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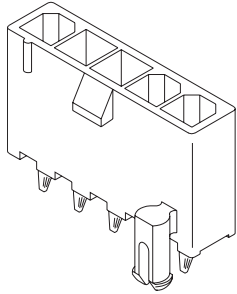
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Jameco Part Number 1968742

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

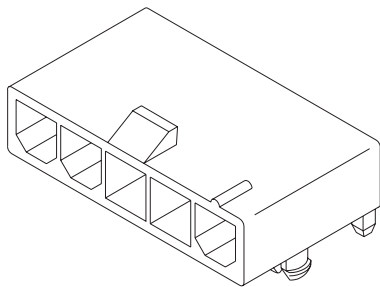
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass or Phosphor Bronze
Plating: Tin or Select Gold
Underplating: Nickel
Operating Temperature: -40 to +105°C

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

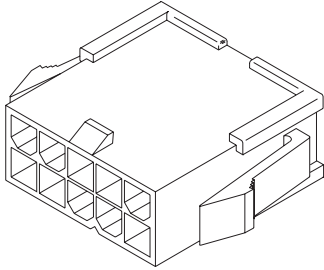
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass
Plating: Tin or Select Gold
Underplating: Nickel
Operating Temperature: -40 to +105°C

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.™ Plug

5559

Dual Row
With and without Panel Mount Ears



Features and Benefits

- Wire-to-wire plug for panel-mounted or free-hanging applications
- Positive housing locks to mate with Mini-Fit Jr. receptacle
- Fully isolated terminals to protect contacts from damage

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates With: 5557 dual row receptacle
Use With: 5558, 30490, 46134 or 46012 terminals
Panel Thickness: .079 to 2.00mm (.031 to 0.80")
Designed In: Millimeters

Mechanical

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

Physical

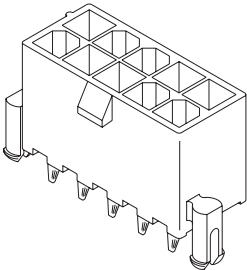
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Operating Temperature: -40 to +105°C

Circuits	Order No.			
	Panel Mount		Free Hanging	
	94V-2	94V-0	94V-2	94V-0
2	39-01-2021	39-01-2026	39-01-3023	39-01-3029
4	39-01-2041	39-01-2046	39-01-3043	39-01-3049
6	39-01-2061	39-01-2066	39-01-3063	39-01-3069
8	39-01-2081	39-01-2086	39-01-3083	39-01-3089
10	39-01-2101	39-01-2106	39-01-3103	39-01-3109
12	39-01-2121	39-01-2126	39-01-3123	39-01-3129
14	39-01-2141	39-01-2146	39-01-3143	39-01-3149
16	39-01-2161	39-01-2166	39-01-3163	39-01-3169
18	39-01-2181		39-01-3183	
20	39-01-2201			
22	39-01-2221			
24	39-01-2241	39-01-2246		

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

5566

Vertical, Dual Row
With Pegs, with Drain Holes



Features and Benefits

- Board-mounting pegs provide polarization during placement on the PCB and increased retention during soldering process
- Positive housing locks to mate with Mini-Fit Jr. receptacle
- Fully isolated terminals to protect contacts from damage
- Drain holes are standard to allow washing of PCB after processing (contact Molex for headers without drain holes)

Reference Information

Packaging: Tray or tube
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

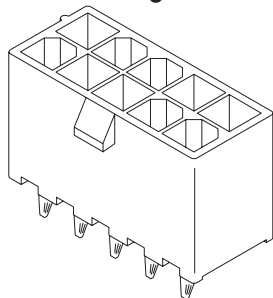
Housing: 6/6 nylon, UL 94V-2 or 94V-0
Contact: Brass
Plating: Tin or Select Gold
Underplating: Nickel
Operating Temperature: -40 to +105°C

Circuits	Order No.				Lead-free
	Tin Plated		Gold Plated (30μ")		
	94V-2	94V-0	94V-2	94V-0	
2	39-30-6027	39-30-6028	39-29-9024	39-28-9028	Yes
4	39-30-6047	39-30-6048	39-29-9044	39-28-9048	
6	39-30-6067	39-30-6068	39-29-9064	39-28-9068	
8	39-30-6087	39-30-6088	39-29-9084	39-28-9088	
10	39-30-6107	39-30-6108	39-29-9104	39-28-9108	
12	39-30-6127	39-30-6128	39-29-9124	39-28-9128	
14	39-30-6147	39-30-6148	39-29-9144	39-28-9148	
16	39-30-6167	39-30-6168	39-29-9164	39-28-9168	
18	39-30-6187	39-30-6188	39-29-9184	39-28-9188	
20	39-30-6207	39-30-6208	39-29-9204	39-28-9208	
22	39-30-6227	39-30-6228	39-29-9224		
24	39-30-6247	39-30-6248	39-29-9244	39-28-9248	

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

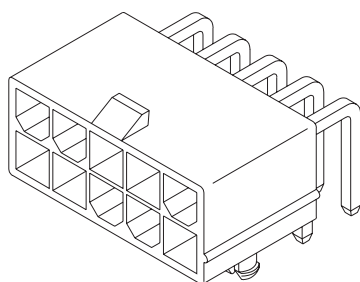
Circuits	Order No.		Lead-free
	94V-2	94V-0	
2	39-28-1023	39-28-8020	Yes
4	39-28-1043	39-28-8040	
6	39-28-1063	39-28-8060	
8	39-28-1083	39-28-8080	
10	39-28-1103	39-28-8100	
12	39-28-1123	39-28-8120	

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	



PRODUCT SPECIFICATION



LANGUAGE

JAPANESE
ENGLISH

【1. 適用範囲 SCOPE】

本仕様書は、NEW MINI FIT CONNECTOR 殿 に納入するNEW MINI FIT CONNECTOR について規定する。

This specification covers the NEW MINI FIT CONNECTOR series

【2. 製品名称及び型番 PRODUCT NAME AND PART NUMBER】

製品名称 Product Name	製品型番 Part Number
リセターミナル (AWG#18~#28) REC. Terminal (AWG#18~#28)	5 5 5 6 T(L)、T 2(L)
プラグターミナル (AWG#18~#28) PLUG Terminal (AWG#18~#28)	5 5 5 8 T(L)、T 2(L)
リセハウジング (UL 94V-2) REC. Housing (UL 94V-2)	5 5 5 7-NR
リセハウジング (UL 94V-0) REC. Housing (UL 94V-0)	5 5 5 7-NR-2 1 0
プラグハウジング (UL 94V-2) PLUG Housing (UL 94V-2)	5 5 5 9-NP
プラグハウジング (UL 94V-0) PLUG Housing (UL 94V-0)	5 5 5 9-NP-2 1 0
ヘッダー アッセンブリ (UL 94V-2) Header Assembly (UL 94V-2)	5 5 6 6-NA-*、NB-*
ヘッダー アッセンブリ (UL 94V-0) Header Assembly (UL 94V-0)	5 5 6 6-NA-2 1 0-*、NB-2 1 0-*

N : 図面参照 Refer to the drawing.

