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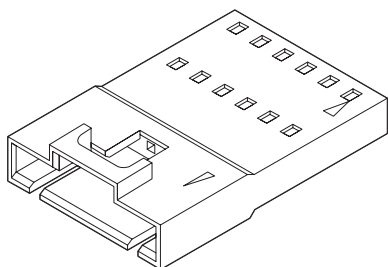
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Jameco Part Number 1976081

2.54mm (.100") Pitch SL™ Wire-to-Wire Connector

70107 Single Row, Version A Without Mounting Ears



Not For Use With C-Grid III™ Components

Circuits	Order No.
2	70107-0001
3	70107-0002
4	70107-0003
5	70107-0004
6	70107-0005
7	70107-0006
8	70107-0007
9	70107-0008

Features and Benefits

- Sizes 2 to 25 circuits
- Used primarily for remote interconnections
- Locking crown secures positive latch to connector
- Polarization slots guide front ribs of mating connector to prevent pin damage

Reference Information

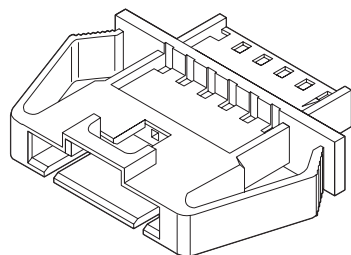
Product Specification: PS-70021
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 70066G, 70066N, 70400G and 70430G connector assemblies
 Use With: 70021 crimp terminals
 Designed In: Inches

Physical

Housing: Black polyester, UL 94V-0
 Operating Temperature: -40 to +105°C

2.54mm (.100") Pitch SL™ Wire-to-Wire Panel Mount Connector

70107 Single Row, Version B With Mounting Ears



Not For Use With C-Grid III™ Components

Circuits	Order No.
2	70107-0036
3	70107-0037
4	70107-0038
5	70107-0039
6	70107-0040
7	70107-0041
8	70107-0042
9	70107-0043

Features and Benefits

- Sizes 2 to 25 circuits
- Used primarily for remote interconnections
- Locking crown secures positive latch to connector
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mounting ears for insertion into .030 to .090" thick panels

Reference Information

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 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
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 Use With: 70021 crimp terminals
 Designed In: Inches

Physical

Housing: Black polyester, UL 94V-0
 Operating Temperature: -40 to +105°C

Circuits	Order No.
10	70107-0009
11	70107-0010
12	70107-0011
13	70107-0012
14	70107-0013
15	70107-0014
16	70107-0015
17	70107-0016

Circuits	Order No.
18	70107-0017
19	70107-0018
20	70107-0019
21	70107-0020
22	70107-0021
23	70107-0022
24	70107-0023
25	70107-0024



PRODUCT SPECIFICATION



LANGUAGE

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REV			TITLE				PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR-(SL) CONNECTOR SYSTEM	
REVISE ON PC ONLY			THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
J	ADD CONNECTOR RETENTION CALLOUT UCP2005- MIBARRA 05/05/02							
REV	DESCRIPTION		WRITTEN BY:	CHECKED BY:	APPROVED BY:	DATE: YR / MO / DAY		
	DESIGN CONTROL	STATUS	FOX	STILES	BRINKMAN	99/11/16		
	UCP					FILE NAME	SHT NO.	
DOCUMENT NO. PS – 70400						PS-70400.LWP	1 OF 13	
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PRODUCT SPECIFICATION



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1.0 SCOPE

This specification is intended to define the mechanical, electrical and environmental requirements for the SL .100" (2.54) pitch modular, single row wire-to-board and wire-to-wire system.

SL is designed for high density signal applications. The system includes: low profile latching vertical and right angle headers; low profile housings for male and female crimp terminals; pre-assembled, single piece pin and receptacle connectors for Insulation Displacement Technology (IDT); panel mounts for modular wire-to-wire remote interconnections; and SL offers design flexibility and automated harness-making capabilities when combined with our tooling.

