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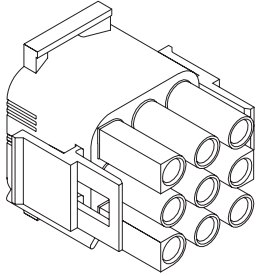
JAMECO[®]
ELECTRONICS

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Jameco Part Number 1961428

2.13mm (.084") Diameter MLX™ Pin and Socket Plug 42021



Features and Benefits

- Intermateable, intermountable and interchangeable with industry-standard versions
- Cross tested to assure industry compatibility
- Positive locks
- Fully isolated contacts
- Circuit ID grooves to reduce assembly errors
- Anti-stress positioning tabs to reduce breakage

Reference Information

Product Specification: PS-42022-0001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 42002 header, 42022 cap and 43255 header
Designed In: Inches

Electrical

Voltage: 600V
Current:

Circuits							
1	2	3	4	6	9	12	15
13.5A	13.5A	13.5A	13.5A	11.0A	11.0A	11.0A	11.0A

Dielectric Withstanding Voltage: 2900V (Header),
5000V (Wire-To-Wire)
Insulation Resistance: 1000 Megohms min.

Mechanical

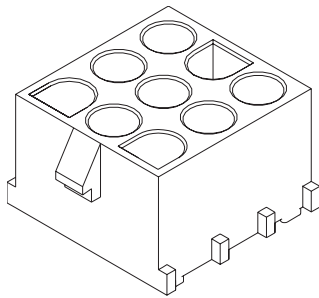
Contact Retention to Housing: 66.88N (15 lb)

Physical

Plug Housing: Nylon, 94V-2 or 94V-0
Operating Temperature: -55 to +105°C

Circuits	Amperes/Circuit (Max.)	Order No.		
		94V-2 (White)	94V-0 (Brick Red)	94V-0 (White)
1	13.5	50-84-1010	50-84-1011	50-84-1015
2		50-84-1020	50-84-1021	50-84-1025
3		50-84-1030	50-84-1031	50-84-1035
4		50-84-1040	50-84-1041	50-84-1045
6	11	50-84-1060	50-84-1061	50-84-1065
9		50-84-1090	50-84-1091	50-84-1095
12		50-84-1120	50-84-1121	50-84-1125
15		50-84-1150	50-84-1151	50-84-1155

2.13mm (.084") Diameter MLX™ Power Connector Header 42002 Vertical



Features and Benefits

- Intermateable, intermountable and interchangeable with industry-standard versions
- Cross tested to assure industry compatibility
- Positive locks
- Fully isolated contacts

Reference Information

Product Specification: PS-42022-0001
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
Designed In: Inches

Electrical

Voltage: 600V
Current:

Circuits						
2	3	4	6	9	12	15
13.5A	13.5A	13.5A	11.0A	11.0A	11.0A	11.0A

Contact Resistance: 3.5 milliohms max.
Dielectric Withstanding Voltage: 2900V
Insulation Resistance: 1000 Megohms min.

Physical

Header Housing: See Table
Header Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -55 to +105°C

Circuits	Order No.				Housing	Lead-free
	White		Brick Red			
	Male	Female	Male	Female		
2	10-84-4020	10-84-4022	10-84-4021	10-84-4023	94V-2	Yes
	10-84-5020	10-84-5021		10-84-4023	94V-0	
3	10-84-4030	10-84-4032	10-84-4031	10-84-4033	94V-2	
	10-84-5030	10-84-5031		10-84-4033	94V-0	
4	10-84-4040	10-84-4042	10-84-4041	10-84-4043	94V-2	
	10-84-5040	10-84-5041		10-84-4043	94V-0	
6	10-84-4060	10-84-4062	10-84-4061	10-84-4063	94V-2	
	10-84-5060	10-84-5061		10-84-4063	94V-0	
9	10-84-4090	10-84-4092	10-84-4091	10-84-4093	94V-2	
	10-84-5090	10-84-5091		10-84-4093	94V-0	
12	10-84-4120	10-84-4122	10-84-4121	10-84-4123	94V-2	
	10-84-5120	10-84-5121		10-84-4123	94V-0	
15	10-84-4150	10-84-4152	10-84-4151	10-84-4153	94V-2	
	10-84-5150	10-84-5151		10-84-4153	94V-0	



MOLEX INCORPORATED
LISLE, ILL. 60532 U.S.A.

PRODUCT SPECIFICATION FOR .084/(2.13) DIAMETER SERIES CONNECTOR HOUSINGS AND TERMINALS

(HOT TIN PLATED TERMINALS ONLY)

1.0 Scope:

This specification covers the .250 inch (6.35mm) centerline tin plated connector series terminated to 14 to 20 AWG wire using crimp technology.

