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Jameco Part Number 798593



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

Power Connectors

FEATURES AND SPECIFICATIONS

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

Reference Information

Product Specification: PS-5556-0001

Packaging: Tray or bag

UL File No.: E29179

CSA File No.: LR19980

TUV License No.: R75142

Mates With: 5557 dual row receptacle

Designed In: Millimeters

F

Electrical

Voltage: 600V

Current: (Used with 16 AWG)

Circuits	2-3	4-6	7-10	12-24
Amperes-Jr.	9	8	7	6

Electrical (cont'd)

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

Mechanical

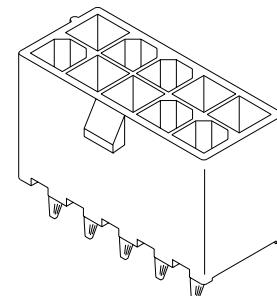
Contact Insertion Force: 1.5kg max.
Contact Retention to Housing: 3.0kg min.
Wire Pull-Out Force: 9.0kg min.
Insertion Force to PCB: 5.0kg max.
Mating Force: 0.7kg (1.54 lb) max.
Unmating Force: 0.35kg (0.7 lb) min.
Normal Force: 200g min.
Durability: 30 cycles

Physical

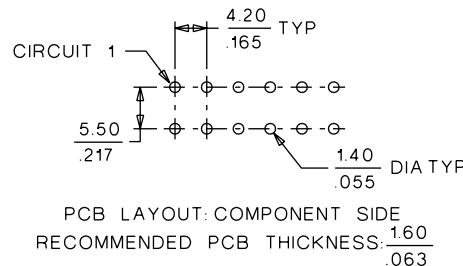
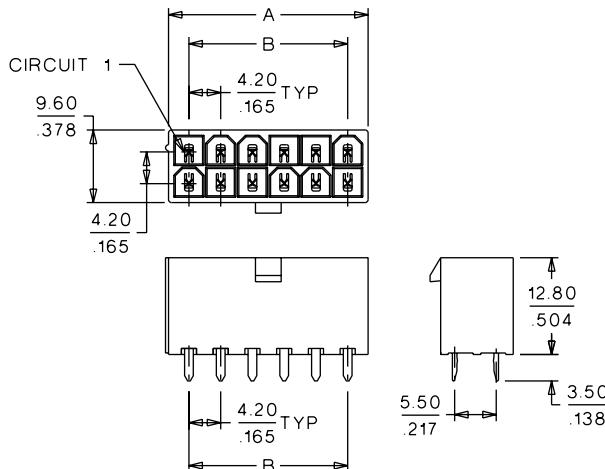
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass or Phosphor Bronze
Plating: Tin, select Gold or overall Gold
Operating Temperature: -40 to +105°C

5566

Vertical, Dual Row Without Pegs



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: $\frac{1.60}{.063}$

ORDERING INFORMATION AND DIMENSIONS

Circuits	With Drain Holes			
	Order No.		Dimension	
	Tin Plated	Gold Plated (30μ")	A	B
2	•39-29-3026	•39-31-0020	•39-31-0027	5.40 (.210)
4	•39-29-3046	•39-31-0040	•39-31-0047	9.60 (.380)
6	•39-29-3066	•39-31-0060	•39-31-0067	13.80 (.540)
8	•39-29-3086	•39-31-0080	•39-31-0087	18.00 (.710)
10	•39-29-3106	•39-31-0100	•39-31-0107	22.20 (.870)
12	•39-29-3126	•39-31-0120	•39-31-0127	26.40 (1.040)
14	•39-29-3146	•39-31-0140	•39-31-0147	30.60 (1.200)
16	•39-29-3166	•39-31-0160	•39-31-0167	34.80 (1.370)
20	•39-29-3206		•39-31-0207	43.20 (1.700)
22	•39-29-3226		•39-31-0227	47.40 (1.870)
				42.00 (1.650)

• US Standard Product, available through Molex franchised distributors

Circuits	Without Drain Holes			
	Order No.		Dimension	
	Tin Plated	Gold Plated (30μ")	A	B
2	•39-28-1023	•39-28-8020	•39-29-0023	5.40 (.210)
4	•39-28-1043	•39-28-8040	•39-29-0043	9.60 (.380)
6	•39-28-1063	•39-28-8060	•39-29-0063	13.80 (.540)
8	•39-28-1083	•39-28-8080	•39-29-0083	18.00 (.710)
10	•39-28-1103	•39-28-8100	•39-29-0103	22.20 (.870)
12	•39-28-1123	•39-28-8120	•39-29-0123	26.40 (1.040)
14	•39-28-1143	•39-28-8140	•39-29-0143	30.60 (1.200)
16	•39-28-1163	•39-28-8160	•39-29-0163	34.80 (1.370)
18	•39-28-1183	•39-28-8180	•39-29-0183	39.00 (1.540)
20	•39-28-1203	•39-28-8200	•39-29-0203	43.20 (1.700)
22	•39-28-1223	•39-28-8220	•39-29-0223	47.40 (1.870)
24	•39-28-1243	•39-28-8240	•39-29-0243	51.60 (2.030)
				46.20 (1.820)



PRODUCT SPECIFICATION

MINI-FIT JR.

