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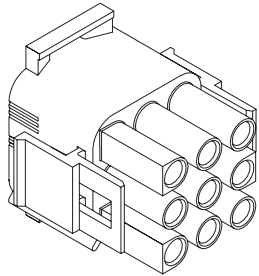
JAMECO[®]
ELECTRONICS

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Jameco Part Number 1961410

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

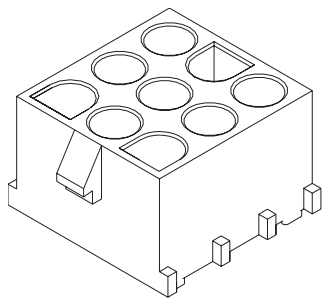
Contact Retention to Housing: 66.88N (15 lb)

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			94V-2	Yes
	10-84-5020	10-84-5021	10-84-4021	10-84-4023	94V-0	
3	10-84-4030	10-84-4032			94V-2	
	10-84-5030	10-84-5031	10-84-4031	10-84-4033	94V-0	
4	10-84-4040	10-84-4042			94V-2	
	10-84-5040	10-84-5041	10-84-4041	10-84-4043	94V-0	
6	10-84-4060	10-84-4062			94V-2	
	10-84-5060	10-84-5061	10-84-4061	10-84-4063	94V-0	
9	10-84-4090	10-84-4092			94V-2	
	10-84-5090	10-84-5091	10-84-4091	10-84-4093	94V-0	
12	10-84-4120	10-84-4122			94V-2	
	10-84-5120	10-84-5121	10-84-4121	10-84-4123	94V-0	
15	10-84-4150	10-84-4152			94V-2	
	10-84-5150	10-84-5151	10-84-4151	10-84-4153	94V-0	



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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PS-42022-0001