2.0 Product Description:

2.1 Product Name and Part Number

Product Name	Part Number
Housing, Plug, 1 circuit	42021-1*
Housing, Plug, 2 circuit	42021-2*
Housing, Plug, 3 circuit	42021-3*
Housing, Plug, 4 circuit	42021-4*
Housing, Plug, 6 circuit	42021-6*
Housing, Plug, 9 circuit	42021-9*
Housing, Plug, 12 circuit	42021-12*
Housing, Plug, 15 circuit	42021-15*
Housing, cap, 1 circuit	42022-1*
Housing, cap, 2 circuit	42022-2*
Housing, cap, 3 circuit	42022-3*
Housing, cap, 4 circuit	42022-4*
Housing, cap, 6 circuit	42022-6*
Housing, cap, 9 circuit	42022-9*
Housing, cap, 12 circuit	42022-12*
Housing, cap, 15 circuit	42022-15*
Terminal, pin, tin plated	42023-1A1*
Terminal, socket, tin plated	42024-A1*

2.2 Materials, Platings and Markings

See the appropriate Sales Drawings for information on materials, platings and markings

3.0 Applicable Documents and Specifications:

See the Sales Drawings and the other sections of this Specification.

3.1 Agency approvals:

UL file number: E29179

CSA file number: LR19980

DRWG. NO.
PS-42022-0001

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REV.	B	B	B	B	B	B
SHT.	1	2	3	4	5	6

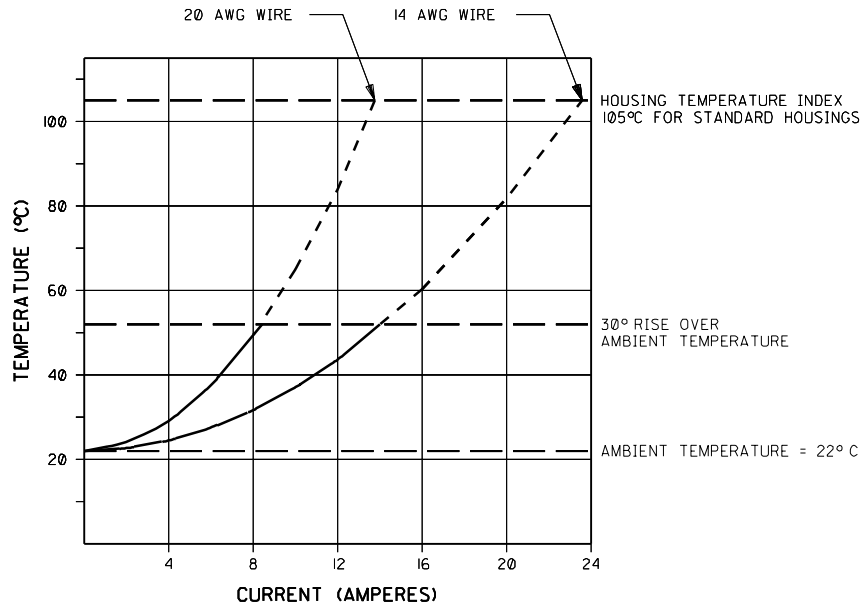
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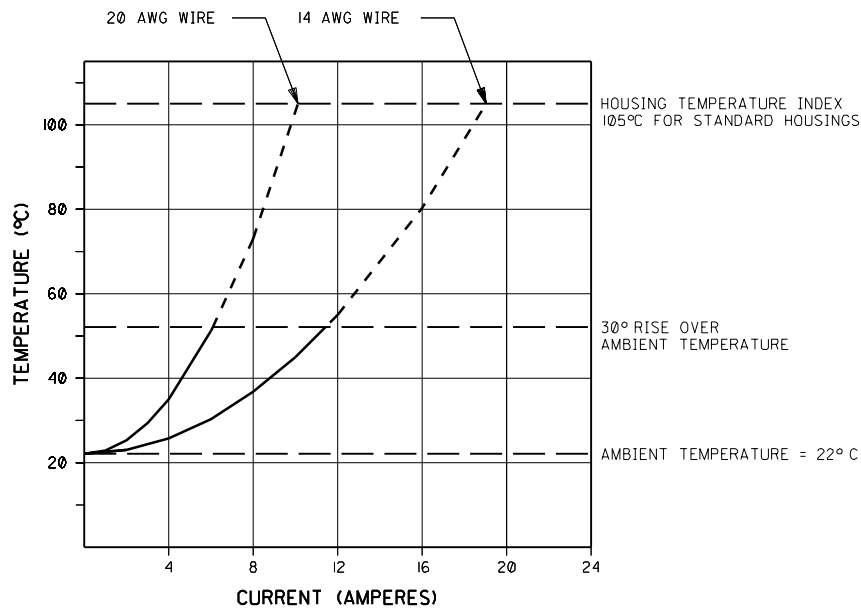
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PRODUCT SPECIFICATION FOR .084/(2.13) DIAMETER SERIES CONNECTOR HOUSINGS AND TERMINALS