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)

<u>PRODUCT NAME</u>	<u>PART NUMBER</u>
Female Crimp Terminal	5556-****
Male Crimp Terminal	5558-****
Receptacle Housing	5557-****
Plug Housing	5559-****
Vertical Header Assembly	5566-****
Right Angle Header Assembly	5569-****

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

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

2.3 SAFETY AGENCY APPROVALS

UL File #E29179

CSA Certificate #LR 19980

TUV Certificate #R75142-8

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

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

4.0 RATINGS

4.1 VOLTAGE

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

4.2 CURRENT AND APPLICABLE WIRES

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

<u>REVISION:</u> A	<u>ECR/ECN INFORMATION:</u> <u>EC No:</u> UCR2000-0382	<u>TITLE:</u> PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	<u>SHEET No.</u> 1 of 5
<u>DOCUMENT NUMBER:</u> PS-5556-001	<u>CREATED / REVISED BY:</u> BANDURA	<u>CHECKED BY:</u> BANDURA	<u>APPROVED BY:</u> MARGULIS
<i>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</i>			



PRODUCT SPECIFICATION

4.2 CURRENT AND APPLICABLE WIRES (continued)

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

4.3 TEMPERATURE

Operating: * - 40°C to + 105°C

Nonoperating: - 40°C to + 105°C

*Including 30°C terminal temperature at rated current

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA. Wire resistance shall be removed from the measured value.	10 milliohms MAXIMUM [initial]
2	Contact Resistance @ Rated Current	Mate connectors: apply a maximum voltage of 20 mV at rated current.	10 milliohms MAXIMUM [initial]
3	Contact Resistance of Wire Termination (Low Level)	Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA.	5 milliohms MAXIMUM [initial]
4	Insulation Resistance	Mate connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM

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PRODUCT SPECIFICATION

5.1 ELECTRICAL REQUIREMENTS (continued)

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

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Terminal Insertion and Withdrawal Forces	Insert and withdraw terminal (male to female) at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	14.7 N (3.30 lbf) MAXIMUM insertion force & 1.0 N (0.02 lbf) MINIMUM withdrawal force
2	Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ 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
4	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
5	Shock (Mechanical)	Mate connectors and shock at 50 g's with $\frac{1}{2}$ sine wave (11 milliseconds) shocks in the $\pm X$, $\pm Y$, $\pm Z$ axes, (18 shocks total).	20 milliohms MAXIMUM & Discontinuity < 1 microsecond
6	Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 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.

REVISION: A	ECR/ECN INFORMATION: EC No: UCR2000-0382	TITLE: PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	SHEET No. 3 of 5
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PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS (continued)

7	Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch).	15.0 N (3.37 lbf) MAXIMUM insertion force
8	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]
9	PCB Engagement and Separation Forces	Engage and separate a connector at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	49.0 N (11.0 lbf) MAXIMUM insertion force & 10.0 N (2.24 lbf) MINIMUM withdrawal force
10	Panel Insertion and Withdrawal Forces	Insert and withdraw a connector at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ 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 megohms 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 megohms 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 megohms 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 Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: 260 ± 5 °C	Visual: No Damage to insulator material