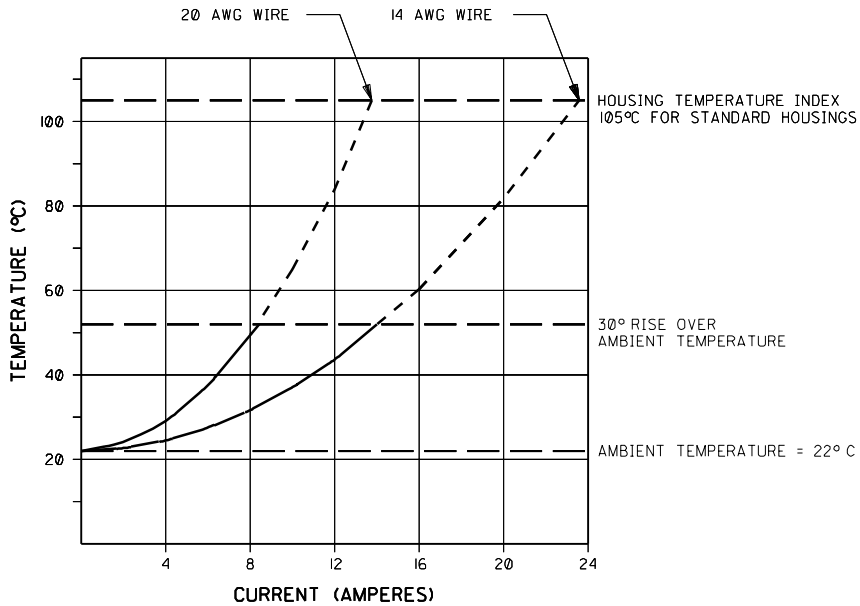
REV.	B	B	B	B	B	B
SHT.	1	2	3	4	5	6

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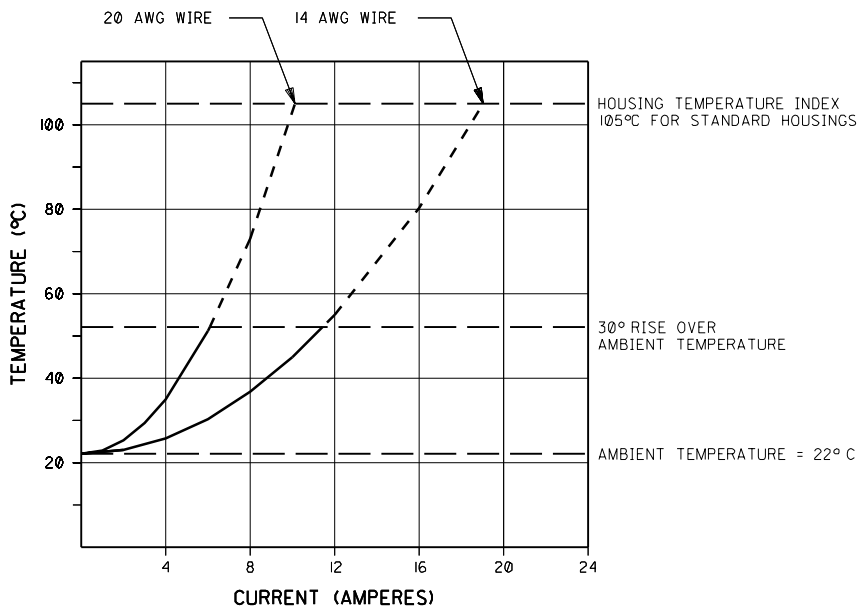


PRODUCT SPECIFICATION
FOR .084/(2.13) DIAMETER SERIES
CONNECTOR HOUSINGS AND TERMINALS

(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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PS-420222-0001

DRWG. NO.
PS-420222-0001

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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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PS-42022-0001

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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	Pullout Force
		14	50 lbf
		16	45 lbf
		18	30 lbf
		20	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