(HOT TIN PLATED TERMINALS ONLY)



TEMPERATURE VERSUS CURRENT
FOR BRASS TERMINALS IN FOUR CIRCUIT HOUSINGS
ALL FOUR CIRCUITS CARRY THE INDICATED CURRENT
(VALUES ABOVE THE 30°C RISE ARE EXTRAPOLATED)



TEMPERATURE VERSUS CURRENT
FOR BRASS TERMINALS IN NINE CIRCUIT HOUSINGS
ALL NINE CIRCUITS CARRY THE INDICATED CURRENT
(VALUES ABOVE THE 30°C RISE ARE EXTRAPOLATED)

THESE GRAPHS SHOW TYPICAL (AVERAGE) PERFORMANCE

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PRODUCT SPECIFICATION FOR .084/(2.13) DIAMETER SERIES CONNECTOR HOUSINGS AND TERMINALS

(HOT TIN PLATED TERMINALS ONLY)

- 4.0 Ratings:
4.1 Voltage: 600 Volts
4.2 Current and Applicable Wires:

ITEM	TEST CONDITION	REQUIREMENT
Temperature Rise	Mate the connectors and measure the contact temperature at the rated current load (IEC STD. 512-3)	Maximum Temperature of the terminal over ambient of 30 C (see sheet 2)

-See sheet 2 for typical temperature versus current curves
-14 to 20 AWG wire - Outside Insulation Diameter .130 inch (3.30mm) Maximum

- 4.3 Temperature: Operating - 55 C to + 105 C

- 5.0 Performance Specifications
5.1 Electrical Performance

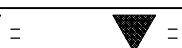
ITEM	TEST CONDITION	REQUIREMENT
Contact Resistance [Low Level]	Mate connectors with a maximum voltage of 20 mV and a current of 100 mA (MIL-STD-1344A METHOD 3004.1)	3.5 milliohms Maximum (initial)
Insulation Resistance	Mate connectors with a voltage of 500 VDC between adjacent terminals. (MIL-STD-1344A METHOD 3003.1)	1000 Megohms Minimum (initial)
Dielectric Strength	Mate connectors with a voltage of 5000 VAC for 1 minute between adjacent terminals. (MIL-STD-1344A METHOD 3001.1)	No Breakdown

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PRODUCT SPECIFICATION FOR .084/(2.13) DIAMETER SERIES CONNECTOR HOUSINGS AND TERMINALS

(HOT TIN PLATED TERMINALS ONLY)

5.2 Mechanical Performance

ITEM	TEST CONDITION	REQUIREMENT	
		MAX	Min
Connector Insertion and Withdrawal	Insert and withdraw connectors at a rate of 0.5 inches per minute (12.7 mm per minute) (MIL-STD-1344A METHOD 2013.1)	INSERTION 1.5	WITHDRAWAL 0.5 (per terminal, initial)
Retention Force in Housing	Axial pull out force on the terminal in the housing at a rate of .5 inches per minute (12.7 mm per minute) (MIL-STD-1344A METHOD 2012.1)	15 lbf Minimum	
Durability	Mate connectors up to 50 cycles at a maximum rate of 5 cycles per minute (MIL-STD-1344A METHOD 2016)	3.5 milliohm Max	
Vibration	Amplitude: .060" (1.5 mm) peak to peak Sweep: 10-55-10 Hertz in one minute Duration: 2 hours in each X-Y-Z axis (MIL-STD-1344A METHOD 2005.1) (TEST CONDITION I)	Appearance: No Damage Contact Resistance: 5.0 milliohm Maximum Discontinuity: 1 micro second Maximum	
Mechanical Shock	50 G's with three shocks in each X-Y-Z axis (MIL-STD-1344A METHOD 2004.1) (TEST CONDITION A)	Appearance: No Damage Contact Resistance: 6 milliohm Maximum Discontinuity: 1 micro second Maximum	
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 1 +/- 1/4 inch per minute (25 +/- 6 mm per minute) (MIL-STD-1344A METHOD 2003.1)	AWG 14 16 18 20	Pullout Force 50 lbf 45 lbf 30 lbf 14 lbf
Terminal Insertion Force (Axial)	Apply an axial insertion force on the terminal at a rate of 1 +/- 1/4 inch per minute (25 +/- 6 mm per minute) (MIL-STD-1344A METHOD 2012.1)	2.0 lbf Maximum	

