			NOT TOOLED	5569-12A2GS3-210	12		
NOT TOOLED	5569-14A2GS3	14			NOT TOOLED	5569-14A2GS3-210	14		
NOT TOOLED	5569-16A2GS3	16			NOT TOOLED	5569-16A2GS3-210	16		
NOT TOOLED	5569-18A2GS3	18			NOT TOOLED	5569-18A2GS3-210	18		
NOT TOOLED	5569-20A2GS3	20			NOT TOOLED	5569-20A2GS3-210	20		
NOT TOOLED	5569-22A2GS3	22			NOT TOOLED	5569-22A2GS3-210	22		
NOT TOOLED	5569-24A2GS3	24			NOT TOOLED	5569-24A2GS3-210	24		
39-30-7025	5569-02A2S	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	39-30-7026	5569-02A2S-210	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-0
39-30-7045	5569-04A2S	4			39-30-7046	5569-04A2S-210	4		
39-30-7065	5569-06A2S	6			39-30-7066	5569-06A2S-210	6		
39-30-7085	5569-08A2S	8			39-30-7086	5569-08A2S-210	8		
39-30-7105	5569-10A2S	10			39-30-7106	5569-10A2S-210	10		
39-30-7125	5569-12A2S	12			39-30-7126	5569-12A2S-210	12		
39-30-7145	5569-14A2S	14			39-30-7146	5569-14A2S-210	14		
39-30-7165	5569-16A2S	16			39-30-7166	5569-16A2S-210	16		
39-30-7185	5569-18A2S	18			39-30-7186	5569-18A2S-210	18		
39-30-7205	5569-20A2S	20			39-30-7206	5569-20A2S-210	20		
39-30-7225	5569-22A2S	22			39-30-7226	5569-22A2S-210	22		
39-30-7245	5569-24A2S	24			39-30-7246	5569-24A2S-210	24		
REVISION: L	ECR/ECN INFORMATION: EC No: UCP2007-2432 DATE: 2007/04/02		TITLE: MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS						SHEET No. - 3 -
DOCUMENT NUMBER: SDA-5569-NA2*.*			Drawn By: LSCHMIDT		Checked By: ADERR		Approved By: FSMITH		
Filename: SPOMASTER.DOC			Revision: 1		Location: Workmanager General Docs Class.			Date: 4-15-2002	

BULK PACKAGED PER PK-5569-002										
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	
39-34-9022	5569-02A2-100	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	94V-2	39-31-1021	5569-02A2-BL	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	94V-2	
39-34-9042	5569-04A2-100	4			39-31-1041	5569-04A2-BL	4			
39-34-9064	5569-06A2-100	6			39-31-1061	5569-06A2-BL	6			
39-34-9084	5569-08A2-100	8			39-31-1081	5569-08A2-BL	8			
39-34-9104	5569-10A2-100	10			39-31-1101	5569-10A2-BL	10			
39-34-9124	5569-12A2-100	12			39-31-1121	5569-12A2-BL	12			
39-34-9144	5569-14A2-100	14			39-31-1141	5569-14A2-BL	14			
39-34-9164	5569-16A2-100	16			39-31-1161	5569-16A2-BL	16			
39-34-9184	5569-18A2-100	18			39-31-1181	5569-18A2-BL	18			
39-34-9204	5569-20A2-100	20			39-31-1201	5569-20A2-BL	20			
39-34-9224	5569-22A2-100	22			39-31-1221	5569-22A2-BL	22			
39-34-9244	5569-24A2-100	24			39-31-1241	5569-24A2-BL	24			
39-34-9023	5569-02A2S-100	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	39-31-6029	5569-02A2G-BL	2	30 μ" GOLD SEE NOTE 2 OPTION "G"	94V-2	
39-34-9043	5569-04A2S-100	4			39-31-6049	5569-04A2G-BL	4			
39-34-9063	5569-06A2S-100	6			39-31-6069	5569-06A2G-BL	6			
39-34-9083	5569-08A2S-100	8			39-31-6089	5569-08A2G-BL	8			
39-34-9103	5569-10A2S-100	10			39-31-6109	5569-10A2G-BL	10			
39-34-9123	5569-12A2S-100	12			39-31-6129	5569-12A2G-BL	12			
39-34-9143	5569-14A2S-100	14			39-31-6149	5569-14A2G-BL	14			
39-34-9163	5569-16A2S-100	16			39-31-6169	5569-16A2G-BL	16			
39-34-9183	5569-18A2S-100	18			39-31-6189	5569-18A2G-BL	18			
39-34-9203	5569-20A2S-100	20			39-31-6209	5569-20A2G-BL	20			
39-34-9223	5569-22A2S-100	22			39-31-6229	5569-22A2G-BL	22			
39-34-9243	5569-24A2S-100	24			39-31-6249	5569-24A2G-BL	24			
39-34-9020	5569-02A2-400	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	94V-2	39-31-7020	5569-02A2G2-BL	2	15 μ" GOLD SEE NOTE 2 OPTION "G2"	94V-2	
39-34-9040	5569-04A2-400	4			39-31-7040	5569-04A2G2-BL	4			
39-34-9060	5569-06A2-400	6			39-31-7060	5569-06A2G2-BL	6			
39-34-9080	5569-08A2-400	8			39-31-7080	5569-08A2G2-BL	8			
39-34-9100	5569-10A2-400	10			39-31-7100	5569-10A2G2-BL	10			
39-34-9120	5569-12A2-400	12			39-31-7120	5569-12A2G2-BL	12			
39-34-9140	5569-14A2-400	14			39-31-7140	5569-14A2G2-BL	14			
39-34-9160	5569-16A2-400	16			39-31-7160	5569-16A2G2-BL	16			
39-34-9180	5569-18A2-400	18			39-31-7180	5569-18A2G2-BL	18			