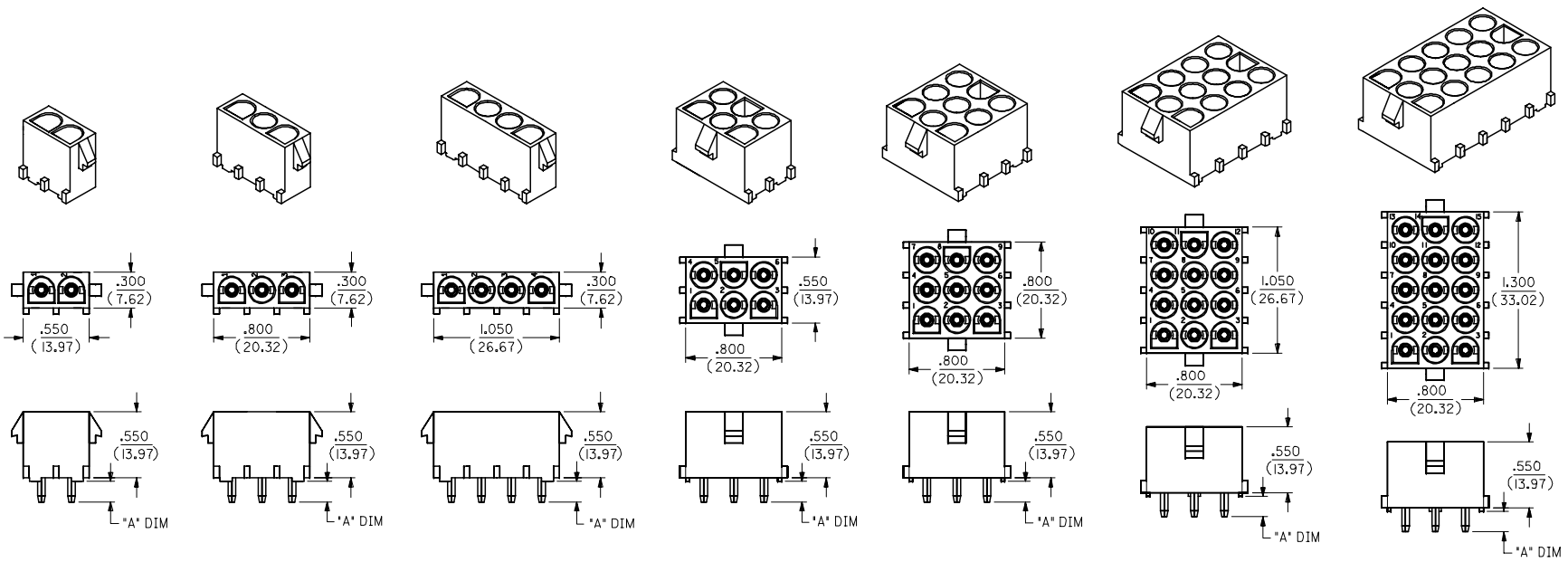
5.3 Environmental Performance

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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PS-42022-0001

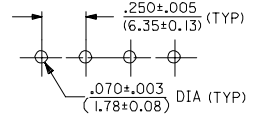
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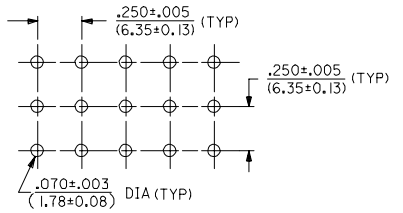
SEE CHARTS FOR "A" DIMENSION

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



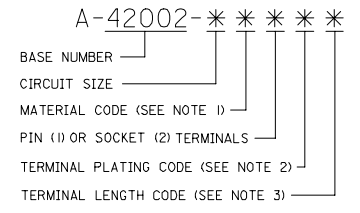
6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



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:



ENTER DESCRIPTION EC NO: 12005-0180 DRWING: SSUDHIR 2006/01/20 CHKD: GJLOWE 2006/01/20 APPR: KPRASAD 2006/01/23 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0002</td> </tr> <tr> <td>3 PLACES</td> <td>±.004</td> <td>±.00015</td> </tr> <tr> <td>2 PLACES</td> <td>±.003</td> <td>±.0001</td> </tr> <tr> <td>1 PLACE</td> <td>±.002</td> <td>±.00005</td> </tr> </table>		mm	INCH	4 PLACES	±.005	±.0002	3 PLACES	±.004	±.00015	2 PLACES	±.003	±.0001	1 PLACE	±.002	±.00005	DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH																	
	4 PLACES	±.005	±.0002																		
	3 PLACES	±.004	±.00015																		
2 PLACES	±.003	±.0001																			
1 PLACE	±.002	±.00005																			
▽=0 ▽=0	DRAWN BY SSUDHIR 2004/06/08	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLY .084/(2.13) DIA. SERIES																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY GJLOWE 2004/06/08	DATE 2004/06/08	APPROVED BY GJLOWE 2004/06/08	MOLEX INCORPORATED																	
MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-42002-*****	SHEET NO. 1 OF 5	SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

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
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	
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	
PRELIMINARY	A-42002-2A1A2		A	1	A	2	.23/(5,8)
PRELIMINARY	A-42002-2B1A2		B	1	A	2	
PRELIMINARY	A-42002-2C1A2		C	1	A	2	
PRELIMINARY	A-42002-2A2A2	A	2	A	2		
PRELIMINARY	A-42002-2B2A2	B	2	A	2		
PRELIMINARY	A-42002-2C2A2	C	2	A	2		
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	
PRELIMINARY	A-42002-3A1A2		A	1	A	2	.23/(5,8)
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		
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	
PRELIMINARY	A-42002-4A1A2		A	1	A	2	.23/(5,8)
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		
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	
PRELIMINARY	A-42002-6A1A2		A	1	A	2	.23/(5,8)
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		
10-84-4090	A-42002-9A1A1	9	A	1	A	1	.17/(4,3)
10-84-4091	A-42002-9B1A1		B	1	A	1	
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PRELIMINARY	A-42002-9A1A2		A	1	A	2	.23/(5,8)
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		

LEGEND:

A-42002-*** ** ** *

BASE NUMBER

CIRCUIT SIZE

MATERIAL CODE (SEE NOTE 1)