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PRODUCT SPECIFICATION FOR .084/(2.13) DIAMETER SERIES CONNECTOR HOUSINGS AND TERMINALS

(HOT TIN PLATED TERMINALS ONLY)

5.2 Mechanical performance (continued):

ITEM	TEST CONDITION	REQUIREMENT
Plug latch strength	Mate connectors and pull apart until both latches break, record the maximum force.	Minimum 35.0 lbf
Panel retention for cap	Insert cap housing into panel cut out per the sales drawing requirements, push cap opposite the way it was assembled until the locking barbs break, record the maximum force.	Minimum 75.0 lbf

5.3 Environmental Performance

ITEM	TEST CONDITION	REQUIREMENT
Thermal Shock	Mate connectors exposed for 25 cycles of: Temperature Duration -55 +0/-3 C 30 minutes 85 +3/0 C 30 minutes (MIL-STD-1344A METHOD 1003.1) (TEST CONDITION A-1)	Appearance: No Damage Contact Resistance: 3.75 milliohm Maximum Dielectric strength: 5000 Vac for 1 minute
Humidity-temperature cycling	Mate connectors and expose to Temperature -humidity cycling between 25 c and 65 c at 95% RH, -10 c with humidity not controlled (MIL-STD-1344A METHOD 1002.1) (TYPE II)	Appearance: No Damage Contact Resistance: 6.00 milliohm Maximum Dielectric Strength: 5000 VAC for 1 minute Insulation Resistance: 100 Megohms Minimum
Salt spray	Expose unmated connector assemblies to a salt spray concentration of 5% at 35 C for 48 hours. (MIL-STD-1344A METHOD 1001.1)	7.00 milliohm Maximum Dielectric Strength: 5000 VAC for 1 minute

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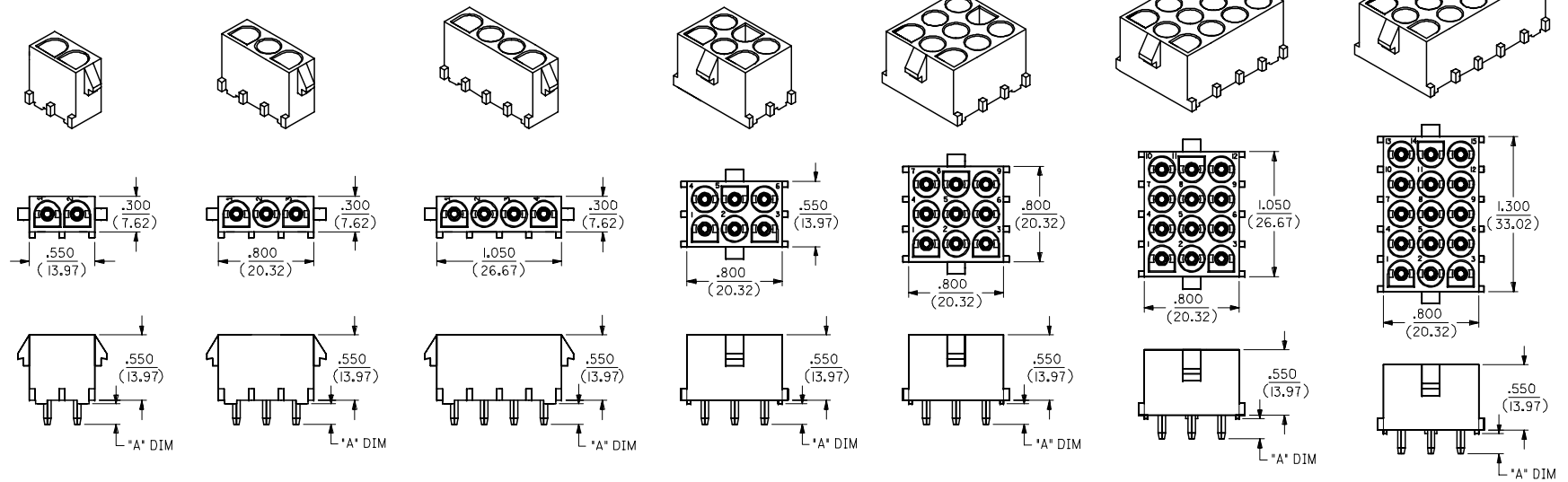
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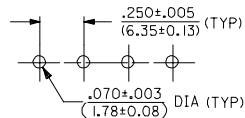
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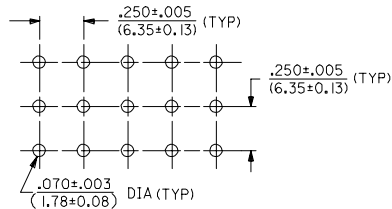
SEE CHARTS FOR "A" DIMENSION

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



NOTES:

1) MATERIAL CODES:

"A"= NYLON 6/6, 94V-2, NATURAL
 "B"= POLYESTER, 94V-0, BRICK RED
 "C"= POLYESTER, 94V-0, WHITE/NATURAL

2) PLATING CODES:

A = TIN 140m.I (3.50 MICRONS) TO 240m.I (6.00 MICRONS).