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PRODUCT SPECIFICATION

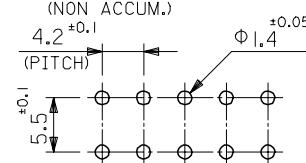
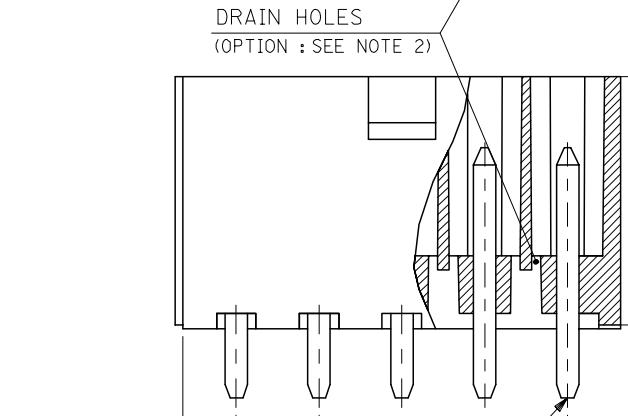
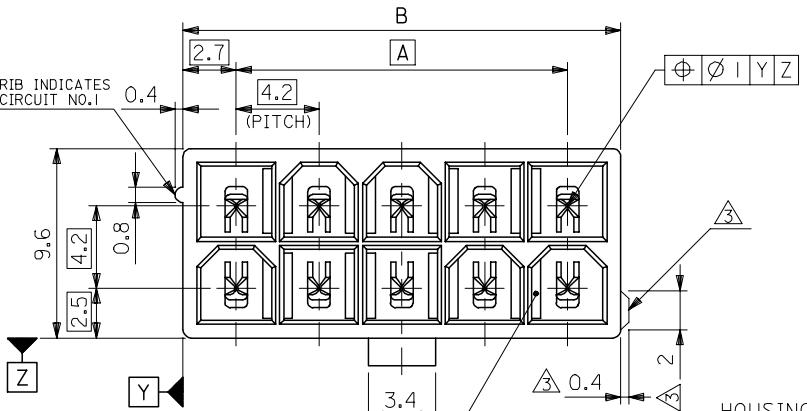
5.3 ENVIRONMENTAL REQUIREMENTS (continued)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
6	Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^\circ\text{C}$	20 megohms MAXIMUM Visual: No Damage
7	Corrosive Atmosphere: Sulfur Dioxide Gas (SO₂)	Mate connectors: Duration: 24 hours exposure. Atmosphere: 50 parts per million (ppm) SO ₂ Gas. Temperature: $40 \pm 3^\circ\text{C}$	20 megohms MAXIMUM Visual: No damage

6.0 PACKAGING

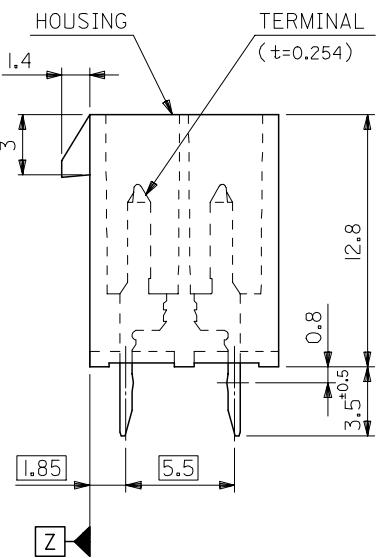
Parts shall be packaged to protect against damage during handling, transit and storage.

<u>REVISION:</u> A	<u>ECR/ECN INFORMATION:</u> <u>EC No:</u> UCR2000-0382 <u>DATE:</u> 2001 / 09 / 12	<u>TITLE:</u> PRODUCT SPECIFICATION FOR MINI-FIT JR. CONNECTOR SYSTEM	<u>SHEET No.</u> 5 of 5
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RECOMMENDED P.C. BOARD PATTERN
(SCALE 2 : 1)

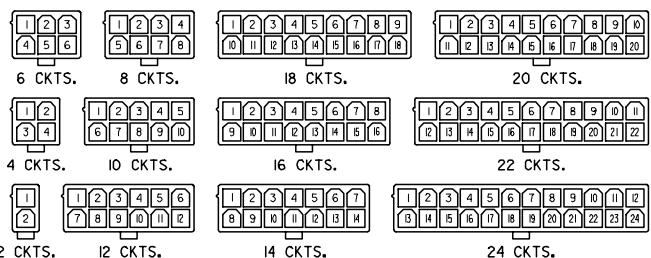
51.6	46.2	24
47.4	42	22
43.2	37.8	20
39	33.6	18
34.8	29.4	16
30.6	25.2	14
26.4	21	12
22.2	16.8	10
18	12.6	8
13.8	8.4	6
9.6	4.2	4
5.4	—	2
DIM. B	DIM. A	CKT. SIZE



REVISED	EC NO: 12005-3557	2005/06/16	DRAWN BY	DIMENSION STYLE	SCALE	DESIGN UNITS	MODEL NO.
DRW/NMABE		2005/06/07	H.HIRAMOTO	MM ONLY	4:1	METRIC	5566-N****-**
CHKDKT010		2005/06/10		DRAWN BY	DATE		MODEL NO.
APPR:NIKITA				CHECKED BY			
K				APPROVED BY			
REV				MATERIAL NO.			
				SEE CHART			
				SIZE			

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ± 0.2
10 OVER 30 UNDER ± 0.3
30 OVER ± 0.4
ANGULAR $\pm 3^\circ$
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS



CIRCUIT SIZE LAYOUT
(SCALE 1 : 1)

NOTES

1. MATE WITH : 5557 SERIES

2. LEGEND

5566 - N * * * - * - *

BASE NUMBER

CIRCUIT SIZE

ASS'Y TYPE

A : WITHOUT DRAIN HOLES

B : WITH DRAIN HOLES

TERMINAL MATERIAL

"BLANK" : BRASS

PB : PHOSPHOR BRONZE

TERMINAL PLATING

"BLANK" : BRIGHT TIN 0.9 μ m MIN. OVER COPPER 0.5 μ m MIN. (BRASS)

TIN 0.9 μ m MIN. REFLOW TREATMENT

OR BRIGHT TIN 0.9 μ m MIN. (PHOSPHOR BRONZE)

S : BRIGHT TIN 2.54 μ m MIN. OVER NICKEL 1.27 μ m MIN.