2.0 PRODUCT DESCRIPTION:

2.1 The following Series are covered by this product specification:

- 70021, male, crimp terminal
- 70058, female box, crimp terminal
- 71851, female box, high force crimp terminal
- 70066 & 70107, single row, crimp housing
- 70450 & 74130, dual row, crimp housing
- 70400, female, single row, insulation displacement, connector assembly
- 70475 & 71178 ,male, single row, insulation displacement, connector assembly
- 70543, single row, .120" pocket, wire-to-board, shrouded header, vertical
- 70541, single row,.120" pocket, wire-to-board, shrouded header, vertical, split peg
- 70545, single row,.120" pocket, wire-to-board, shrouded header, vertical, tri-peg
- 70553, single row,.120" pocket, wire-to-board, shrouded header, right angle
- 70555, single row,.120" pocket, wire-to-board, shrouded header, right angle, tri-peg
- 70563, single row, .180" pocket, wire-to-board, shrouded header, vertical
- 70565, single row,.180" pocket, wire-to-board, shrouded header, vertical, tri-peg
- 70573, single row,.180" pocket, wire-to-board, shrouded header, right angle
- 70575, single row,.180" pocket, wire-to-board, shrouded header, right angle, tri-peg

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2.2 DIMENSIONS, MATERIALS AND SPECIFICATIONS:

2.2.1 Mating Pin Height

2.2.1.1 Maximum mating pin height: .320" (8.13 mm)

2.2.1.2 Minimum mating pin height: .200" (5.08 mm)

2.2.2 Centerline spacing (pitch): .100" (2.54 mm)

2.2.3 Wire Sizes: #22 - #28 AWG stranded wire, with an insulation diameter of .053" (1.35 mm) max.

2.2.4 Molex cable: 7307, 7767, 8996, 8997, 24226, 24241, 24369 and 24389.

2.2.5 Termination Method:

2.2.5.1 Crimp (70021, 70058)

2.2.5.2 IDT (70400, 70475)

2.2.6 Housings: (70066, 70450, 70107, 74130): Black Glass Filled Polyester, UL 94V-0

2.2.7 Terminals: (70021, 70058): Phosphor Bronze

2.2.7 Plating: Gold and Tin

2.2.7.1 Gold: 30 μ -in. min. Gold in select area over Nickel overall with 75 μ -in. Tin in select area over Nickel overall

or

Gold: 15 μ -in. min. Gold in select area over Nickel overall with 75 μ -in. Tin in select area over Nickel overall

2.2.7.2 Tin: 150 μ -in. min. Tin over Nickel overall.

See the appropriate Sales Drawing(s) for additional information on dimensions, materials, platings, and markings.

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2.3 SAFETY AGENCY APPROVALS:

UL File Number E29179
CSA File Number LR19980

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS:

All documents referenced shall be of the latest revision. The order of precedence shall be as follows.

- Product Drawings
- This product specification
- Reference documents

3.1 REFERENCE DOCUMENTS:

- EIA 364 Electronic Industries Association, Recommended Standard
- MIL-STD-202: Test methods for electronics and electrical component parts.
- UL-94: Tests for flammability of plastic material

4.0 RATINGS:

4.1 VOLTAGE:

250 V

4.2 CURRENT:

- 1.2 A - 28 AWG
- 1.8 A - 26 AWG
- 3.0 A - 24 AWG
- 3.0 A - 22 AWG

4.2 TEMPERATURE:

Operating: -40 °C to +105 °C
Processing: See chart on next page.

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5.0 PERFORMANCE:

5.1 ELECTRICAL PERFORMANCE:

Item	Test Condition	Requirement
Contact Resistance (Low Level)	Mate Connectors with a maximum voltage of 20mV and a current of 100 mA.	30 milliohm Maximum Initial
Insulation Resistance	Mate Connectors with a voltage of 500 VDC between adjacent terminals and between terminals and ground.	1000 Megohms Minimum
Dielectric Withstanding Voltage	Mate Connectors with a voltage of 1500 VAC for 1 min. between adjacent terminals and between terminals and ground.	No breakdown
Capacitance	Measure between adjacent terminals at 1 MHz. (Loaded: 50 ohms impedance)	Loaded: 2 picofarad max. Unloaded: 0.5 picofarad max.

5.2 MECHANICAL PERFORMANCE:

Item	Test Condition	Requirement
Terminal Insertion and Withdrawal Forces	Insert and withdraw a terminal (male to female) at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.	70058 - Insertion force shall be 4.45 N (1.0 lb) max. and withdrawal 0.56 N (0.125 lb) min. 71851 - Insertion force shall be 13.34 N (3.0 lb) max. and withdrawal 1.67 N (0.375 lb) min
Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.	Contact : 17.79 N (4.0 lbs.) min.
Durability	Mate connectors up to 25 cycles for tin plating and 50 cycles for gold plating at a maximum rate of 10 cycles per minute prior to defined Environmental Tests.	Contact Resistance : 10 milliohms Maximum Change from Initial