REV.	J																						
SHEET	1~9																						
REVISE ON PC ONLY										TITLE:													
J 変更 REVISED J2007-2856 '07/04/19 Y.AOYAGI										NEW MINI FIT CONN. -LEAD FREE-													
										製品仕様書													
REV. DESCRIPTION										THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DESIGN CONTROL J					STATUS					WRITTEN BY: N.AIDA		CHECKED BY: K.TOYODA		APPROVED BY: N.UKITA		DATE: YR/MO/DAY 2005/03/29							
DOCUMENT NUMBER PS-5557-015																				FILE NAME PS5557015.doc		SHEET 1 OF 9	
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【3. 定格及び適用電線 RATINGS AND APPLICABLE WIRES】

項 目 Item	規 格 Standard				
最大許容電圧 Rated Voltage (MAX.)	600 V				
最大許容電流 及び適用電線 Rated Current (MAX.) and Applicable wires	極数	2	4,6	8,10	12-24
	AWG. #18	9.0 A	8.0 A	7.0 A	6.0 A
	AWG. #20	7.0 A	6.0 A	5.0 A	5.0 A
	AWG. #22	5.0 A	4.0 A	4.0 A	4.0 A
	AWG. #24	4.0 A	3.0 A	3.0 A	3.0 A
	AWG. #26	3.0 A	2.0 A	2.0 A	2.0 A
	AWG. #28	2.0 A	1.0 A	1.0 A	1.0 A
使用温度範囲 Ambient Temperature Range		-40°C ~ +105°C ^{*1}			

*1: 通電による温度上昇分も含む。
Including terminal temperature rise.

【4. 性能 PERFORMANCE】

4-1. 電気的性能 Electrical Performance

項 目 Item	条 件 Test Condition	規 格 Requirement
4-1-1 接触抵抗 Contact Resistance	コネクタを嵌合させ、開放電圧 20mV 以下、 短絡電流 10mA にて測定する。 (JIS C5402 5.4) Mate connectors, measure by dry circuit, 20mV MAX., 10mA. (JIS C5402 5.4)	10 milliohm MAX.
4-1-2 絶縁抵抗 Insulation Resistance	コネクタを嵌合させ、隣接するターミナル間及びターミナル、アース間に、DC 500V を印加し測定する。 (JIS C5402 5.2/MIL-STD-202 試験法 302) Mate connectors, apply 500V DC between adjacent terminal or ground. (JIS C5402 5.2/MIL-STD-202 Method 302)	1000 Megohm MIN.

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項 目 Item		条 件 Test Condition	規 格 Requirement
4-1-3	耐電圧 Dielectric Strength	コネクタを嵌合させ、隣接するターミナル間及びターミナル、アース間に、AC 1500V（実効値）を1分間 印加する。 (JIS C5402 5.1/MIL-STD-202 試験法 301) Mate connectors, apply 1500V AC(rms) between for 1 minute between adjacent terminal or ground. (JIS C5402 5.1/MIL-STD-202 Method 301)	異状なきこと No Breakdown
4-1-4	圧着部接触抵抗 Contact Resistance on Crimped Portion	ターミナルに適合電線を圧着し、開放電圧 20mV 以下、短絡電流 10mA にて測定する。 Crimp the applicable wire on to the terminal, measure by dry circuit, 20mV MAX., 10mA.	5 milliohm MAX.

4-2. 機械的性能 Mechanical Performance

項 目 Item		条 件 Test Condition	規 格 Requirement	
4-2-1	挿入力 及び抜去力 Insertion and Withdrawal Force	毎分 25±3mm の速さで挿入、抜去を行う。 Insert and withdraw connectors at the speed rate of 25±3mm/minute.	第6項参照 Refer to paragraph 6	
4-2-2	圧着部 引張り強度 Crimping Pull Out Force	圧着されたターミナルを治具に固定し、電線を軸方向に 毎分 25±3mm の速さで引張る。 (JIS C5402 6.8) Fix the crimped terminal and apply axial pull out force on the wire at the speed rate of 25±3mm/minute. (JIS C5402 6.8)	AWG. #18	88.2 N {9.0kgf} MIN.
			AWG. #20	58.8 N {6.0kgf} MIN.
			AWG. #22	39.2 N {4.0kgf} MIN.
			AWG. #24	29.4 N {3.0kgf} MIN.
			AWG. #26	19.6 N {2.0kgf} MIN.
			AWG. #28	9.8 N {1.0kgf} MIN.
4-2-3	ターミナル 挿入力 Terminal Insertion Force	圧着されたターミナルをハウジングに挿入する。 Insert the crimped terminal into the housing.	14.7 N {1.5kgf} MAX.	

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項 目 Item		条 件 Test Condition	規 格 Requirement	
4-2-4	ターミナル 保持力 Terminal/ Housing Retention Force	圧着されたターミナルをハウジングに装着し、電線を軸方向に 毎分 25±3mm の速さで引張る。 Apply axial pull out force at the speed rate of 25±3mm / minute on the terminal assembled in the housing.	29.4 N {3.0kgf} MIN.	
4-2-5	ピン保持力 Pin Retention Force	毎分 25±3mm の速さでピンを軸方向に押す。 Apply axial push force at the speed rate of 25±3mm / minute.	9.8 N {1.0kgf} MIN.	

4-3. そ の 他 Environmental Performance and Others

項 目 Item		条 件 Test Condition	規 格 Requirement	
4-3-1	繰り返し挿抜 Repeated Insertion / Withdrawal	1分間 10回以下 の速さで挿入、抜去を 30回 繰り返す。 When mated up to 30 cycles repeatedly by the rate of less than 10 cycles per minute.	接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-2	温度上昇 Temperature Rise	コネクタを嵌合させ、最大許容電流を通電し、コネクタの温度上昇分を測定する。(UL 498) Carrying rated current load. (UL 498)	温度上昇 Temperature Rise	30°C MAX.
4-3-3	耐振動性 Vibration	DC 1mA 通電状態にて、嵌合軸を含む互いに垂直な 3方向 に 掃引割合 10~55~10Hz/分、全振幅 1.5mm の振動を 各2時間 加える。 (MIL-STD-202 試験法 201) Amplitude: 1.5 mm P-P Sweep time: 10-55-10 Hz in 1 minute Duration: 2 hours in each X.Y.Z axes (MIL STD-202 Method 201)	外 観 Appearance	異常なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
			瞬 断 Discontinuity	1.0 microsecond MAX.

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項 目 Item		条 件 Test Condition	規 格 Requirement	
4-3-4	耐衝撃性 Shock	DC 1mA 通電状態にて、嵌合軸を含む互いに垂直な 6方向 に、 490 m/s^2 {50G} の衝撃を 各3回 加える。 (JIS C60068-2-27/MIL-STD-202 試験法 213) 490 m/s^2 {50 G}, 3 strokes in each X,Y,Z axes. (JIS C60068-2-27/MIL-STD-202 Method 213)	外 観 Appearance	異状なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
			瞬 断 Discontinuity	1.0 microsecond MAX.
4-3-5	耐熱性 Heat Resistance	コネクタを嵌合させ、 $105 \pm 2^\circ\text{C}$ の雰囲気中に 96時間 放置後取り出し、1~2時間 室温に放置する。 (JIS C60068-2-2/MIL-STD-202 試験法 108) $105 \pm 2^\circ\text{C}$, 96 hours (JIS C60068-2-2/MIL-STD-202 Method 108)	外 観 Appearance	異状なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-6	耐寒性 Cold Resistance	コネクタを嵌合させ、 $-40 \pm 3^\circ\text{C}$ の雰囲気中に 96時間 放置後取り出し、1~2時間 室温に放置する。 (JIS C60068-2-1) $-40 \pm 3^\circ\text{C}$, 96 hours (JIS C60068-2-1)	外 観 Appearance	異状なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-7	耐湿性 Humidity	コネクタを嵌合させ、 $60 \pm 2^\circ\text{C}$ 、相対湿度 90~95% の雰囲気中に 96時間 放置後取り出し、1~2時間 室温に放置する。 (JIS C60068-2-3/MIL-STD-202 試験法103) Temperature : $60 \pm 2^\circ\text{C}$ Relative Humidity: 90 to 95% Duration : 96 hours (JIS C60068-2-3/MIL-STD-202 Method 103)	外 観 Appearance	異状なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
			耐 電 圧 Dielectric Strength	4-1-3項満足こと Must meet 4-1-3
			絶縁抵抗 Insulation Resistance	100 Megohm MIN.

REVISE ON PC ONLY

J

SEE SHEET 1 OF 9

TITLE:

NEW MINI FIT CONN.
-LEAD FREE-

製品仕様書

REV.