GS : SELECT GOLD 0.76 μ m MIN. AND SELECT PURE TIN 2.54 μ m MIN.

OVER NICKEL 1.27 μ m MIN.

GS2 : SELECT GOLD 0.38 μ m MIN. AND SELECT PURE TIN 2.54 μ m MIN.

OVER NICKEL 1.27 μ m MIN.

HOUSING MATERIAL

"BLANK" : NYLON 66, UL94V-2

210 : NYLON 66, UL94V-0

310 : G.F. 30% PCT, UL94V-0

400 : NYLON 66, UL94V-0, BLACK

COLOR

BL : BLACK

BU : BLUE

RE : RED

YE : YELLOW

GR : GRAY

△ EXTERNAL RIB APPEARS ON MX-USA PARTS ONLY.

MODEL NO.

5566-N****-**

△ THIRD ANGLE PROJECTION

NEW MINI FIT CONNECTOR
HEADER HOUSING ASS'Y
-LEAD FREE-

molex MOLEX INCORPORATED

DOCUMENT NO.

SD-5566-002

SHEET NO.

1 OF 5

A

△ THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX

INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

	10	9	8	7	6	5	4	3	2	1	
F	NOT TOOLED	5566-24APB-310	NOT TOOLED	5566-24AGS2-310	NOT TOOLED	5566-24AGS-310	NOT TOOLED	5566-24AS-310	NOT TOOLED	5566-24A-310	
	↑	↑-22APB-310	↑	↑-22AGS2-310	↑	↑-22AGS-310	↑	↑-22AS-310	↑	↑-22A-310	
	-20APB-310		-20AGS2-310		-20AGS-310		-20AS-310		-20A-310	20	
	-18APB-310		-18AGS2-310		-18AGS-310		-18AS-310		-18A-310	18	
	-16APB-310		-16AGS2-310		-16AGS-310		-16AS-310		-16A-310	16	
	-14APB-310		-14AGS2-310		-14AGS-310		-14AS-310		-14A-310	14	
	-12APB-310		-12AGS2-310		-12AGS-310		-12AS-310		-12A-310	12	
	-10APB-310		-10AGS2-310		-10AGS-310		-10AS-310		-10A-310	10	
	-08APB-310		-08AGS2-310		-08AGS-310		-08AS-310		-08A-310	8	
	-06APB-310		-06AGS2-310		-06AGS-310		-06AS-310		-06A-310	6	
	↓	↓-04APB-310	↓	↓-04AGS2-310	↓	↓-04AGS-310	↓	↓-04AS-310	↓	↓-04A-310	
E	NOT TOOLED	5566-02APB-310	NOT TOOLED	5566-02AGS2-310	NOT TOOLED	5566-02AGS-310	NOT TOOLED	5566-02AS-310	NOT TOOLED	5566-02A-310	
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	
	5566-NAPB-310		5566-NAGS2-310		5566-NAGS-310		5566-NAS-310		5566-NA-310	CKT. SIZE	
	39-29-5247	5566-24APB-210	39-30-9245	5566-24AGS2-210	39-29-6248	5566-24AGS-210	39-30-6242	5566-24AS-210	39-28-8240	5566-24A-210	24
	↑-5227	↑-22APB-210	↑-9225	↑-22AGS2-210	↑-6228	↑-22AGS-210	↑-6222	↑-22AS-210	↑-8220	↑-22A-210	22