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Item	Test Condition	Requirement
Vibration Mil-Std-1344 Method 2005.1 Condition I	Amplitude: 1.50mm (.060 inch) peak to peak Sweep: 10-55-10 Hz in one minute Duration: 2 hours in each X-Y-Z axis. (Test module shall be per Section 7.0)	Contact Resistance: 10 milliohms Maximum Change from Initial Discontinuity: not greater than one microsecond
Mechanical Shock Mil-Std-1344 Method 2004.1 Condition A	50 g's with three 1/2 sine wave form shocks in each X-Y-Z axis. (Test module shall be per Section 8.2)	Contact Resistance: 10 milliohms Maximum Change from Initial Discontinuity: not greater than one microsecond
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.	Pullout force - 75% tensile strength of wire, minimum.
Wire Pullout Force (Right Angle)	Apply a right angle pullout force on the wire at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.	Pullout force - 75% tensile strength of wire, minimum. 20 Newton's and below - no plastic deformation / no electrical discontinuity Above 20 and below 60 Newton's - slight non-functional plastic deformation / no electrical discontinuity.
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.	13.34 N (3.0 lbs) maximum insertion force.
Wire Flex	Flex cable 180° for 500 cycles.	Contact resistance: 10 milliohms Maximum Change from Initial. Appearance: No Damage
Normal Force	Apply a perpendicular force at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute on the contacts in a manner simulating actual use.	0.49 N (50 grams) minimum end of life, for gold plating 0.98 N (100 grams) minimum end of life, for tin plating.
Connector Retention	Apply a perpendicular force of 45 N to the wire harness using a free hanging weight.	No deformation or Terminal separation

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5.3 ENVIRONMENTAL PERFORMANCE

Item	Test Condition	Requirement
Thermal Shock Mil-Std-202F Method 107 E	Mate connectors exposed to 10 cycles of:	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial
	<u>Temperature °C</u> <u>Duration (Min)</u>	
	-40 +0/-3 30	
	+25 +/-10 5 Max	
	+105 +3/-0 30	
	+25 +/-10 5 Max	
	-40 +0/-3 30	
Thermal Aging Mil-Std-202F Method 108	Mate connectors; expose to 240 hours at 105 ± 3° C	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial
Humidity (Steady State) Mil-Std-202F Method 103	Mate connectors; expose to a temperature of : 85 ± 2°C with a Relative Humidity of 92 ± 3% for 96 hours. Note: Remove surface moisture and air dry for 1 hour prior to measurements.	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial. Dielectric Withstanding Voltage: No Breakdown Insulation Resistance: 1000 Megohms Minimum

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Item	Test Condition	Requirement
Humidity (Cyclic) Mil-Std-202 Method 105	Mate connectors; expose for 10 cycles at 90-98% relative humidity with a transition time of 2.5 hours between extremes: <u>Temperature °C</u> <u>Duration (Min)</u> +25 ± 10 5 maximum +65 +3/-0 15 maximum Note: Remove surface moisture and air dry for one hour prior to measurements.	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial. Dielectric Withstanding Voltage: No Breakdown Insulation Resistance: 1000 Megohms Minimum
Temperature Rise and Current Cycling	Temperature Rise: Mate the connectors; and measure the temperature rise at the rated current after 96 hours. Current Cycling: Mate connectors; measure the temperature rise at the rated current after 500 hours (45 minutes ON and 15 minutes OFF per hour).	Temperature Rise: 30°C above ambient maximum Temperature Rise: 30°C above ambient maximum
Solderability Molex SMES-152	Steam age 1 hr. Solder time 5 ± 0.5 seconds. Solder temperature: 245 ± 5°C Non activated flux.	95% of the immersed area must show no voids, pin holes
Flowing Mixed Gas (FMG)	Battelle Class II, 10 ppm Cl ₂ , 10 ppm H ₂ S, 100 ppm NO ₂ , 70 ± 1% R.H., 25 deg. C. 50-60 CFM. 10 days mated and 7 days unmated exposure.	Contact Resistance: 10 milliohms Maximum change from Initial
Resistance to Solder Heats	Solder Time 3 ± 0.5 seconds Solder Temperature: 260 ± 5°C Immerse leads to a depth of 1.57mm (.062 in.) from connector body.	Appearance: No damage or discoloration of connector materials.

6.0 PACKAGING:

Parts are packaged in trays, tubes or bulk packed, refer to appropriate Sales Drawing for specific information.

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7.0 QUALITY ASSURANCE PROVISIONS:

7.1 MATERIAL INSPECTION:

Shall consist of certification supported by verifying data.

7.2 ACCEPTANCE INSPECTION:

Acceptance of ongoing production product shall be determined by inspection according to Molex approved quality plans and required PPM levels for critical characteristics.

7.3 CONFORMANCE TESTING:

Shall be performed on production quality manufactured products. Sample size shall be per 8.1.