DESCRIPTION

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO
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DOCUMENT NUMBER

PS-5557-015

FILE NAME

PS5557015.doc

SHEET

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EN-37-1(019)



PRODUCT SPECIFICATION



LANGUAGE

JAPANESE
ENGLISH

項 目 Item		条 件 Test Condition	規 格 Requirement	
4-3-8	温度サイクル Temperature Cycling	コネクタを嵌合させ、-55℃ に 30分、+105℃ に 30分、これを 1サイクル とし、5サイクル 繰り返す。但し、温度移行時間は、5分以内 と する。試験後 1~2時間 室温に放置する。 (JIS C0025) 5 cycles of : a) -55℃ 30 minutes b) +105℃ 30 minutes (JIS C0025)	外 観 Appearance	異常なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-9	塩水噴霧 Salt Spray	コネクタを嵌合させ、35±2℃ にて、重量比 5±1% の塩水を 48±4時間 噴霧し、試験後 常温で水洗いした後、室温で乾燥させる。 (JIS C5028/MIL-STD-202 試験法 101) 48±4 hours exposure to a salt spray from the 5±1% solution at 35±2℃. (JIS C5028/MIL-STD-202 Method 101)	外 観 Appearance	異常なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-10	亜硫酸ガス SO ₂ Gas	コネクタを嵌合させ、40±2℃ にて50±5ppm の亜硫酸ガス中に 24時間 放置する。 24 hours exposure to 50±5ppm. SO ₂ gas at 40±2℃.	外 観 Appearance	異常なきこと No Damage
			接触抵抗 Contact Resistance	20 milliohm MAX.
4-3-11	半田付け性 Solder Ability	ターミナルまたはピンをフラックスに浸し、本体 の取付け基準面より 1.2mm 迄、245±3℃ の半 田に 3±0.5秒 浸す。 Solder Time : 3±0.5 seconds Solder Temperature : 245±3℃	濡 れ 性 Solder Wetting	浸漬面積の 75%以上 75% of immersed area must show no voids, pin holes.

REVISE ON PC ONLY

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FILE NAME

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EN-37-1(019)



PRODUCT SPECIFICATION



LANGUAGE

JAPANESE
ENGLISH

項 目 Item		条 件 Test Condition	規 格 Requirement	
4-3-12	半田耐熱性 Resistance to Soldering Heat	ターミナルまたはピンを本体の取付け基準面より 1.2mm迄、260±5℃ の半田に 最大5秒 浸す。 Solder Time : 5 seconds MAX . Solder Temperature : 260±5℃	外 観 Appearance	端子ガタ割れ等 異状なきこと No Damage
		(手半田時) ターミナルまたはピンを本体の取付け基準面より 1.2mm迄、370~400℃ の半田に 最大5秒 浸す。 (Soldering iron method) Soldering Time : 5 seconds MAX. Solder Temperature: 370~400℃		

() : 参考規格 Reference Standard

【5. 外観形状、寸法及び材質 PRODUCT SHAPE, DIMENSIONS AND MATERIALS】

図面参照 Refer to the drawing.

	REVISE ON PC ONLY		TITLE: NEW MINI FIT CONN. -LEAD FREE- 製品仕様書		
	J	SEE SHEET 1 OF 9			
			THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	REV.	DESCRIPTION			
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PRODUCT SPECIFICATION



LANGUAGE

JAPANESE
ENGLISH

【6. 挿入力及び抜去力 INSERTION / WITHDRAWAL FORCE】

極数 No. of CKT.	単位 Unit	挿入力（最大値） Insertion Force (MAX.)			抜去力（最小値） Withdrawal Force (MIN.)		
		初回 1st	6回目 6th	30回目 30th	初回 1st	6回目 6th	30回目 30th
2	N {kgf}	13.8 {1.4}	12.8 {1.3}	12.8 {1.3}	0.98 {0.10}	0.78 {0.08}	0.78 {0.08}
4	N {kgf}	27.5 {2.8}	25.5 {2.6}	25.5 {2.6}	1.96 {0.20}	1.56 {0.16}	1.56 {0.16}
6	N {kgf}	41.2 {4.2}	38.3 {3.9}	38.3 {3.9}	2.94 {0.30}	2.35 {0.24}	2.35 {0.24}
8	N {kgf}	54.9 {5.6}	51.0 {5.2}	51.0 {5.2}	3.92 {0.40}	3.13 {0.32}	3.13 {0.32}
10	N {kgf}	68.6 {7.0}	63.7 {6.5}	63.7 {6.5}	4.90 {0.50}	3.92 {0.40}	3.92 {0.40}
12	N {kgf}	82.4 {8.4}	76.5 {7.8}	76.5 {7.8}	5.88 {0.60}	4.70 {0.48}	4.70 {0.48}
14	N {kgf}	96.1 {9.8}	89.2 {9.1}	89.2 {9.1}	6.86 {0.70}	5.48 {0.56}	5.48 {0.56}
16	N {kgf}	109.8 {11.2}	102.0 {10.4}	102.0 {10.4}	7.84 {0.80}	6.27 {0.64}	6.27 {0.64}
18	N {kgf}	123.5 {12.6}	114.7 {11.7}	114.7 {11.7}	8.82 {0.90}	7.05 {0.72}	7.05 {0.72}
20	N {kgf}	137.2 {14.0}	127.4 {13.0}	127.4 {13.0}	9.8 {1.00}	7.84 {0.80}	7.84 {0.80}
22	N {kgf}	151.0 {15.4}	140.2 {14.3}	140.2 {14.3}	10.7 {1.10}	8.62 {0.88}	8.62 {0.88}
24	N {kgf}	164.7 {16.8}	152.9 {15.6}	152.9 {15.6}	11.7 {1.20}	9.40 {0.96}	9.40 {0.96}

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	J	SEE SHEET 1 OF 9			
	REV.	DESCRIPTION	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
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PRODUCT SPECIFICATION