	-5207	-20APB-210	-9205	-20AGS2-210	-6208	-20AGS-210	-6202	-20AS-210	-8200	-20A-210	20
	-5187	-18APB-210	-9185	-18AGS2-210	-6188	-18AGS-210	-6182	-18AS-210	-8180	-18A-210	18
	-5167	-16APB-210	-9165	-16AGS2-210	-6168	-16AGS-210	-6162	-16AS-210	-8160	-16A-210	16
	-5147	-14APB-210	-9145	-14AGS2-210	-6148	-14AGS-210	-6142	-14AS-210	-8140	-14A-210	14
	-5127	-12APB-210	-9125	-12AGS2-210	-6128	-12AGS-210	-6122	-12AS-210	-8120	-12A-210	12
	-5107	-10APB-210	-9105	-10AGS2-210	-6108	-10AGS-210	-6102	-10AS-210	-8100	-10A-210	10
	-5087	-08APB-210	-9085	-08AGS2-210	-6088	-08AGS-210	-6082	-08AS-210	-8080	-08A-210	8
	-5067	-06APB-210	-9065	-06AGS2-210	-6068	-06AGS-210	-6062	-06AS-210	-8060	-06A-210	6
	↓-5047	↓-04APB-210	↓-9045	↓-04AGS2-210	↓-6048	↓-04AGS-210	↓-6042	↓-04AS-210	↓-8040	↓-04A-210	4
D	39-29-5027	5566-02APB-210	39-30-9025	5566-02AGS2-210	39-29-6028	5566-02AGS-210	39-30-6022	5566-02AS-210	39-28-8020	5566-02A-210	2
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	
	5566-NAPB-210		5566-NAGS2-210		5566-NAGS-210		5566-NAS-210		5566-NA-210	CKT. SIZE	
	39-29-5246	5566-24APB	39-30-9244	5566-24AGS2	39-29-0243	5566-24AGS	39-30-6241	5566-24AS	39-28-1243	5566-24A	24
	↑-5226	↑-22APB	↑-9224	↑-22AGS2	↑-0223	↑-22AGS	↑-6221	↑-22AS	↑-1223	↑-22A	22
	-5206	-20APB	-9204	-20AGS2	-0203	-20AGS	-6201	-20AS	-1203	-20A	20
	-5186	-18APB	-9184	-18AGS2	-0183	-18AGS	-6181	-18AS	-1183	-18A	18
	-5166	-16APB	-9164	-16AGS2	-0163	-16AGS	-6161	-16AS	-1163	-16A	16
	-5146	-14APB	-9144	-14AGS2	-0143	-14AGS	-6141	-14AS	-1143	-14A	14
	-5126	-12APB	-9124	-12AGS2	-0123	-12AGS	-6121	-12AS	-1123	-12A	12
	-5106	-10APB	-9104	-10AGS2	-0103	-10AGS	-6101	-10AS	-1103	-10A	10
	-5086	-08APB	-9084	-08AGS2	-0083	-08AGS	-6081	-08AS	-1083	-08A	8
	-5066	-06APB	-9064	-06AGS2	-0063	-06AGS	-6061	-06AS	-1063	-06A	6
	↓-5046	↓-04APB	↓-9044	↓-04AGS2	↓-0043	↓-04AGS	↓-6041	↓-04AS	↓-1043	↓-04A	4
B	39-29-5026	5566-02APB	39-30-9024	5566-02AGS2	39-29-0023	5566-02AGS	39-30-6021	5566-02AS	39-28-1023	5566-02A	2
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	
	5566-NAPB		5566-NAGS2		5566-NAGS		5566-NAS		5566-NA	CKT. SIZE	