7.4 Gages:

Terminal insertion/withdrawal testing should be performed with the gage pin detailed below.

8.0 QUALIFICATION REQUIREMENTS:

8.1 QUALIFICATION TESTING:

1. Samples for testing shall be representative of normal production lots.
2. Sample groups shall consist of a minimum (5) mated pairs of headers and receptacles. 30 minimum data points per group shall be measured. Measurements shall be taken from the middle and ends of the connectors as a minimum.

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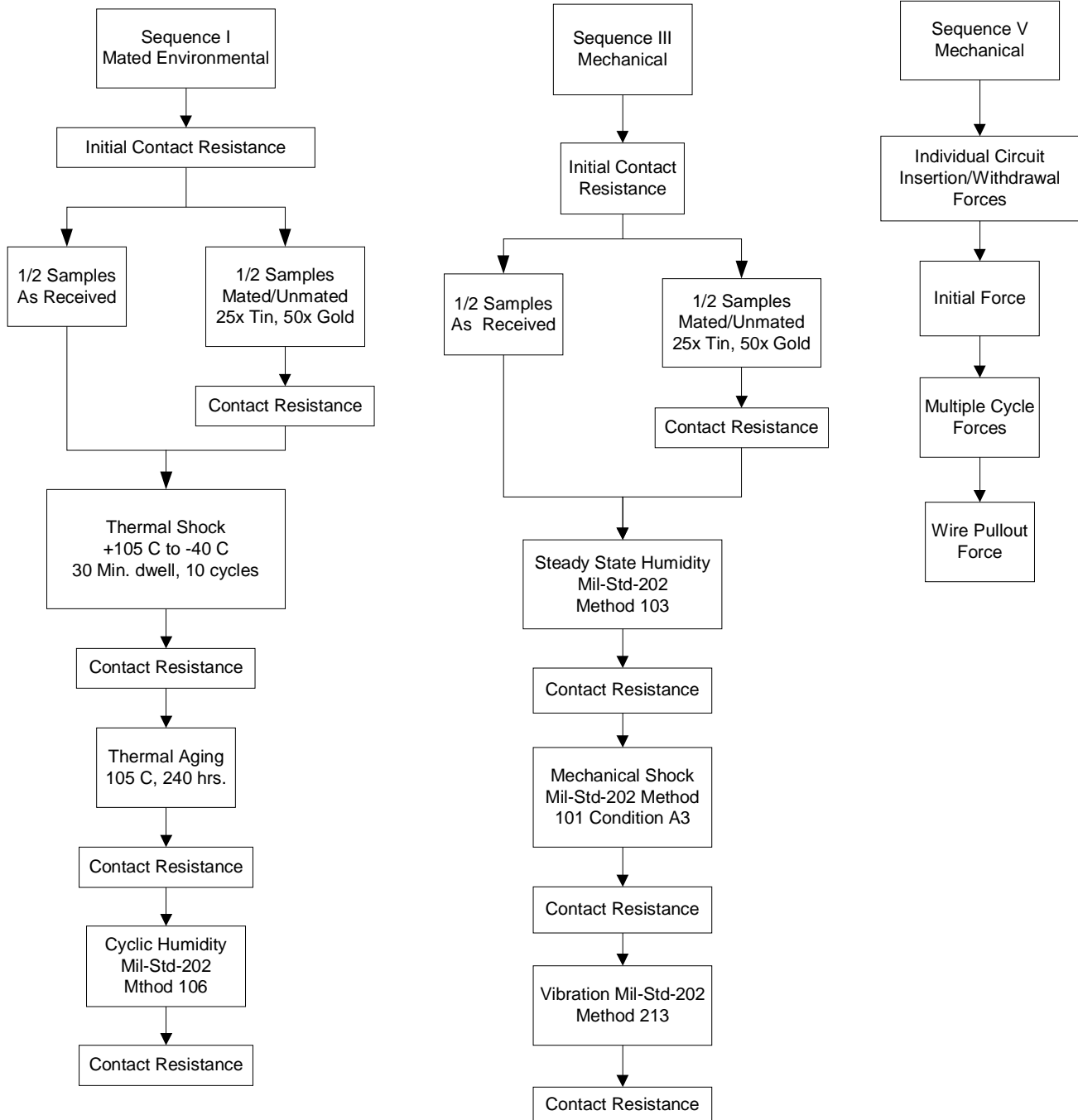


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9.0 TEST SUMMARY:

9.1 SEQUENCE I - MATED ENVIRONMENTAL:

TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MEAN	MINIMUM	MAXIMUM
Contact Resistance	Initial	30 max.	milliohms	14.47	13.77	15.08
	After Durability	10 max. Change from initial	Δ-milliohms	.09	-0.82	1.40
	After Shock (Thermal)	10 max. Change from initial	Δ-milliohms	.02	-1.15	1.32
	After Thermal Aging	10 max. Change from initial	Δ-milliohms	.00	-1.06	1.18
	After Humidity (Cyclic)	10 max. Change from initial	Δ-milliohms	.25	-1.00	1.78

9.2 SEQUENCE III - MECHANICAL:

TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MEAN	MINIMUM	MAXIMUM
Contact Resistance	Initial	30 max.	milliohms	8.6	8.0	9.4
	After Humidity (Steady State)	10 max. Change from initial	Δ-milliohms	8.6	8.0	9.6
	After Shock (Mechanical)	10 max. Change from initial	Δ-milliohms	8.7	8.1	9.9
	After Vibration	10 max. Change from initial	Δ-milliohms	8.7	8.1	9.4

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9.3 ENVIRONMENTAL PERFORMANCE:

TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MAXIMUM
Temperature Rise and Current Cycling (+30°C)	22 AWG	**** Minimum	Amps	3
	24 AWG	**** Minimum	Amps	3
	26 AWG	**** Minimum	Amps	1.8
	28 AWG	**** Minimum	Amps	1.2
	30 AWG	**** Minimum	Amps	0.70
	32 AWG	**** Minimum	Amps	0.45
	34 AWG	**** Minimum	Amps	0.32
	36 AWG	**** Minimum	Amps	0.21

9.4 SEQUENCE V - MECHANICAL:

70058 - MATING FORCE SEQUENCE 5.3						
TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Insertion Force	Initial	Tin	LB/(N)	0.73/(3.24)	0.62/(2.74)	0.82/(3.63)
		Gold	LB/(N)	0.39/(1.75)	0.28/(1.25)	0.59/(2.62)
	After 25 Cycles	Tin	LB/(N)	0.75/(3.32)	0.64/(2.83)	0.89/(3.94)
	After 50 Cycles	Gold	LB/(N)	0.44/(1.96)	0.27/(1.19)	0.55/(2.44)
Withdrawal Force	Initial	Tin	LB/(N)	0.97/4.31)	0.79/(3.52)	1.05/(4.65)
		Gold	LB/(N)	0.29/(1.28)	0.20/(0.89)	0.44/(1.97)
	After 25 Cycles	Tin	LB/(N)	0.77/(3.43)	0.68/(3.04)	0.90/(4.02)
	After 50 Cycles	Gold	LB/(N)	0.38/(1.69)	0.29/(1.29)	0.56/(2.50)

71851 - MATING FORCE SEQUENCE 5.3						
TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Insertion Force	Initial	Tin	LB/N	2.39/10.62	2.24/9.96	2.53/11.25
		Gold	LB/N	0.99/4.39	0.91/4.05	1.05/4.67
	After 25 Cycles	Tin	LB/N	2.18/9.71	1.60/7.12	2.82/12.54
	After 50 Cycles	Gold	LB/N	1.01/4.48	0.86/3.83	1.17/5.20
Withdrawal Force	Initial	Tin	LB/N	2.68/11.92	2.28/10.14	3.18/14.15
		Gold	LB/N	0.69/3.07	0.62/2.76	0.77/3.43
	After 25 Cycles	Tin	LB/N	2.70/12.02	1.79/7.96	4.23/18.82
	After 50 Cycles	Gold	LB/N	1.07/4.76	0.84/3.74	1.25/5.56

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TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Wire Pullout Force (Axial)	22 AWG with strain relief	**** Minimum	N/LB	65.3/14.67	56.2/12.63	72.4/16.28
	22 AWG w/o strain relief	**** Minimum	N/LB	48.0/10.78	39.2/8.81	54.5/12.24
	24 AWG	**** Minimum	N/LB	37.0/8.32	28.5/6.40	44.9/10.10
	26 AWG	**** Minimum	N/LB			
	28 AWG	**** Minimum	N/LB			
	30 AWG	**** Minimum	N/LB			
	32 AWG	**** Minimum	N/LB			
	34 AWG	**** Minimum	N/LB			
	36 AWG	**** Minimum	N/LB			

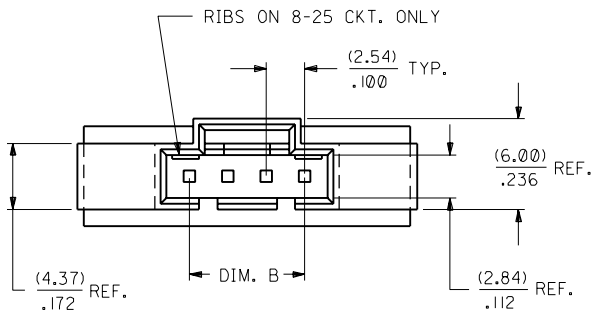
9.5 MISCELLANEOUS:

TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MEAN	MINIMUM	MAXIMUM
Terminal Retention Force (in Housing)	Initial	**** Minimum	N/LB	37.94/8.53	23.04/5.18	55.74/12.53
Insulation Resistance	Initial	1000 Min.	Megaohms	Passed		
	After Shock (Thermal)	1000 Min.	Megaohms	Passed		
	After Thermal Aging	1000 Min.	Megaohms	Passed		
	After Humidity (Steady State)	1000 Min.	Megaohms	Passed		
	After Humidity (Cyclic)	1000 Min.	Megaohms	Passed		

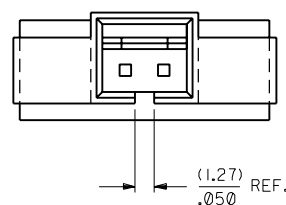
REVISE ON PC ONLY		TITLE	PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM			
J	ADD CONNECTOR RETENTION CALLOUT UCP2005-MIBARRA 05/05/02				THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	REV					
DOCUMENT NO. PS - 70400		FILE NAME	SHEET 13			

NOTES:

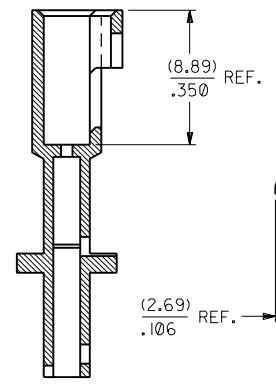
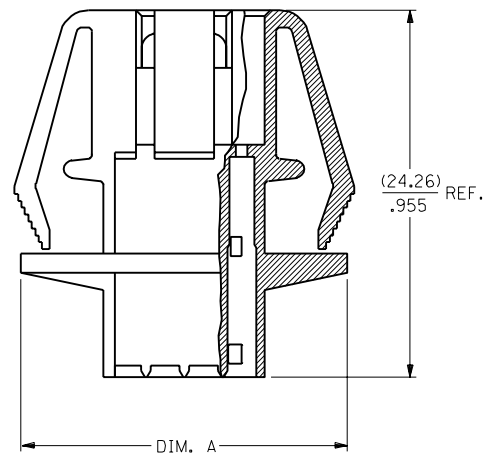
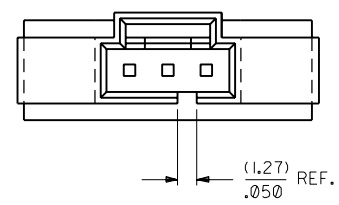
- 1) MATERIAL: POLYESTER, 94V-0
COLOR: BLACK
- 2) HOUSING TO BE USED WITH TERMINAL
PT. NO. 70021-****
- 3) SEE CHART FOR CIRCUIT SIZES
- 4) TO BE USED WITH 70400 SERIES
CONNECTORS (STYLE "G")
- 5) PANEL THICKNESS (0.81)/.032 - (2.36)/.093
- 6) SEE SHEET 3 FOR MOUNTING HOLE DIMENSIONS.
- 7) SEE SHEET 2 FOR OPTIONAL SKIRT AND
SHROUD CONFIGURATIONS
- 8) PACKAGE PER PK-70107-100.



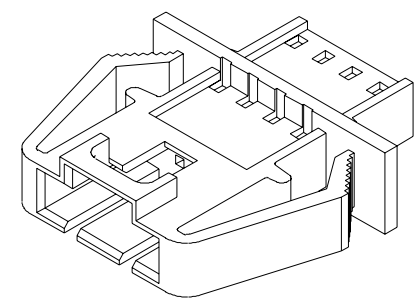
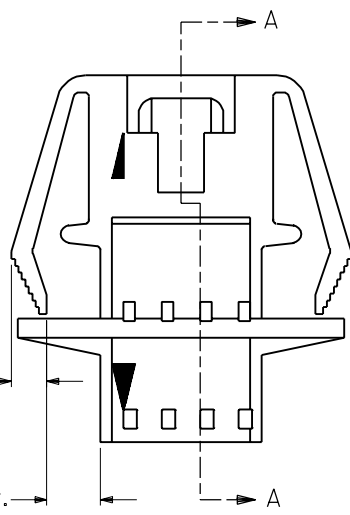
2 CIRCUIT