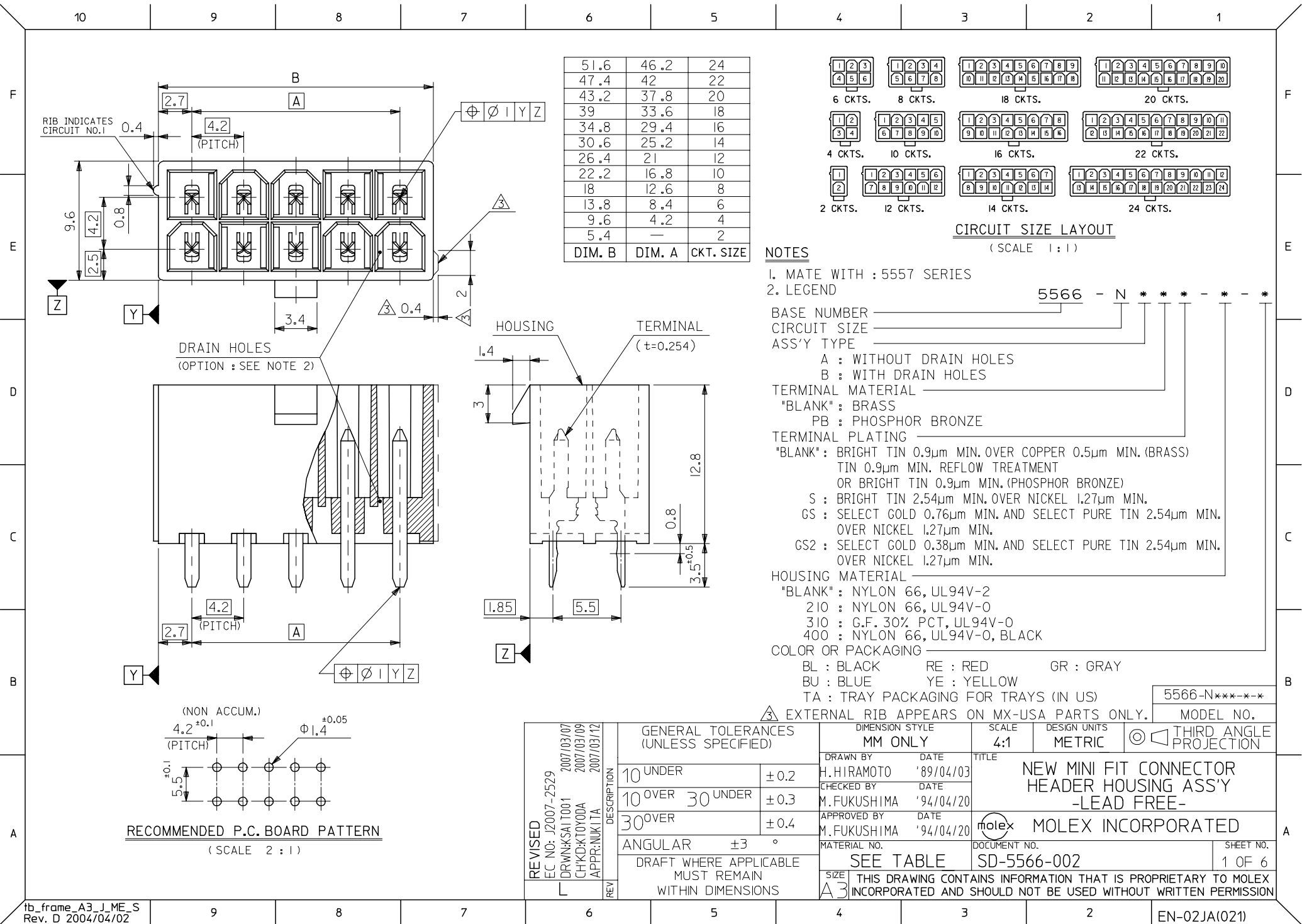
LANGUAGE

JAPANESE
ENGLISH

REV.	REV. RECORD	DATE	EC NO.	WRTTN:	CH'K:
H	REVISED	'05/03/29	J2005-2868	N.AIDA	K.TOYODA
J	REVISED	'07/04/19	J2007-2856	Y.AOYAGI	K.TOYODA

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	J	SEE SHEET 1 OF 9			
	REV.	DESCRIPTION			
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EN-37-1(019)					



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	↑	↑ -22APB-3 IO	↑	↑ -22AGS2-3 IO	↑	↑ -22AGS-3 IO	↑	↑ -22AS-3 IO	↑	↑ -22A-3 IO	22
		-20APB-3 IO		-20AGS2-3 IO		-20AGS-3 IO		-20AS-3 IO		-20A-3 IO	20
		-18APB-3 IO		-18AGS2-3 IO		-18AGS-3 IO		-18AS-3 IO		-18A-3 IO	18
		-16APB-3 IO		-16AGS2-3 IO		-16AGS-3 IO		-16AS-3 IO		-16A-3 IO	16
		-14APB-3 IO		-14AGS2-3 IO		-14AGS-3 IO		-14AS-3 IO		-14A-3 IO	14
		-12APB-3 IO		-12AGS2-3 IO		-12AGS-3 IO		-12AS-3 IO		-12A-3 IO	12
		-10APB-3 IO		-10AGS2-3 IO		-10AGS-3 IO		-10AS-3 IO		-10A-3 IO	10
		-08APB-3 IO		-08AGS2-3 IO		-08AGS-3 IO		-08AS-3 IO		-08A-3 IO	8
		-06APB-3 IO		-06AGS2-3 IO		-06AGS-3 IO		-06AS-3 IO		-06A-3 IO	6
	↓ -04APB-3 IO		↓ -04AGS2-3 IO		↓ -04AGS-3 IO		↓ -04AS-3 IO		↓ -04A-3 IO	4	
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5566-NAPB-3 IO		5566-NAGS2-3 IO		5566-NAGS-3 IO		5566-NAS-3 IO		5566-NA-3 IO			
39-29-5247	5566-24APB-2 IO	39-30-9245	5566-24AGS2-2 IO	39-29-6248	5566-24AGS-2 IO	39-30-6242	5566-24AS-2 IO	39-28-8240	5566-24A-2 IO	24	
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-5207	-20APB-2 IO	-9205	-20AGS2-2 IO	-6208	-20AGS-2 IO	-6202	-20AS-2 IO	-8200	-20A-2 IO	20	
-5187	-18APB-2 IO	-9185	-18AGS2-2 IO	-6188	-18AGS-2 IO	-6182	-18AS-2 IO	-8180	-18A-2 IO	18	
-5167	-16APB-2 IO	-9165	-16AGS2-2 IO	-6168	-16AGS-2 IO	-6162	-16AS-2 IO	-8160	-16A-2 IO	16	
-5147	-14APB-2 IO	-9145	-14AGS2-2 IO	-6148	-14AGS-2 IO	-6142	-14AS-2 IO	-8140	-14A-2 IO	14	
-5127	-12APB-2 IO	-9125	-12AGS2-2 IO	-6128	-12AGS-2 IO	-6122	-12AS-2 IO	-8120	-12A-2 IO	12	
-5107	-10APB-2 IO	-9105	-10AGS2-2 IO	-6108	-10AGS-2 IO	-6102	-10AS-2 IO	-8100	-10A-2 IO	10	
-5087	-08APB-2 IO	-9085	-08AGS2-2 IO	-6088	-08AGS-2 IO	-6082	-08AS-2 IO	-8080	-08A-2 IO	8	
-5067	-06APB-2 IO	-9065	-06AGS2-2 IO	-6068	-06AGS-2 IO	-6062	-06AS-2 IO	-8060	-06A-2 IO	6	
↓ -5047	↓ -04APB-2 IO	↓ -9045	↓ -04AGS2-2 IO	↓ -6048	↓ -04AGS-2 IO	↓ -6042	↓ -04AS-2 IO	↓ -8040	↓ -04A-2 IO	4	
39-29-5027	5566-02APB-2 IO	39-30-9025	5566-02AGS2-2 IO	39-29-6028	5566-02AGS-2 IO	39-30-6022	5566-02AS-2 IO	39-28-8020	5566-02A-2 IO	2	
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5566-NAPB-2 IO		5566-NAGS2-2 IO		5566-NAGS-2 IO		5566-NAS-2 IO		5566-NA-2 IO			
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	
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-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	
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.	CKT. SIZE	
5566-NAPB		5566-NAGS2		5566-NAGS		5566-NAS		5566-NA			

REVISED	EC NO: J2007-2529	DRWNG SAI T001 2007/03/07	CHKDK TOYODA 2007/03/09	APPR: NUKITA 2007/03/12	DESCRIPTION	REV	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				
							30 OVER	± ---	APPROVED BY M. FUKUSHIMA	DATE '94/04/20				
							ANGULAR ± --- °		MATERIAL NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SEE TABLE		DOCUMENT NO. SD-5566-002		SHEET NO. 2 OF 6			
							SIZE A3					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