"B" = 30 m.I./(.076 MICRONS) MINIMUM SELECT GOLD, AND
 100 m.I./(.254 MICRONS) MINIMUM SELECT TIN
 50 m.I./(.127 MICRONS) MINIMUM NICKEL OVERALL.

3) TERMINAL LENGTH CODES:

1= TERMINAL FOR .062/(1.57) THICK PC BOARD
 2= TERMINAL FOR .125/(3.18) THICK PC BOARD

4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.

5) HEADER ASSEMBLY HOUSINGS MATE WITH :

- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-**)

6) CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

LEGEND:

A-42002-*** **
 BASE NUMBER
 CIRCUIT SIZE
 MATERIAL CODE (SEE NOTE 1)
 PIN (1) OR SOCKET (2) TERMINALS
 TERMINAL PLATING CODE (SEE NOTE 2)
 TERMINAL LENGTH CODE (SEE NOTE 3)

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: 12005-0180		2006/01/20		mm		IN/MM		---		INCH		☉ □ THIRD ANGLE PROJECTION	
DRAWN: SSUDHIR		2006/01/20		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE		HEADER HOUSING ASSEMBLY			
CHKD: GJLOWE		2006/01/20		3 PLACES ± --- ± ---		CHECKED BY DATE				.084/(2.13) DIA. SERIES			
APPR: KPRASAD		2006/01/23		2 PLACES ± --- ± ---		GJLOWE 2004/06/08							
				1 PLACE ± --- ± ---		APPROVED BY DATE							
				ANGULAR ± --- °		GJLOWE 2004/06/08		MOLEX		MOLEX INCORPORATED			
						MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
				DRAFT WHERE APPLICABLE		SEE CHART		SDA-42002-*****				1 OF 5	
				MUST REMAIN		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX					
				WITHIN DIMENSIONS		A2		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

		19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
		PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	*A* DIM ±.015												
M		10-84-4020	A-42002-2A1A1	2	A	1	A	1	.17/(4,3)												
		10-84-4021	A-42002-2B1A1		B	1	A	1													
		10-84-5020	A-42002-2C1A1		C	1	A	1													
L		10-84-4022	A-42002-2A2A1		A	2	A	1													
		10-84-4023	A-42002-2B2A1		B	2	A	1													
		10-84-5021	A-42002-2C2A1		C	2	A	1	.23/(5,8)												
		PRELIMINARY	A-42002-2A1A2		A	1	A	2													
		PRELIMINARY	A-42002-2B1A2		B	1	A	2													
		PRELIMINARY	A-42002-2C1A2		C	1	A	2													
K		10-84-4030	A-42002-3A1A1		3	A	1	A	1	.17/(4,3)											
		10-84-4031	A-42002-3B1A1			B	1	A	1												
		10-84-5030	A-42002-3C1A1			C	1	A	1												
		10-84-4032	A-42002-3A2A1	A		2	A	1													
		10-84-4033	A-42002-3B2A1	B		2	A	1													
		10-84-5031	A-42002-3C2A1	C		2	A	1	.23/(5,8)												
J		PRELIMINARY	A-42002-3A1A2	A		1	A	2													
		PRELIMINARY	A-42002-3B1A2	B		1	A	2													
		PRELIMINARY	A-42002-3C1A2	C		1	A	2													
		PRELIMINARY	A-42002-3A2A2	A		2	A	2													
		PRELIMINARY	A-42002-3B2A2	B		2	A	2													
		PRELIMINARY	A-42002-3C2A2	C		2	A	2	.17/(4,3)												
I		10-84-4040	A-42002-4A1A1	4	A	1	A	1	.17/(4,3)												
		10-84-4041	A-42002-4B1A1		B	1	A	1													
		10-84-5040	A-42002-4C1A1		C	1	A	1													
		10-84-4042	A-42002-4A2A1		A	2	A	1													
		10-84-4043	A-42002-4B2A1		B	2	A	1													
		10-84-5041	A-42002-4C2A1		C	2	A	1	.23/(5,8)												
H		PRELIMINARY	A-42002-4A1A2		A	1	A	2													
		PRELIMINARY	A-42002-4B1A2		B	1	A	2													
		PRELIMINARY	A-42002-4C1A2		C	1	A	2													
		PRELIMINARY	A-42002-4A2A2		A	2	A	2													
		PRELIMINARY	A-42002-4B2A2		B	2	A	2													
		PRELIMINARY	A-42002-4C2A2		C	2	A	2	.17/(4,3)												
G		10-84-4060	A-42002-6A1A1	6	A	1	A	1	.17/(4,3)												
		10-84-4061	A-42002-6B1A1		B	1	A	1													
		10-84-5060	A-42002-6C1A1		C	1	A	1													
		10-84-4062	A-42002-6A2A1		A	2	A	1													
		10-84-4063	A-42002-6B2A1		B	2	A	1													
		10-84-5061	A-42002-6C2A1		C	2	A	1	.23/(5,8)												
F		PRELIMINARY	A-42002-6A1A2		A	1	A	2													
		PRELIMINARY	A-42002-6B1A2		B	1	A	2													
		PRELIMINARY	A-42002-6C1A2		C	1	A	2													
		PRELIMINARY	A-42002-6A2A2		A	2	A	2													
		PRELIMINARY	A-42002-6B2A2		B	2	A	2													
		PRELIMINARY	A-42002-6C2A2		C	2	A	2	.17/(4,3)												
E		10-84-4090	A-42002-9A1A1	9	A	1	A	1	.17/(4,3)												
		10-84-4091	A-42002-9B1A1		B	1	A	1													
		10-84-5090	A-42002-9C1A1		C	1	A	1													
		10-84-4092	A-42002-9A2A1		A	2	A	1													
		10-84-4093	A-42002-9B2A1		B	2	A	1													
		10-84-5091	A-42002-9C2A1		C	2	A	1	.23/(5,8)												
D		PRELIMINARY	A-42002-9A1A2		A	1	A	2													
		PRELIMINARY	A-42002-9B1A2		B	1	A	2													
		PRELIMINARY	A-42002-9C1A2		C	1	A	2													
		PRELIMINARY	A-42002-9A2A2		A	2	A	2													
		PRELIMINARY	A-42002-9B2A2		B	2	A	2													
		PRELIMINARY	A-42002-9C2A2		C	2	A	2													
C																					
B																					
A																					