3 CIRCUIT



SECTION A-A (3.64) REF. / .144



CKT. SIZE	EDP. NO.	ENG. NO.	70107	
			A	B
2	701-07-0036	70107-0036	(16.51) .650	(2.54) .100
3	701-07-0037	70107-0037	(19.05) .750	(5.08) .200
4	701-07-0038	70107-0038	(21.59) .850	(7.62) .300
5	701-07-0039	70107-0039	(24.13) .950	(10.16) .400
6	701-07-0040	70107-0040	(26.67) 1.050	(12.70) .500
7	701-07-0041	70107-0041	(29.21) 1.150	(15.24) .600
8	701-07-0042	70107-0042	(31.75) 1.250	(17.78) .700
9	701-07-0043	70107-0043	(34.29) 1.350	(20.32) .800
10	701-07-0044	70107-0044	(36.83) 1.450	(22.86) .900
11	701-07-0045	70107-0045	(39.37) 1.550	(25.40) 1.000
12	701-07-0046	70107-0046	(41.91) 1.650	(27.94) 1.100
13	701-07-0047	70107-0047	(44.45) 1.750	(30.48) 1.200
14	701-07-0048	70107-0048	(46.99) 1.850	(33.02) 1.300
15	701-07-0049	70107-0049	(49.53) 1.950	(35.56) 1.400
16	701-07-0050	70107-0050	(52.07) 2.050	(38.10) 1.500
17	701-07-0051	70107-0051	(54.61) 2.150	(40.64) 1.600
18	701-07-0052	70107-0052	(57.15) 2.250	(43.18) 1.700
19	701-07-0053	70107-0053	(59.69) 2.350	(45.72) 1.800
20	701-07-0054	70107-0054	(62.23) 2.450	(48.26) 1.900
21	701-07-0055	70107-0055	(64.77) 2.550	(50.80) 2.000
22	701-07-0056	70107-0056	(67.31) 2.650	(53.34) 2.100
23	701-07-0057	70107-0057	(69.85) 2.750	(55.88) 2.200
24	701-07-0058	70107-0058	(72.39) 2.850	(58.42) 2.300
25	701-07-0059	70107-0059	(74.93) 2.950	(60.96) 2.400

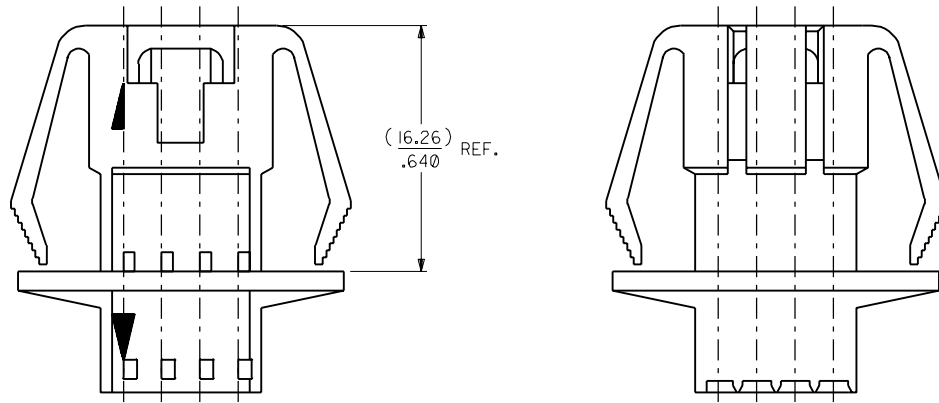
3	G
2	J
1	J
MFG. SH. REV.	

I	ADD PKG NOTE PER UDT2000-0489 SCHAFFER 99/12/1	G	REDRAWN ON CAD ADD NEW SHEET 2 PER ECR #9280 8/21/86 MJM
	H		REVISED EAR DIM'S PER ECR #9533 12/1/86 MJM/JAS
J	REVISED DESIGN PER ECN UDT2000-0780 KMS 08/24/00	LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
5 PLACE ± .010		INCH METRIC		TITLE	
2 PLACE ± .014 ± 0.25				HOUSING, CONNECTOR	
1 PLACE --- ± 0.35				(2.54)/.100 GRID	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED SHEET NO. DATE		1 OF 3 7 / 4/86	
DRWG. BY: RS		CHK'D. BY: MJM		PART NO. SD-70107-0036-0059	
APP'D. BY: WAZ		SCALE: 4:1		FILE NAME: S70107X02	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	

13 12 11 10 9 8 7 6 70107 4 3 2 1

J I H G F E D C B A



OPTIONAL CONFIGURATIONS FOR INTERNATIONAL MOLD

70107

MFG. SH. REV.