tb_frame_A3_J_ME_S Rev. D 2004/04/02	9	8	7	6	5	4	3	2	EN-02JA(021)	
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	↑	↑ -22BGS2-3 IO	↑	↑ -22BGS-3 IO	↑	↑ -22BS-3 IO	↑	↑ -22B-3 IO	↑	↑ -22APBS-3 IO	22
		-20BGS2-3 IO		-20BGS-3 IO		-20BS-3 IO		-20B-3 IO		-20APBS-3 IO	20
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		-16BGS2-3 IO		-16BGS-3 IO		-16BS-3 IO		-16B-3 IO		-16APBS-3 IO	16
		-14BGS2-3 IO		-14BGS-3 IO		-14BS-3 IO		-14B-3 IO		-14APBS-3 IO	14
		-12BGS2-3 IO		-12BGS-3 IO		-12BS-3 IO		-12B-3 IO		-12APBS-3 IO	12
		-10BGS2-3 IO		-10BGS-3 IO		-10BS-3 IO		-10B-3 IO		-10APBS-3 IO	10
		-08BGS2-3 IO		-08BGS-3 IO		-08BS-3 IO		-08B-3 IO		-08APBS-3 IO	8
		-06BGS2-3 IO		-06BGS-3 IO		-06BS-3 IO		-06B-3 IO		-06APBS-3 IO	6
	↓	↓ -04BGS2-3 IO	↓	↓ -04BGS-3 IO	↓	↓ -04BS-3 IO	↓	↓ -04B-3 IO	↓	↓ -04APBS-3 IO	4
NOT TOOLED	5566-02BGS2-3 IO	NOT TOOLED	5566-02BGS-3 IO	NOT TOOLED	5566-02BS-3 IO	NOT TOOLED	5566-02B-3 IO	NOT TOOLED	5566-02APBS-3 IO	2	
EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	CKT. SIZE	
5566-NBGS2-3 IO		5566-NBGS-3 IO		5566-NBS-3 IO		5566-NB-3 IO		5566-NAPBS-3 IO			
39-30-9247	5566-24BGS2-2 IO	39-31-0248	5566-24BGS-2 IO	39-31-0242	5566-24BS-2 IO	39-31-0240	5566-24B-2 IO	39-30-6244	5566-24APBS-2 IO	24	
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↑ -9187	↑ -18BGS2-2 IO	↑ -0188	↑ -18BGS-2 IO	↑ -0182	↑ -18BS-2 IO	↑ -0180	↑ -18B-2 IO	↑ -6184	↑ -18APBS-2 IO	18	
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↑ -9127	↑ -12BGS2-2 IO	↑ -0128	↑ -12BGS-2 IO	↑ -0122	↑ -12BS-2 IO	↑ -0120	↑ -12B-2 IO	↑ -6124	↑ -12APBS-2 IO	12	
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39-30-9027	5566-02BGS2-2 IO	39-31-0028	5566-02BGS-2 IO	39-31-0022	5566-02BS-2 IO	39-31-0020	5566-02B-2 IO	39-30-6024	5566-02APBS-2 IO	2	
EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	CKT. SIZE	
5566-NBGS2-2 IO		5566-NBGS-2 IO		5566-NBS-2 IO		5566-NB-2 IO		5566-NAPBS-2 IO			
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	
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	
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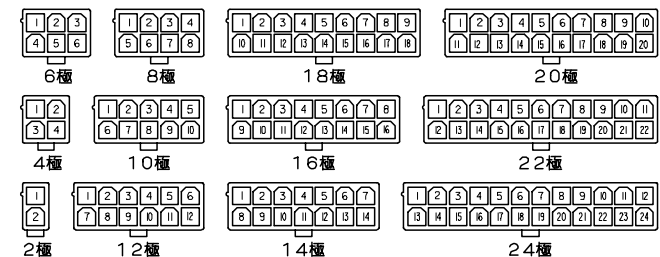
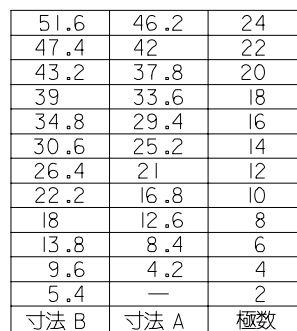
REVISED EC NO: J2007-2529 DRW:KSAI T001 CHK:DK TOYODA APPR:NUKITA	2007/03/07 2007/03/09 2007/03/12	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			10 UNDER	± ---	DRAWN BY H. HIRAMOTO	DATE '89/04/03	TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-					
			10 OVER 30 UNDER	± ---	CHECKED BY M. FUKUSHIMA	DATE '94/04/20						
			30 OVER	± ---	APPROVED BY M. FUKUSHIMA	DATE '94/04/20	MOLEX INCORPORATED					
			ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-5566-002		3 OF 6			
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

tb_frame_A3_J_ME_S Rev. D 2004/04/02	9	8	7	6	5	4	3	2	EN-02JA(021)	
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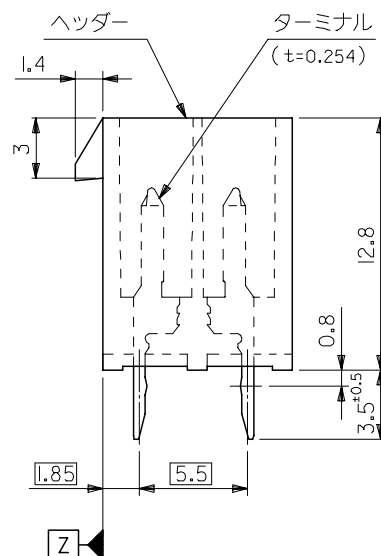
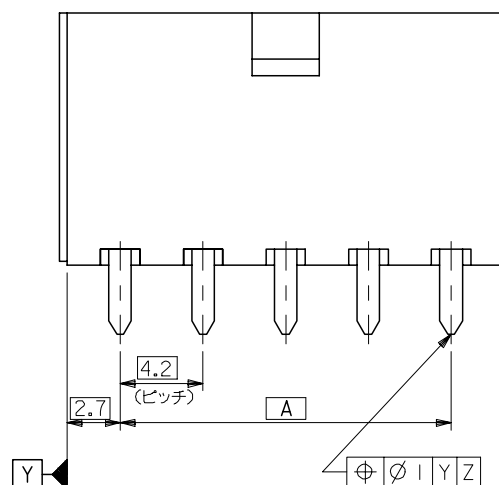
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								-20BPBS-3 IO		-20BPB-3 IO	20		
								-18BPBS-3 IO		-18BPB-3 IO	18		
								-16BPBS-3 IO		-16BPB-3 IO	16		
								-14BPBS-3 IO		-14BPB-3 IO	14		
								-12BPBS-3 IO		-12BPB-3 IO	12		
								-10BPBS-3 IO		-10BPB-3 IO	10		
								-08BPBS-3 IO		-08BPB-3 IO	8		
								-06BPBS-3 IO		-06BPB-3 IO	6		
						▼	-04BPBS-3 IO	▼	-04BPB-3 IO	4			
E							NOT TOOLED	5566-02BPBS-3 IO	NOT TOOLED	5566-02BPB-3 IO	2		
							EDP NO.	ENG. NO	EDP NO.	ENG. NO	CKT. SIZE		
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D							39-31-0246	5566-24BPBS-2 IO	39-31-0244	5566-24BPB-2 IO	24		
							▲	-0226	▲	-0224	22		
								-0206		-0204	20		
								-0186		-0184	18		
								-0166		-0164	16		
								-0146		-0144	14		
								-0126		-0124	12		
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								-0086		-0084	8		
								-0066		-0064	6		
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REVISED	EC NO: J2007-2529 DRAWN BY: SAI T001 CHECKED BY: T0100A APPR: NUKITA 2007/03/07 2007/03/09 2007/03/12	DESCRIPTION	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	NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE- MOLEX INCORPORATED						
			10 OVER 30 UNDER	± ---	CHECKED BY M. FUKUSHIMA	DATE '94/04/20							
			30 OVER	± ---	APPROVED BY M. FUKUSHIMA	DATE '94/04/20							
			ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-5566-002		4 OF 6				
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
			REV										
			tb_frame_A3_J_ME_S Rev. D 2004/04/02		9	8	7	6	5	4	3	2	EN-02JA(021)