REVISED EC NO: I2005-3557 DRW/NMABE CHDKD/KO APPR:NIKITA			GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			10 UNDER	± ---	DRAWN BY H.HIRAMOTO	DATE '89/04/03	TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-			
10 OVER 30 UNDER			± ---	CHECKED BY M.FUKUSHIMA		DATE '94/04/20	MOLEX INCORPORATED			
30 OVER			± ---	APPROVED BY M.FUKUSHIMA		DATE '94/04/20	DOCUMENT NO. SD-5566-002	SHEET NO. 2 OF 5		
ANGULAR			± --- °	MATERIAL NO.		SEE CHART				
DRAFT WHERE APPLICABLE			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
MUST REMAIN WITHIN DIMENSIONS			REV K							

	10	9	8	7	6	5	4	3	2	1											
F	NOT TOOLED	5566-24BGS2-310	NOT TOOLED	5566-24BGS-310	NOT TOOLED	5566-24BS-310	NOT TOOLED	5566-24B-310	NOT TOOLED	5566-24APBS-310											
	↑	-22BGS2-310	↑	-22BGS-310	↑	-22BS-310	↑	-22B-310	↑	-22APBS-310											
	-20BGS2-310		-20BGS-310		-20BS-310		-20B-310		-20APBS-310												
	-18BGS2-310		-18BGS-310		-18BS-310		-18B-310		-18APBS-310												
	-16BGS2-310		-16BGS-310		-16BS-310		-16B-310		-16APBS-310												
	-14BGS2-310		-14BGS-310		-14BS-310		-14B-310		-14APBS-310												
	-12BGS2-310		-12BGS-310		-12BS-310		-12B-310		-12APBS-310												
	-10BGS2-310		-10BGS-310		-10BS-310		-10B-310		-10APBS-310												
	-08BGS2-310		-08BGS-310		-08BS-310		-08B-310		-08APBS-310												
	-06BGS2-310		-06BGS-310		-06BS-310		-06B-310		-06APBS-310												
	↓	-04BGS2-310	↓	-04BGS-310	↓	-04BS-310	↓	-04B-310	↓	-04APBS-310											
E	NOT TOOLED	5566-02BGS2-310	NOT TOOLED	5566-02BGS-310	NOT TOOLED	5566-02BS-310	NOT TOOLED	5566-02B-310	NOT TOOLED	5566-02APBS-310											
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.											
	5566-NBGS2-310		5566-NBGS-310		5566-NBS-310		5566-NB-310		5566-NAPBS-310	CKT. SIZE											
	39-30-9247	5566-24BGS2-210	39-31-0248	5566-24BGS-210	39-31-0242	5566-24BS-210	39-31-0240	5566-24B-210	39-30-6244	5566-24APBS-210	24										
	↑	-9227	↑	-22BGS2-210	↑	-0228	↑	-22BGS-210	↑	-0220	↑	-22B-210	↑	-6224	↑	-22APBS-210	22				
	-9207	-20BGS2-210		-0208	-20BGS-210		-0202	-20BS-210		-0200	-20B-210		-6204	-20APBS-210	20						
	-9187	-18BGS2-210		-0188	-18BGS-210		-0182	-18BS-210		-0180	-18B-210		-6184	-18APBS-210	18						
	-9167	-16BGS2-210		-0168	-16BGS-210		-0162	-16BS-210		-0160	-16B-210		-6164	-16APBS-210	16						
	-9147	-14BGS2-210		-0148	-14BGS-210		-0142	-14BS-210		-0140	-14B-210		-6144	-14APBS-210	14						
	-9127	-12BGS2-210		-0128	-12BGS-210		-0122	-12BS-210		-0120	-12B-210		-6124	-12APBS-210	12						
	-9107	-10BGS2-210		-0108	-10BGS-210		-0102	-10BS-210		-0100	-10B-210		-6104	-10APBS-210	10						
	-9087	-08BGS2-210		-0088	-08BGS-210		-0082	-08BS-210		-0080	-08B-210		-6084	-08APBS-210	8						
	-9067	-06BGS2-210		-0068	-06BGS-210		-0062	-06BS-210		-0060	-06B-210		-6064	-06APBS-210	6						
	↓	-9047	↓	-04BGS2-210	↓	-0048	↓	-04BCS-210	↓	-0042	↓	-04BS-210	↓	-0040	↓	-04B-210	↓	-6044	↓	-04APBS-210	4
D	39-30-9027	5566-02BGS2-210	39-31-0028	5566-02BGS-210	39-31-0022	5566-02BS-210	39-31-0020	5566-02B-210	39-30-6024	5566-02APBS-210	2										
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	CKT. SIZE										
	5566-NBGS2-210		5566-NBGS-210		5566-NBS-210		5566-NB-210		5566-NAPBS-210	CKT. SIZE											
	39-30-9246	5566-24BGS2	39-31-0247	5566-24BGS	39-31-0241	5566-24BS	39-29-3246	5566-24B	39-30-6243	5566-24APBS	24										
	↑	-9226	↑	-22BGS2	↑	-0227	↑	-22BGS	↑	-0221	↑	-22BS	↑	-3226	↑	-22B	↑	-6223	↑	-22APBS	22
	-9206	-20BGS2		-0207	-20BGS		-0201	-20BS		-3206	-20B		-6203	-20APBS	20						
	-9186	-18BGS2		-0187	-18BGS		-0181	-18BS		-3186	-18B		-6183	-18APBS	18						
	-9166	-16BGS2		-0164	-16BGS		-0161	-16BS		-3166	-16B		-6163	-16APBS	16						
	-9146	-14BGS2		-0147	-14BGS		-0141	-14BS		-3146	-14B		-6143	-14APBS	14						
	-9126	-12BGS2		-0127	-12BGS		-0121	-12BS		-3126	-12B		-6123	-12APBS	12						
	-9106	-10BGS2		-0107	-10BGS		-0101	-10BS		-3106	-10B		-6103	-10APBS	10						
	-9086	-08BGS2		-0087	-08BGS		-0081	-08BS		-3086	-08B		-6083	-08APBS	8						
	-9066	-06BGS2		-0067	-06BGS		-0061	-06BS		-3066	-06B		-6063	-06APBS	6						
	↓	-9046	↓	-04BGS2	↓	-0047	↓	-04BGS	↓	-0041	↓	-04BS	↓	-3046	↓	-04B	↓	-6043	↓	-04APBS	4
B	39-30-9026	5566-02BGS2	39-31-0027	5566-02BGS	39-31-0021	5566-02BS	39-29-3026	5566-02B	39-30-6023	5566-02APBS	2										
	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	CKT. SIZE										
	5566-NBGS2		5566-NBGS		5566-NBS		5566-NB		5566-NAPBS	CKT. SIZE											