LEGEND:

A-42002-* * * * *

BASE NUMBER

CIRCUIT SIZE

MATERIAL CODE (SEE NOTE 1)

PIN (1) OR SOCKET (2) TERMINALS

TERMINAL PLATING CODE (SEE NOTE 2)

TERMINAL LENGTH CODE (SEE NOTE 3)

EC NO: 12005-0180 DRAWN:SSUDHIR 2006/01/20 CHKD:SSUDHIR 2006/01/20 APPR:KPRASAD 2006/01/23	QUALITY SYMBOLS ▽=0 ▽▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES	± --- ± ---	DRAWN BY SSUDHIR	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLIES .084/(12.13) DIA. SERIES		
		3 PLACES	± --- ± ---	CHECKED BY	DATE			
		2 PLACES	± --- ± ---	APPROVED BY	DATE			
1 PLACE		± --- ± ---	GJLOWE	2004/06/08	MATERIAL NO. SDA-42002-*****		SHEET NO. 2 OF 5	
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				

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
	PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	'A' DIM ±.015													
M	10-84-4 I20	A-42002-12A1A1	12	A	1	A	1	.17/(4,3)													M
	10-84-4 I21	A-42002-12B1A1		B	1	A	1														
	10-84-5 I20	A-42002-12C1A1		C	1	A	1														
	10-84-4 I22	A-42002-12A2A1		A	2	A	1														
	10-84-4 I23	A-42002-12B2A1		B	2	A	1														
	10-84-5 I21	A-42002-12C2A1		C	2	A	1														
L	PRELIMINARY	A-42002-12A1A2		A	1	A	2	.23/(5,8)													L
	PRELIMINARY	A-42002-12B1A2		B	1	A	2														
	PRELIMINARY	A-42002-12C1A2		C	1	A	2														
	PRELIMINARY	A-42002-12A2A2		A	2	A	2														
	PRELIMINARY	A-42002-12B2A2		B	2	A	2														
	PRELIMINARY	A-42002-12C2A2		C	2	A	2														
K	10-84-4 I50	A-42002-15A1A1	15	A	1	A	1	.17/(4,3)													K
	10-84-4 I51	A-42002-15B1A1		B	1	A	1														
	10-84-5 I50	A-42002-15C1A1		C	1	A	1														
	10-84-4 I52	A-42002-15A2A1		A	2	A	1														
	10-84-4 I53	A-42002-15B2A1		B	2	A	1														
	10-84-5 I51	A-42002-15C2A1		C	2	A	1														
	PRELIMINARY	A-42002-15A1A2		A	1	A	2	.23/(5,8)													
	PRELIMINARY	A-42002-15B1A2		B	1	A	2														
	PRELIMINARY	A-42002-15C1A2		C	1	A	2														
J	PRELIMINARY	A-42002-15A2A2		A	2	A	2														J
	PRELIMINARY	A-42002-15B2A2		B	2	A	2														
	PRELIMINARY	A-42002-15C2A2		C	2	A	2														
I																					I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