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A	<table><tr><td rowspan="6">REVISED EC NO.: J2007-2529 DRAWN BY SAITO01 CHKD BY TOTO0A APPR: NUKITA 2007/03/07 2007/03/09 2007/03/12</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE ---</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td>10 UNDER</td><td>± ---</td><td>DRAWN BY H. HIRAMOTO</td><td>DATE '89/04/03</td><td colspan="5" rowspan="3">NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE- MOLEX INCORPORATED</td></tr><tr><td>10 OVER 30 UNDER</td><td>± ---</td><td>CHECKED BY M. FUKUSHIMA</td><td>DATE '94/04/20</td></tr><tr><td>30 OVER</td><td>± ---</td><td>APPROVED BY M. FUKUSHIMA</td><td>DATE '94/04/20</td></tr><tr><td colspan="2">ANGULAR ±--- °</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-5566-002</td><td colspan="2">5 OF 6</td></tr><tr><td colspan="2"></td><td colspan="2">SIZE A3</td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>											REVISED EC NO.: J2007-2529 DRAWN BY SAITO01 CHKD BY TOTO0A APPR: NUKITA 2007/03/07 2007/03/09 2007/03/12	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	NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE- MOLEX INCORPORATED					10 OVER 30 UNDER	± ---	CHECKED BY M. FUKUSHIMA	DATE '94/04/20	30 OVER	± ---	APPROVED BY M. FUKUSHIMA	DATE '94/04/20	ANGULAR ±--- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-5566-002		5 OF 6				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							A																																																																																																					
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tb_frame_A3_J_ME_S Rev. D 2004/04/02	9	8	7	6	5	4	3	2	1	EN-02JA(021)																																																																																																																																																												

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極数別レイアウト図
(SCALE 1:1)



注 記

1. 嵌合相手：5557シリーズ
2. 使用符号の説明

2. 使用符号の説明 5566 - N A * * - * - *

ベースナンバー _____

極数 _____

アッセンブリー

ターミナル材料 _____

"BLANK": 黃銅		
-------------	--	--

PB : リン青銅		
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ターミナルのメッキ _____

"BLANK": 錫メッキ 0.9μm MIN.

GS : ニッケル 1.27 μ m MIN, 全面下地

コンタクト部 金 0.76 μ m MIN.

半田付け部 錫 2.54μm MIN.

△ツグー材料

"BLANK": ナイロン66 III 94V-2

210 : キイロソウ 66, III 94V-0

400 : ナイロン 66, III 94V-0 里

色 400 : 2105 00, 02 34V 0, 无

Bl. 黑色

BU · 青色

RF : 赤色

YE: 黄色

TE : 黄色	5566-NA*
GR : 灰色	

OR : 灰土	MODEL
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	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE
--	-----------------	-------	--------------	---

MM ONLY	4:1	METRIC	THIRD ANGLE PROJECT
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DRAWN BY	DATE	TITLE
		NEW MINI FIT CONNECTOR

H. HIRAMOTO	'89/05/07	NEW MINI FIT CONNECTOR HEADED ASSY
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CHECKED BY	DATE	HEADER ASS'Y
------------	------	--------------

M.FUKUSHIMA '91/10/29	-LEAD FREE-
-----------------------	-------------

APPROVED BY	DATE	 MOLEY INCORPORATED
-------------	------	--

M. ENOMOTO	'91/10/29		MOLEX INCORPORATED
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MATERIAL NO.	DOCUMENT NO.	S
SEE CHART	CD 5511 003	

SEE CHART	SD-5566-003	1
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO

1A3 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PER

4	3	2	EN-021A(01
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EN-025A(02)

基板穴推奨寸法
(SCALE 2 : 1)

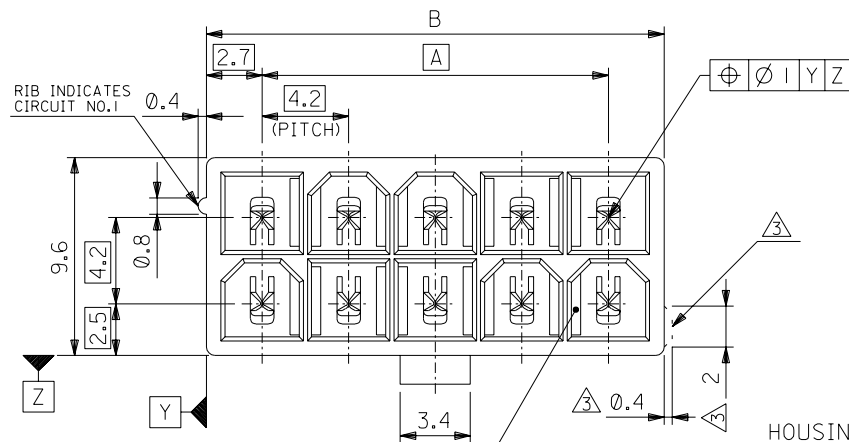
	10	9	8	7	6	5	4	3	2	1																																														
F										39-35-0248 ▲ -0228 -0208 -0188 -0168 -0148 -0128 -0108 -0088 -0068 ▼ -0048	5566-24A-400 ▲ -22A-400 -20A-400 -18A-400 -16A-400 -14A-400 -12A-400 -10A-400 -08A-400 -06A-400 ▼ -04A-400	24 22 20 18 16 14 12 10 8 6 4																																												
E										39-35-0028 EDP NO.	5566-02A-400 ENG. NO.	2 極数																																												
										5566-NA-400																																														
	39-29-5247 ▲ -5227 -5207 -5187 -5167 -5147 -5127 -5107 -5087 -5067 ▼ -5047	5566-24APB-2 IO ▲ -22APB-2 IO -20APB-2 IO -18APB-2 IO -16APB-2 IO -14APB-2 IO -12APB-2 IO -10APB-2 IO -08APB-2 IO -06APB-2 IO ▼ -04APB-2 IO	39-29-6248 ▲ -6228 -6208 -6188 -6168 -6148 -6128 -6108 -6088 -6068 ▼ -6048	5566-24AGS-2 IO ▲ -22AGS-2 IO -20AGS-2 IO -18AGS-2 IO -16AGS-2 IO -14AGS-2 IO -12AGS-2 IO -10AGS-2 IO -08AGS-2 IO -06AGS-2 IO ▼ -04AGS-2 IO	39-28-8240 ▲ -8220 -8200 -8180 -8160 -8140 -8120 -8100 -8080 -8060 ▼ -8040	5566-24A-2 IO ▲ -22A-2 IO -20A-2 IO -18A-2 IO -16A-2 IO -14A-2 IO -12A-2 IO -10A-2 IO -08A-2 IO -06A-2 IO ▼ -04A-2 IO	24 22 20 18 16 14 12 10 8 6 4																																																	
D	39-29-5027 EDP NO.	5566-02APB-2 IO ENG. NO.	39-29-6028 EDP NO.	5566-02AGS-2 IO ENG. NO.	39-28-8020 EDP NO.	5566-02A-2 IO ENG. NO.	2 極数																																																	
	5566-NAPB-2 IO			5566-NAGS-2 IO		5566-NA-2 IO		極数																																																
C	39-29-5246 ▲ -5226 -5206 -5186 -5166 -5146 -5126 -5106 -5086 -5066 ▼ -5046	5566-24APB ▲ -22APB -20APB -18APB -16APB -14APB -12APB -10APB -08APB -06APB ▼ -04APB	39-29-0243 ▲ -0223 -0203 -0183 -0163 -0143 -0123 -0103 -0083 -0063 ▼ -0043	5566-24AGS ▲ -22AGS -20AGS -18AGS -16AGS -14AGS -12AGS -10AGS -08AGS -06AGS ▼ -04AGS	39-28-1243 ▲ -1223 -1203 -1183 -1163 -1143 -1123 -1103 -1083 -1063 ▼ -1043	5566-24A ▲ -22A -20A -18A -16A -14A -12A -10A -08A -06A ▼ -04A	24 22 20 18 16 14 12 10 8 6 4																																																	
B	39-29-5026 EDP NO.	5566-02APB ENG. NO.	39-29-0023 EDP NO.	5566-02AGS ENG. NO.	39-28-1023 EDP NO.	5566-02A ENG. NO.	2 極数																																																	
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	10	9	8	7	6	5	4	3	2	1		
F												F
E												E
D												D
C												C
B												B
A												A