39-34-9200	5569-20A2-400	20			39-31-7200	5569-20A2G2-BL	20			
39-34-9220	5569-22A2-400	22			39-31-7220	5569-22A2G2-BL	22			
39-34-9240	5569-24A2-400	24			39-31-7240	5569-24A2G2-BL	24			
39-34-9021	5569-02A2S-400	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	39-31-7021	5569-02A2G3-BL	2	50 μ" GOLD SEE NOTE 2 OPTION "G3"	94V-2	
39-34-9041	5569-04A2S-400	4			39-31-7041	5569-04A2G3-BL	4			
39-34-9061	5569-06A2S-400	6			39-31-7061	5569-06A2G3-BL	6			
39-34-9081	5569-08A2S-400	8			39-31-7081	5569-08A2G3-BL	8			
39-34-9101	5569-10A2S-400	10			39-31-7101	5569-10A2G3-BL	10			
39-34-9121	5569-12A2S-400	12			39-31-7121	5569-12A2G3-BL	12			
39-34-9141	5569-14A2S-400	14			39-31-7141	5569-14A2G3-BL	14			
39-34-9161	5569-16A2S-400	16			39-31-7161	5569-16A2G3-BL	16			
39-34-9181	5569-18A2S-400	18			39-31-7181	5569-18A2G3-BL	18			
39-34-9201	5569-20A2S-400	20			39-31-7201	5569-20A2G3-BL	20			
39-34-9221	5569-22A2S-400	22			39-31-7221	5569-22A2G3-BL	22			
39-34-9241	5569-24A2S-400	24			39-31-7241	5569-24A2G3-BL	24			
REVISION: L	ECR/ECN INFORMATION: EC No: UCP2007-2432 DATE: 2007/04/02		TITLE: MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS						SHEET No. - 4 -	
DOCUMENT NUMBER: SDA-5569-NA2*.*			Drawn By: LSCHMIDT			Checked By: ADERR		Approved By: FSMITH		
Filename: SPOMASTER.DOC			Revision: 1			Location: Workmanager General Docs Class.		Date: 4-15-2002		

TRAY PACKAGED PER PK-5569-003									
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L
50-36-1757	5569-02A2S-T	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	50-36-1758	5569-02A2S-210-T	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-0
50-36-1767	5569-04A2S-T	4			50-36-1768	5569-04A2S-210-T	4		
50-36-1777	5569-06A2S-T	6			50-36-1778	5569-06A2S-210-T	6		
50-36-1787	5569-08A2S-T	8			50-36-1788	5569-08A2S-210-T	8		
50-36-1797	5569-10A2S-T	10			50-36-1798	5569-10A2S-210-T	10		
50-36-1807	5569-12A2S-T	12			50-36-1808	5569-12A2S-210-T	12		
50-36-1817	5569-14A2S-T	14			50-36-1818	5569-14A2S-210-T	14		
50-36-1827	5569-16A2S-T	16			50-36-1828	5569-16A2S-210-T	16		
50-36-1837	5569-18A2S-T	18			50-36-1838	5569-18A2S-210-T	18		
50-36-1847	5569-20A2S-T	20			50-36-1848	5569-20A2S-210-T	20		
50-36-1857	5569-22A2S-T	22			50-36-1858	5569-22A2S-210-T	22		
50-36-1867	5569-24A2S-T	24			50-36-1868	5569-24A2S-210-T	24		
50-36-1755	5569-02A2GS-T	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-2	50-36-1756	5569-02A2GS-210-T	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-0
50-36-1765	5569-04A2GS-T	4			50-36-1766	5569-04A2GS-210-T	4		
50-36-1775	5569-06A2GS-T	6			50-36-1776	5569-06A2GS-210-T	6		
50-36-1785	5569-08A2GS-T	8			50-36-1786	5569-08A2GS-210-T	8		
50-36-1795	5569-10A2GS-T	10			50-36-1796	5569-10A2GS-210-T	10		
50-36-1805	5569-12A2GS-T	12			50-36-1806	5569-12A2GS-210-T	12		
50-36-1815	5569-14A2GS-T	14			50-36-1816	5569-14A2GS-210-T	14		
50-36-1825	5569-16A2GS-T	16			50-36-1826	5569-16A2GS-210-T	16		
50-36-1835	5569-18A2GS-T	18			50-36-1836	5569-18A2GS-210-T	18		
50-36-1845	5569-20A2GS-T	20			50-36-1846	5569-20A2GS-210-T	20		
50-36-1855	5569-22A2GS-T	22			50-36-1856	5569-22A2GS-210-T	22		
50-36-1865	5569-24A2GS-T	24			50-36-1866	5569-24A2GS-210-T	24		
		2					2		
		4					4		
		6					6		
		8					8		
		10					10		
		12					12		
		14					14		
		16					16		
		18					18		
		20					20		
		22					22		
		24					24		
		2					2		
		4					4		
		6					6		
		8					8		
		10					10		
		12					12		
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		16					16		
		18					18		
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		22					22		
		24					24		
REVISION:	ECR/ECN INFORMATION:		TITLE:						SHEET No.
L	EC No: UCP2007-2432		MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS						- 6 -
	DATE: 2007/04/02								
DOCUMENT NUMBER:			Drawn By:		Checked By:		Approved By:		
SDA-5569-NA2*-*			LSCHMIDT		ADERR		FSMITH		
Filename: SPOMASTER.DOC									
Revision: 1									
Location: Workmanager General Docs Class.									
Date: 4-15-2002									