LEGEND:

A-42002-*****

BASE NUMBER

CIRCUIT SIZE

MATERIAL CODE (SEE NOTE 1)

PIN (1) OR SOCKET (2) TERMINALS

TERMINAL PLATING CODE (SEE NOTE 2)

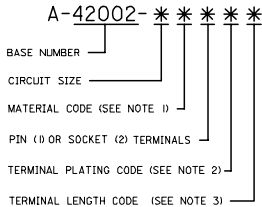
TERMINAL LENGTH CODE (SEE NOTE 3)

EC NO: D2005-0180 DRAWN BY: SSUDHIR CHKD BY: SSUDHIR APPROVED BY: GJLOWE DATE: 2006/01/20 DATE: 2006/01/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± ± ± ±	INCH ± ± ± ±	DRAWN BY SSUDHIR	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLES .084/(2.13) DIA. SERIES			
		3 PLACES ± ± ± ±	INCH ± ± ± ±	CHECKED BY GJLOWE	DATE 2004/06/08	MATERIAL NO. SDA-42002-*****			
		2 PLACES ± ± ± ±	INCH ± ± ± ±	APPROVED BY GJLOWE	DATE 2004/06/08	DOCUMENT NO. SDA-42002-*****			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3 OF 3			

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
	PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	*A* DIM ±.015														
M	10-84-4024	A-42002-2A IB1	2	A	1	B	1	.17/(4,3)													M	
	10-84-4025	A-42002-2B IB1		B	1	B	1															
	10-84-5022	A-42002-2C IB1		C	1	B	1															
	10-84-4026	A-42002-2A2B1		A	2	B	1															
	10-84-4027	A-42002-2B2B1		B	2	B	1															
	10-84-5023	A-42002-2C2B1		C	2	B	1															
L	PRELIMINARY	A-42002-2A IB2		A	1	B	2	.23/(5,8)														L
	PRELIMINARY	A-42002-2B IB2		B	1	B	2															
	PRELIMINARY	A-42002-2C IB2		C	1	B	2															
	PRELIMINARY	A-42002-2A2B2		A	2	B	2															
	PRELIMINARY	A-42002-2B2B2		B	2	B	2															
	PRELIMINARY	A-42002-2C2B2		C	2	B	2															
K	10-84-4034	A-42002-3A IB1	3	A	1	B	1	.17/(4,3)													K	
	10-84-4035	A-42002-3B IB1		B	1	B	1															
	10-84-5032	A-42002-3C IB1		C	1	B	1															
	10-84-4036	A-42002-3A2B1		A	2	B	1															
	10-84-4037	A-42002-3B2B1		B	2	B	1															
	10-84-5033	A-42002-3C2B1		C	2	B	1															
	PRELIMINARY	A-42002-3A IB2		A	1	B	2	.23/(5,8)														
	PRELIMINARY	A-42002-3B IB2		B	1	B	2															
	PRELIMINARY	A-42002-3C IB2		C	1	B	2															
J	PRELIMINARY	A-42002-3A2B2		A	2	B	2															J
	PRELIMINARY	A-42002-3B2B2		B	2	B	2															
	PRELIMINARY	A-42002-3C2B2		C	2	B	2															
	10-84-4044	A-42002-4A IB1	4	A	1	B	1	.17/(4,3)													I	
	10-84-4045	A-42002-4B IB1		B	1	B	1															
	10-84-5042	A-42002-4C IB1		C	1	B	1															
	10-84-4046	A-42002-4A2B1		A	2	B	1															
	10-84-4047	A-42002-4B2B1		B	2	B	1															
	10-84-5043	A-42002-4C2B1		C	2	B	1															
	PRELIMINARY	A-42002-4A IB2		A	1	B	2	.23/(5,8)														
	PRELIMINARY	A-42002-4B IB2		B	1	B	2															
	PRELIMINARY	A-42002-4C IB2		C	1	B	2															
	PRELIMINARY	A-42002-4A2B2		A	2	B	2															
	PRELIMINARY	A-42002-4B2B2		B	2	B	2															
	PRELIMINARY	A-42002-4C2B2		C	2	B	2															
	10-84-4064	A-42002-6A IB1	6	A	1	B	1	.17/(4,3)													H	
	10-84-4065	A-42002-6B IB1		B	1	B	1															
	10-84-5062	A-42002-6C IB1		C	1	B	1															
	10-84-4066	A-42002-6A2B1		A	2	B	1															
	10-84-4067	A-42002-6B2B1		B	2	B	1															
	10-84-5063	A-42002-6C2B1		C	2	B	1															
G	PRELIMINARY	A-42002-6A IB2		A	1	B	2	.23/(5,8)														G
	PRELIMINARY	A-42002-6B IB2		B	1	B	2															
	PRELIMINARY	A-42002-6C IB2		C	1	B	2															
	PRELIMINARY	A-42002-6A2B2		A	2	B	2															
	PRELIMINARY	A-42002-6B2B2		B	2	B	2															
	PRELIMINARY	A-42002-6C2B2		C	2	B	2															
	10-84-4094	A-42002-9A IB1	9	A	1	B	1	.17/(4,3)													F	
F	10-84-4095	A-42002-9B IB1		B	1	B	1															
	10-84-5092	A-42002-9C IB1		C	1	B	1															
	10-84-4096	A-42002-9A2B1		A	2	B	1															
	10-84-4097	A-42002-9B2B1		B	2	B	1															
	10-84-5093	A-42002-9C2B1		C	2	B	1															
	PRELIMINARY	A-42002-9A IB2		A	1	B	2	.23/(5,8)														
	PRELIMINARY	A-42002-9B IB2		B	1	B	2															
	PRELIMINARY	A-42002-9C IB2		C	1	B	2															
E	PRELIMINARY	A-42002-9A2B2		A	2	B	2															E
	PRELIMINARY	A-42002-9B2B2		B	2	B	2															
	PRELIMINARY	A-42002-9C2B2		C	2	B	2															