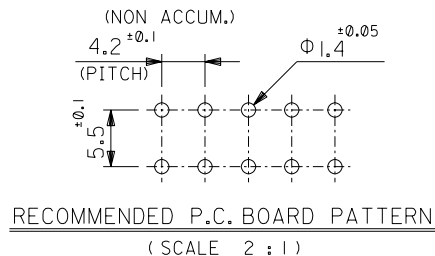
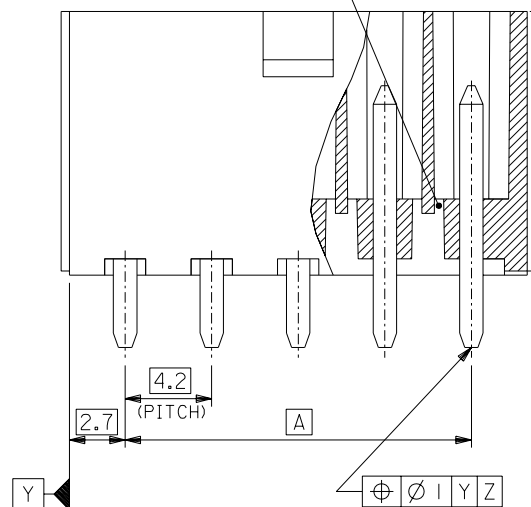
										24
										22
										20
										18
						39-33-3169	5566-16A-210-BU	39-33-3168	5566-16A-210-BL	16
										14
										12
			39-33-4100	5566-10A-210-RE	39-33-3109	5566-10A-210-BU	39-33-3108	5566-10A-210-BL		10
							39-33-3088	5566-08A-210-BL		8
										6
			39-33-4040	5566-04A-210-RE	39-33-3049	5566-04A-210-BU				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.	EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.			極数
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			39-33-3166	5566-16A-RE	39-33-3164	5566-16A-BU			14
				39-33-3126	5566-12A-RE	39-33-3124	5566-12A-BU	39-33-3143	5566-14A-BL	12
				39-33-3106	5566-10A-RE	39-33-3104	5566-10A-BU			10
		39-33-3087	5566-08A-YE	39-33-3086	5566-08A-RE	39-33-3084	5566-08A-BU			8
		39-33-3067	5566-06A-YE	39-33-3066	5566-06A-RE	39-33-3064	5566-06A-BU			6
				39-33-3046	5566-04A-RE	39-33-3044	5566-04A-BU	39-33-3043	5566-04A-BL	4
				39-33-3026	5566-02A-RE	39-33-3024	5566-02A-BU	39-33-3023	5566-02A-BL	2
EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.	EDP. NO.	ENG. NO.	極数
5566-NA-GR		5566-NA-YE		5566-NA-RE		5566-NA-BU		5566-NA-BL		

REVISED EC NO.: J2006-2418 DRAWN:NABEI CHKD:KTOYODA APPR:NUKI TA H	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		10 OVER 30 UNDER	± ---	CHECKED BY M.FUKUSHIMA	DATE '91/10/29					
		30 OVER	± ---	APPROVED BY M.ENOMOTO	DATE '91/10/29	MOLEX INCORPORATED				
		ANGULAR ±--- °		MATERIAL NO.		DOCUMENT NO. SD-5566-003			SHEET NO. 3 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

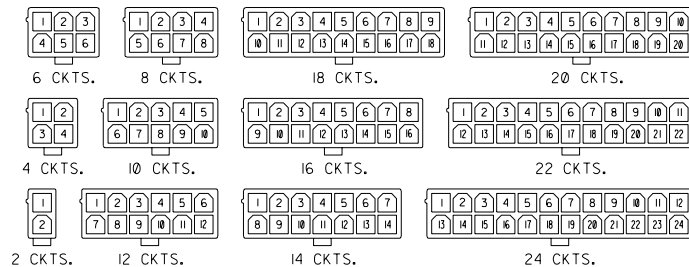
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DRAIN HOLES
(OPTION : SEE NOTE 2)



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



CIRCUIT SIZE LAYOUT
(SCALE 1:1)

NOTES

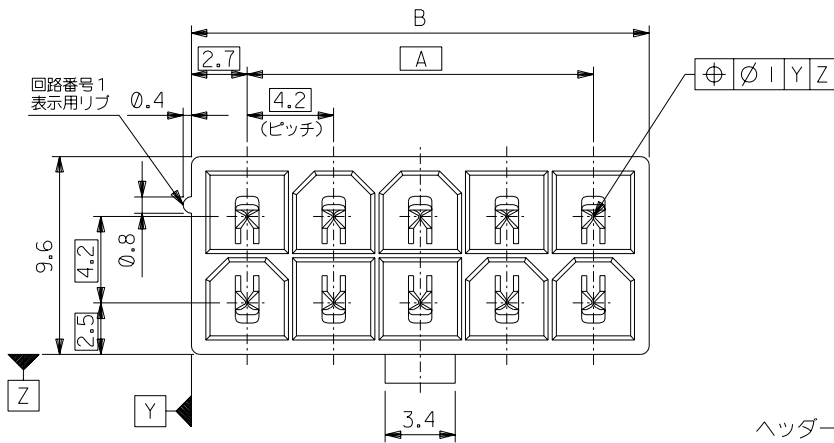
- MATE WITH : 5557 SERIES
- LEGEND

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
EXTERNAL RIB APPEARS ON MX-USA PARTS ONLY.

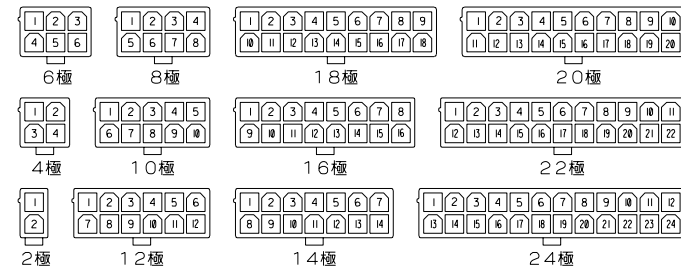
				材料 MATERIAL	材料 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
5566-N*****	J	REVISED (J2004-4416)	M.N. K.T. '04/5/25	SEE NOTE 2	REVISE ONLY ON CAD SYSTEM
MODEL NO.	H	REVISED (J40308)	H.H. M.F. '94/4/19	仕上げ FINISH	TITLE 名称
角度 ANGLE	$\pm 3^\circ$	G	REVISED (J10190)	H.H. Y.Y. '91/3/7	適用電線範囲 WIRE RANGE
30 以上 OVER	± 0.4	F	REVISED (J00638)	H.H. Y.Y. '90/6/8	被覆外径 INS. RANGE
10 以上 30 未満 OVER UNDER	± 0.3	E	REVISED (J90681)	H.H. Y.Y. '89/8/25	DRAWN BY '89/4/3 H.HIRAMOTO
10 未満 UNDER	± 0.2	D	REVISED & REDRAWN (J90237)	H.H. Y.Y. '89/4/3	CHK'D BY '94/4/20 M.FUKUSHIMA
一般公差 GENERAL TOLERANCES	記号 LTR	変更内容 REVISION RECORD	日付 DATE	尺度 SCALE 4:1	DWG. NO. SHEET 1 OF 4 REV J