REVISED EC NO: I2005-3557 DRW/NMABE CHDKD/KO APPR:NIKITA		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY H.HIRAMOTO	DATE '89/04/03			TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-	
10 OVER	30 UNDER	± ---	CHECKED BY M.FUKUSHIMA	DATE '94/04/20	APPROVED BY M.FUKUSHIMA		DATE '94/04/20	MOLEX INCORPORATED	
30 OVER		± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
ANGULAR		± --- °	SEE CHART		SD-5566-002		3 OF 5		
DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
K		REV							

10	9	8	7	6	5	4	3	2	1	
F					NOT TOOLED	5566-24BPBS-310	NOT TOOLED	5566-24BPB-310	24	
						-22BPBS-310		-22BPB-310	22	
						-20BPBS-310		-20BPB-310	20	
						-18BPBS-310		-18BPB-310	18	
						-16BPBS-310		-16BPB-310	16	
						-14BPBS-310		-14BPB-310	14	
						-12BPBS-310		-12BPB-310	12	
						-10BPBS-310		-10BPB-310	10	
						-08BPBS-310		-08BPB-310	8	
						-06BPBS-310		-06BPB-310	6	
						-04BPBS-310		-04BPB-310	4	
E					NOT TOOLED	5566-02BPBS-310	NOT TOOLED	5566-02BPB-310	2	
					EDP NO.	ENG. NO	EDP NO.	ENG. NO	CKT. SIZE	
						5566-NBPBS-310		5566-NBPB-310		
					39-31-0246	5566-24BPBS-210	39-31-0244	5566-24BPB-210	24	
						-0226	-22BPBS-210	-0224	-22BPB-210	22
						-0206	-20BPBS-210	-0204	-20BPB-210	20
						-0186	-18BPBS-210	-0184	-18BPB-210	18
						-0166	-16BPBS-210	-0164	-16BPB-210	16
						-0146	-14BPBS-210	-0144	-14BPB-210	14
						-0126	-12BPBS-210	-0124	-12BPB-210	12
						-0106	-10BPBS-210	-0104	-10BPB-210	10
						-0086	-08BPBS-210	-0084	-08BPB-210	8
						-0066	-06BPBS-210	-0064	-06BPB-210	6
						-0046	-04BPBS-210	-0044	-04BPB-210	4
D					39-31-0026	5566-02BPBS-210	39-31-0024	5566-02BPB-210	2	
					EDP NO.	ENG. NO	EDP NO.	ENG. NO	CKT. SIZE	
						5566-NBPBS-210		5566-NBPB-210		
C					39-35-0248	5566-24A-400	39-31-0245	5566-24BPBS	24	
						-0228	-22A-400	-0225	-22BPBS	22
						-0208	-20A-400	-0205	-20BPBS	20
						-0188	-18A-400	-0185	-18BPBS	18
						-0168	-16A-400	-0165	-16BPBS	16
						-0148	-14A-400	-0145	-14BPBS	14
						-0128	-12A-400	-0125	-12BPBS	12
						-0108	-10A-400	-0105	-10BPBS	10
						-0088	-08A-400	-0085	-08BPBS	8
						-0068	-06A-400	-0065	-06BPBS	6
						-0048	-04A-400	-0045	-04BPBS	4
B					39-35-0028	5566-02A-400	39-31-0025	5566-02BPBS	2	
					EDP NO.	ENG. NO	EDP NO.	ENG. NO	CKT. SIZE	
						5566-NA-400		5566-NPBS		
								5566-NBPB		

REVISED EC NO: I2005-3557 DRW/NMABE CHKD/KTJO APPR:NIKITA REV:K	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY H.HIRAMOTO CHECKED BY M.FUKUSHIMA APPROVED BY M.FUKUSHIMA MATERIAL NO. SEE CHART SIZE A	DIMENSION STYLE MM ONLY DRAWN BY H.HIRAMOTO DATE '89/04/03 CHECKED BY M.FUKUSHIMA DATE '94/04/20 APPROVED BY M.FUKUSHIMA DATE '94/04/20 MATERIAL NO. SEE CHART SIZE A	SCALE --- TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE- MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-5566-002 SHEET NO. 4 OF 5 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	THIRD ANGLE PROJECTION C A
	10 UNDER	± ---				
10 OVER 30 UNDER	± ---					
30 OVER	± ---					
ANGULAR	± --- °					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