PIN (1) OR SOCKET (2) TERMINALS

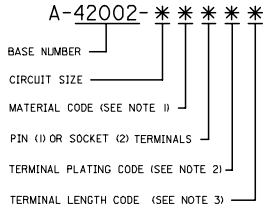
TERMINAL PLATING CODE (SEE NOTE 2)

TERMINAL LENGTH CODE (SEE NOTE 3)

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

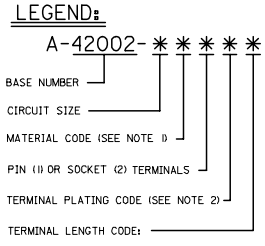
PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	*A* DIM ±.015
IO-84-4I20	A-42002-12A1A1	12	A	1	A	1	.17/(4,3)
IO-84-4I21	A-42002-12B1A1		B	1	A	1	
IO-84-5I20	A-42002-12C1A1		C	1	A	1	
IO-84-4I22	A-42002-12A2A1		A	2	A	1	
IO-84-4I23	A-42002-12B2A1		B	2	A	1	
IO-84-5I21	A-42002-12C2A1		C	2	A	1	
PRELIMINARY	A-42002-12A1A2		A	1	A	2	.23/(5,8)
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	
IO-84-4I50	A-42002-15A1A1	15	A	1	A	1	.17/(4,3)
IO-84-4I51	A-42002-15B1A1		B	1	A	1	
IO-84-5I50	A-42002-15C1A1		C	1	A	1	
IO-84-4I52	A-42002-15A2A1		A	2	A	1	
IO-84-4I53	A-42002-15B2A1		B	2	A	1	
IO-84-5I51	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	
PRELIMINARY	A-42002-15A2A2		A	2	A	2	
PRELIMINARY	A-42002-15B2A2		B	2	A	2	
PRELIMINARY	A-42002-15C2A2		C	2	A	2	

LEGEND:



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

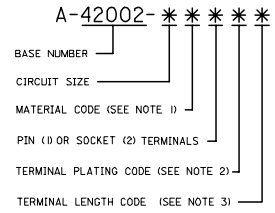
PART NO.	ENG. NO.	CIRCUIT SIZE	HOUSING MATERIAL (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	"A" DIM ±.015
IO-84-4024	A-42002-2A1B1	2	A	1	B	1	.17/(4,3)
IO-84-4025	A-42002-2B1B1		B	1	B	1	
IO-84-5022	A-42002-2C1B1		C	1	B	1	
IO-84-4026	A-42002-2A2B1		A	2	B	1	
IO-84-4027	A-42002-2B2B1		B	2	B	1	
IO-84-5023	A-42002-2C2B1		C	2	B	1	
PRELIMINARY	A-42002-2A1B2		A	1	B	2	.23/(5,8)
PRELIMINARY	A-42002-2B1B2		B	1	B	2	
PRELIMINARY	A-42002-2C1B2		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		
IO-84-4034	A-42002-3A1B1	3	A	1	B	1	.17/(4,3)
IO-84-4035	A-42002-3B1B1		B	1	B	1	
IO-84-5032	A-42002-3C1B1		C	1	B	1	
IO-84-4036	A-42002-3A2B1		A	2	B	1	
IO-84-4037	A-42002-3B2B1		B	2	B	1	
IO-84-5033	A-42002-3C2B1		C	2	B	1	
PRELIMINARY	A-42002-3A1B2		A	1	B	2	.23/(5,8)
PRELIMINARY	A-42002-3B1B2		B	1	B	2	
PRELIMINARY	A-42002-3C1B2		C	1	B	2	
PRELIMINARY	A-42002-3A2B2		A	2	B	2	
PRELIMINARY	A-42002-3B2B2	B	2	B	2		
PRELIMINARY	A-42002-3C2B2	C	2	B	2		
IO-84-4044	A-42002-4A1B1	4	A	1	B	1	.17/(4,3)
IO-84-4045	A-42002-4B1B1		B	1	B	1	
IO-84-5042	A-42002-4C1B1		C	1	B	1	
IO-84-4046	A-42002-4A2B1		A	2	B	1	
IO-84-4047	A-42002-4B2B1		B	2	B	1	
IO-84-5043	A-42002-4C2B1		C	2	B	1	
PRELIMINARY	A-42002-4A1B2		A	1	B	2	.23/(5,8)
PRELIMINARY	A-42002-4B1B2		B	1	B	2	
PRELIMINARY	A-42002-4C1B2		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		
IO-84-4064	A-42002-6A1B1	6	A	1	B	1	.17/(4,3)
IO-84-4065	A-42002-6B1B1		B	1	B	1	
IO-84-5062	A-42002-6C1B1		C	1	B	1	
IO-84-4066	A-42002-6A2B1		A	2	B	1	
IO-84-4067	A-42002-6B2B1		B	2	B	1	
IO-84-5063	A-42002-6C2B1		C	2	B	1	
PRELIMINARY	A-42002-6A1B2		A	1	B	2	.23/(5,8)
PRELIMINARY	A-42002-6B1B2		B	1	B	2	
PRELIMINARY	A-42002-6C1B2		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		
IO-84-4094	A-42002-9A1B1	9	A	1	B	1	.17/(4,3)
IO-84-4095	A-42002-9B1B1		B	1	B	1	
IO-84-5092	A-42002-9C1B1		C	1	B	1	
IO-84-4096	A-42002-9A2B1		A	2	B	1	
IO-84-4097	A-42002-9B2B1		B	2	B	1	
IO-84-5093	A-42002-9C2B1		C	2	B	1	
PRELIMINARY	A-42002-9A1B2		A	1	B	2	.23/(5,8)
PRELIMINARY	A-42002-9B1B2		B	1	B	2	
PRELIMINARY	A-42002-9C1B2		C	1	B	2	
PRELIMINARY	A-42002-9A2B2		A	2	B	2	
PRELIMINARY	A-42002-9B2B2	B	2	B	2		
PRELIMINARY	A-42002-9C2B2	C	2	B	2		