		8		7				6		5				4				3				2				1			
DWG. NO. SD-5566-N*****	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		24			
		▲		▲			▲		▲			▲		▲			▲		▲			▲		▲		22			
				-22APB-310					-22AGS2-310					-22AGS-310					-22AS-310					-22A-310		20			
				-20APB-310					-20AGS2-310					-20AGS-310					-20AS-310					-20A-310		18			
				-18APB-310					-18AGS2-310					-18AGS-310					-18AS-310					-18A-310		16			
				-16APB-310					-16AGS2-310					-16AGS-310					-16AS-310					-16A-310		14			
				-14APB-310					-14AGS2-310					-14AGS-310					-14AS-310					-14A-310		12			
				-12APB-310					-12AGS2-310					-12AGS-310					-12AS-310					-12A-310		10			
				-10APB-310					-10AGS2-310					-10AGS-310					-10AS-310					-10A-310		8			
				-08APB-310					-08AGS2-310					-08AGS-310					-08AS-310					-08A-310		6			
			-06APB-310					-06AGS2-310					-06AGS-310					-06AS-310					-06A-310		4				
			-04APB-310					-04AGS2-310					-04AGS-310					-04AS-310					-04A-310		2				
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		CKT.			
	EDP NO.		ENG. NO.		EDP NO.		ENG. NO.		EDP NO.		ENG. NO.		EDP NO.		ENG. NO.		EDP NO.		ENG. NO.		EDP NO.		ENG. NO.		SIZE				
D	5566-NAPB-310			5566-NAGS2-310			5566-NAGS-310			5566-NAS-310			5566-NA-310																
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		-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								
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		-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							
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A																													

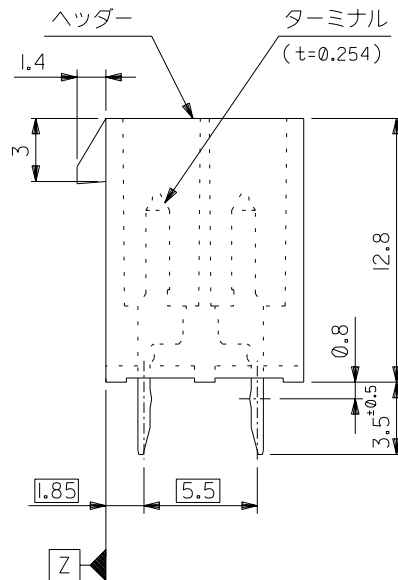
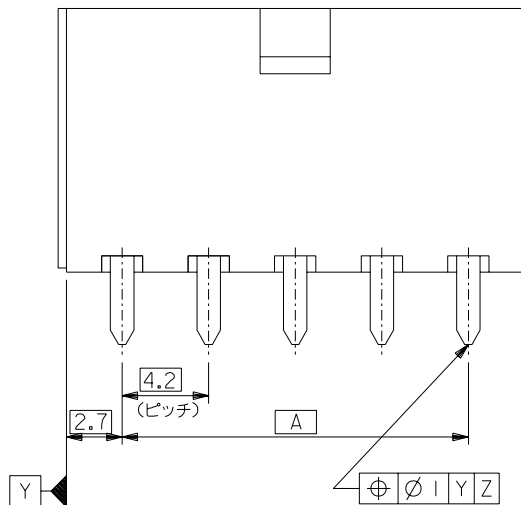
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																		-0186		-18BPBS-210		-0184		-18BPB-210	18																									
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D																			-0106		-10BPBS-210		-0104		-10BPB-210	10																								
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																	5566-NA-400				5566-NBPBS				5566-NBPB																									
B																				24						材料 MATERIAL		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社		A																				
																										SEE NOTE 2		REVISE ONLY ON CAD SYSTEM																						
																		5566-N****-		J	SEE SHEET 1 OF 4	M,N K,T		'04/5/25		仕上げ FINISH		SEE NOTE 2			TITLE 名称																			
																		MODEL NO.		H	SEE SHEET 1 OF 4	H,H M,F		'94/4/19		適用電線範囲 WIRE RANGE		—H—			NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y																			
																		角度 ANGLE		+3°	G	SEE SHEET 1 OF 4	H,H Y,Y		'91/3/7		被覆外径 INS. RANGE		—H—		-LEAD FREE-																			
																		30°以上 OVER		+0.3	F	SEE SHEET 1 OF 4	H,H Y,Y		'90/6/8																									
																		10°以上 30°未満 UNDER		+0.25	E	SEE SHEET 1 OF 4	H,H Y,Y		'89/8/25																									
																		10°未満 UNDER		+0.2	D	SEE SHEET 1 OF 4	H,H Y,Y		'89/4/3		DRAWN BY '89/4/3 H.HIRAMOTO		CHK'D BY '94/4/20 M.FUKUSHIMA		DWG. NO. SHEET 4 OF 4		REV																	
																		一般公差 GENERAL TOLERANCES				記号 LTR		変更内容 REVISION RECORD		DR. CHK.		日付 DATE			尺度 SCALE		SD-5566-N****-*		J															
																																			5566-S34															
																	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION 本図面は日本モレックス（株）の所有する情報を含むもので 当社の許可なく複製を禁止する。																	EN-01C(032)MXJ-32																
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51.6	46.2	24
47.4	42	22
43.2	37.8	20
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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
寸法 B	寸法 A	極数



極数別レイアウト図
(SCALE 1:1)



注 記

1. 嵌合相手 : 5557シリーズ
2. 使用符号の説明

ベースナンバー 5566 - N A * * - *

極数

アッセンブリー

ターミナル材料

"BLANK" : 黄銅

PB : リン青銅

ターミナルのメッキ

"BLANK" : 錫メッキ 0.9μm MIN.

GS : ニッケル 1.27μm MIN. 全面下地

コンタクト部 金 0.76μm MIN.

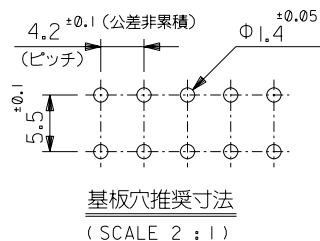
半田付け部 錫 2.54μm MIN.

ヘッダー材料

"BLANK" : ナイロン 66, UL 94V-2

210 : ナイロン 66, UL 94V-0

400 : ナイロン 66, UL 94V-0, 黒



				材料 MATERIAL		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				注記 2 参照		EDP NO. SHEET 2 OF 2 参照	
				仕上げ FINISH 注記 2 参照		ENG. NO. SHEET 1 OF 2	
				適用電線範囲 WIRE RANGE		SD-5566-NA***	
				被覆外径 INS. RANGE		REV F	
角度 ANGLE				DRAWN BY '89/5/7 H.HIRAMOTO		TITLE 名称 NEW MINI FIT CONNECTOR HEADER ASS'Y -LEAD FREE-	
30°以上 OVER				CHK'D BY '91/10/29 M.FUKUSHIMA			
10°以上 OVER 30°未満 UNDER				APP'D BY '91/10/29 M.ENOMOTO			
10°未満 UNDER				REVISION RECORD			
一般公差 GENERAL TOLERANCES				REVISE ONLY ON CAD SYSTEM			

— DIMENSIONS IN METRIC DO NOT SCALE DRAWING

						材料 MATERIAL		MOLEX MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
5566-NA***						注記 2 参照		EDP. NO. 表 参照	
MODEL NO.						仕上げ FINISH 注記 2 参照		SHEET 2 OF 2	
角度 ANGLE		F SEE SHEET 1 OF 2		M.N. K.T.		適用電線範囲 WIRE RANGE		REV. F	
30 以上 OVER		E SEE SHEET 1 OF 2		H.H.		被覆外径 INS. RANGE		SD-5566-NA***	
10 以上 OVER 30 未満 UNDER		D SEE SHEET 1 OF 2		H.H. Y.Y.		DRAWN BY '90/5/7 H.HIRAMOTO		TITLE 名称	
10 未満 UNDER		記号 LTR 変更内容 REVISION RECORD		DR. 日付 DATE		CHK'D BY '91/10/29 M.FUKUSHIMA		NEW MINI FIT CONNECTOR	
一般公差 GENERAL TOLERANCES		REVISE ONLY ON CAD SYSTEM		CHK. 尺度 SCALE		APP'D BY '91/10/29 M.ENOMOTO		HEADER ASS'Y -LEAD FREE-	