10 9 8 7 6 5 4 3 2 1

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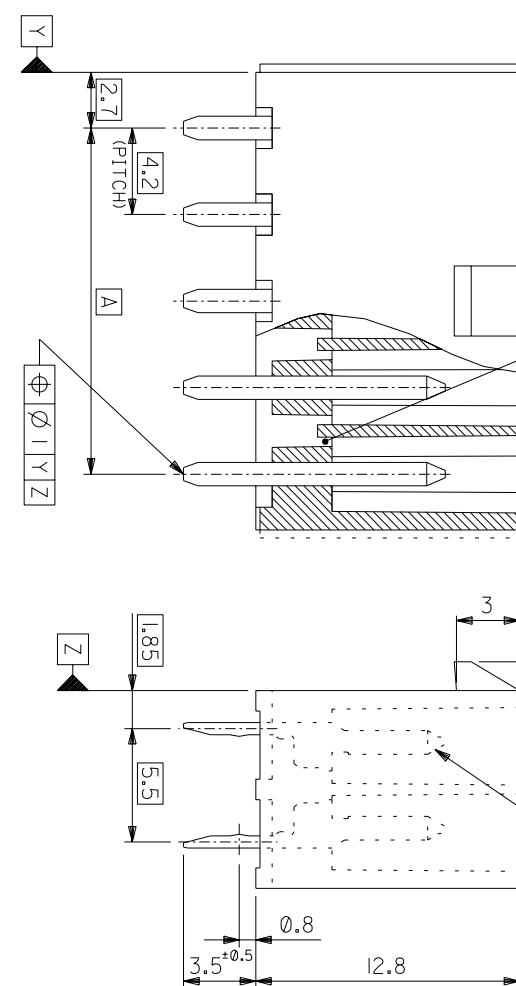
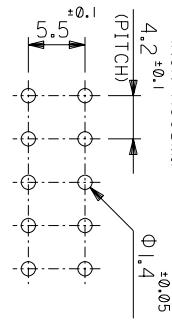
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										6
										4
39-34-5023	5566-02A-210-YE	39-33-4020	5566-02A-210-RE	39-33-3029	5566-02A-210-BU	39-33-3028	5566-02A-210-BL			2
EDP. NO.	ENG. NO.			CKT. SIZE						
5566-NA-210-YE		5566-NA-210-RE		5566-NA-210-BU		5566-NA-210-BL				
										24
										22
										20
										18
										16
39-33-3145	5566-14A-GR									14
										12
										10
										8
39-33-3087	5566-08A-YE	39-33-3086	5566-08A-RE	39-33-3084	5566-08A-BU	39-33-3083	5566-08A-BL			
39-33-3067	5566-06A-YE	39-33-3066	5566-06A-RE	39-33-3064	5566-06A-BU	39-33-3063	5566-06A-BL			6
										4
										2
EDP. NO.	ENG. NO.			CKT. SIZE						
5566-NA-GR		5566-NA-YE		5566-NA-RE		5566-NA-BU		5566-NA-BL		

REVISED EC NO: I2005-3557 DRWNR:MABE CHKD/KT0 APPR:NIKITA REV: K	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	± ---	DRAWN BY H. HIRAMOTO	DATE '89/04/03	TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-			
	10 OVER	30 UNDER	± ---	CHECKED BY M. FUKUSHIMA				
	30 OVER	± ---	APPROVED BY M. FUKUSHIMA	DATE '94/04/20	MOLEX MOLEX INCORPORATED			
	ANGULAR	± --- °	MATERIAL NO.	DOCUMENT NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		5 OF 5	
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

RECOMMENDED P.C. BOARD PATTERNDRAIN HOLES
(OPTION : SEE NOTE 2)TERMINAL
(t=0.254)

NOTES

1. MATE WITH : 5557 SERIES
2. LEGEND

BASE NUMBER 5566 - N * * * - *

CIRCUIT SIZE

ASS'Y TYPE

A : WITHOUT DRAIN HOLES

B : WITH DRAIN HOLES

TERMINAL MATERIAL

"BLANK" : BRASS

PB : PHOSPHOR BRONZE

TERMINAL PLATING

"BLANK" : BRIGHT TIN 0.9μm MIN. OVER COPPER 0.5μm MIN. (BRASS)
TIN 0.9μm MIN. REFLOW TREATMENT
OR BRIGHT TIN 2.54μm MIN. (PHOSPHOR BRONZE)

S : BRIGHT TIN 2.54μm MIN. OVER NICKEL 1.27μm MIN.

G : SELECT GOLD 0.76μm MIN. AND SELECT PURE TIN 2.54μm MIN.
OVER NICKEL 1.27μm MIN.

C3 : SELECT GOLD 0.38μm MIN. AND SELECT PURE TIN 2.54μm MIN.
OVER NICKEL 1.27μm MIN.

HOUSING MATERIAL

"BLANK"

NYLON

66,

UL94V-2

2

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G.F.

30%

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PCT

UL94V-0

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:

NYLON

66,

UL94V-0,

BLACK

△ EXTERNAL RIB APPEARS ON MX-USA PARTS ONLY.

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