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
	PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	*A* DIM *.015													
M	IO-84-4124	A-42002-12A1B1	12	A	1	B	1	.17/(4,3)													M
	IO-84-4125	A-42002-12B1B1		B	1	B	1														
	IO-84-5122	A-42002-12C1B1		C	1	B	1														
	IO-84-4126	A-42002-12A2B1		A	2	B	1														
	IO-84-4127	A-42002-12B2B1		B	2	B	1														
	IO-84-5123	A-42002-12C2B1		C	2	B	1														
L	PRELIMINARY	A-42002-12A1B2		A	1	B	2	.23/(5,8)													L
	PRELIMINARY	A-42002-12B1B2		B	1	B	2														
	PRELIMINARY	A-42002-12C1B2		C	1	B	2														
	PRELIMINARY	A-42002-12A2B2		A	2	B	2														
	PRELIMINARY	A-42002-12B2B2		B	2	B	2														
	PRELIMINARY	A-42002-12C2B2		C	2	B	2														
K	IO-84-4154	A-42002-15A1B1	15	A	1	B	1	.17/(4,3)													K
	IO-84-4155	A-42002-15B1B1		B	1	B	1														
	IO-84-5152	A-42002-15C1B1		C	1	B	1														
	IO-84-4156	A-42002-15A2B1		A	2	B	1														
	IO-84-4157	A-42002-15B2B1		B	2	B	1														
	IO-84-5153	A-42002-15C2B1		C	2	B	1														
	PRELIMINARY	A-42002-15A1B2		A	1	B	2	.23/(5,8)													
	PRELIMINARY	A-42002-15B1B2		B	1	B	2														
	PRELIMINARY	A-42002-15C1B2		C	1	B	2														
J	PRELIMINARY	A-42002-15A2B2		A	2	B	2														J
	PRELIMINARY	A-42002-15B2B2		B	2	B	2														
	PRELIMINARY	A-42002-15C2B2		C	2	B	2														
I																					I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

LEGEND:



EC NO: D2005-0180 DRAWN BY: SSUDHIR CHKD BY: SSUDHIR APPROVED BY: GJLOWE	REV D	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY SSUDHIR	DATE 2004/06/08	TITLE ASSEMBLY, PIN AND SOCKET HEADERS .084/(2.13) DIA. SERIES		DOCUMENT NO. SDA-42002-*****	
				4 PLACES	±	±	CHECKED BY GJLOWE	DATE 2004/06/08				
				3 PLACES	±	±	APPROVED BY GJLOWE	DATE 2004/06/08				
				2 PLACES	±	±	MATERIAL NO.		SHEET NO.			
				1 PLACE	±	±					5 OF 5	
								ANGULAR ±1/2°		MOLEX MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		SDA-42002-*****						
				SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						