EC NO. 12005-0180 DRAWN BY: SSUDHIR 2006/01/20 CHECKED BY: CHIKKOSUDHIR 2006/01/20 APPROVED BY: (APPROPRIATE)	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) .mm INCH		DIMENSION STYLE IN/MM		SCALE: 1:1	DESIGN UNITS: INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY: SSUDHIR 2004/06/08 CHECKED BY: GJLOWE 2004/06/08 APPROVED BY: GJLOWE 2004/06/08	TITLE: ASSEMBLY, PIN AND SOCKET HEADERS .084/(2.13) DIA. SERIES			MATERIAL NO. SDA-42002-***** DOCUMENT NO.	SHEET NO. 4 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												
IO-84-4124	A-42002-12A1B1	12	A	1	B	1	.17/(4,3)												
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													
PRELIMINARY	A-42002-12A1B2		A	1	B	2	.23/(5,8)												
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														
IO-84-4154	A-42002-15A1B1	15	A	1	B	1	.17/(4,3)												
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													
PRELIMINARY	A-42002-15A2B2	A	2	B	2														
PRELIMINARY	A-42002-15B2B2	B	2	B	2														
PRELIMINARY	A-42002-15C2B2	C	2	B	2														

LEGEND:



EC NO. 12005-0180 DRAWNSUDHIR 2006/01/20 CHECKSUDHIR 2006/01/20 APPROVEDSUDHIR 2006/01/20	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	IN/MM	1:1	INCH	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A 1	4 PLACES ±	±	DRAWN BY	DATE	TITLE	
		3 PLACES ±	±	SSUDHIR	2004/06/08	ASSEMBLY, PIN AND SOCKET HEADERS	
		2 PLACES ±	±	CHECKED BY	DATE	.084/(2.13) DIA. SERIES	
		1 PLACE ±	±	GJLOWE	2004/06/08	MOLEX INCORPORATED	
ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		SEE CHART		SDA-42002-*****		5 OF 5	
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