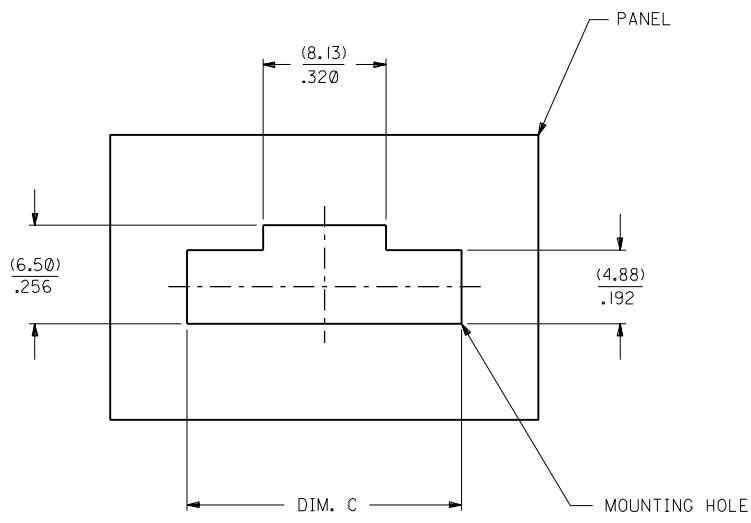
FILE NAME

SIZE

DA C

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISE ONLY ON CAD SYSTEM																			
<table border="1"> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> <tr> <td>3 PLACE</td> <td>± .010</td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td>± .014</td> <td>± 0.25</td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td>± 0.35</td> </tr> </table>			INCH	METRIC	3 PLACE	± .010	---	2 PLACE	± .014	± 0.25	1 PLACE	---	± 0.35	<table border="1"> <tr> <td>TITLE</td> <td>HOUSING, CONNECTOR (2.54)/.100 GRID</td> </tr> <tr> <td>MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.</td> <td>SHEET NO. 2 DATE 7 / 4 / 86</td> </tr> <tr> <td>PART NO.</td> <td>DRWG. NO. SD-70107-0036-0059</td> </tr> </table>		TITLE	HOUSING, CONNECTOR (2.54)/.100 GRID	MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.	SHEET NO. 2 DATE 7 / 4 / 86	PART NO.	DRWG. NO. SD-70107-0036-0059
	INCH	METRIC																			
3 PLACE	± .010	---																			
2 PLACE	± .014	± 0.25																			
1 PLACE	---	± 0.35																			
TITLE	HOUSING, CONNECTOR (2.54)/.100 GRID																				
MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.	SHEET NO. 2 DATE 7 / 4 / 86																				
PART NO.	DRWG. NO. SD-70107-0036-0059																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																			
DRWG. BY: RS	CHK'D. BY: MJM	FILE NAME: S70107X06.DGN	DIV. DA																		
APP'D. BY: WAZ	SCALE: 4:1	SIZE: C																			
LTR.	REVISIONS	LTR.	REVISIONS																		

13 12 11 10 9 8 7 6 5 4 3 2 1



RECOMMENDED MOUNTING HOLE LAYOUT

CKT. SIZE	EDP. NO.	ENG. NO.	C
2	701-07-0036	70107-0036	(13.08) .515
3	701-07-0037	70107-0037	(15.62) .615
4	701-07-0038	70107-0038	(18.61) .715
5	701-07-0039	70107-0039	(20.70) .815
6	701-07-0040	70107-0040	(23.24) .915
7	701-07-0041	70107-0041	(25.78) 1.015
8	701-07-0042	70107-0042	(28.32) 1.115
9	701-07-0043	70107-0043	(30.86) 1.215
10	701-07-0044	70107-0044	(33.40) 1.315
11	701-07-0045	70107-0045	(35.94) 1.415
12	701-07-0046	70107-0046	(38.48) 1.515
13	701-07-0047	70107-0047	(41.02) 1.615
14	701-07-0048	70107-0048	(43.56) 1.715
15	701-07-0049	70107-0049	(46.10) 1.815
16	701-07-0050	70107-0050	(48.64) 1.915
17	701-07-0051	70107-0051	(51.18) 2.015
18	701-07-0052	70107-0052	(53.72) 2.115
19	701-07-0053	70107-0053	(56.26) 2.215
20	701-07-0054	70107-0054	(58.80) 2.315
21	701-07-0055	70107-0055	(61.34) 2.415
22	701-07-0056	70107-0056	(63.88) 2.515
23	701-07-0057	70107-0057	(66.42) 2.615
24	701-07-0058	70107-0058	(68.96) 2.715
25	701-07-0059	70107-0059	(71.50) 2.815

70107

MFG. SH. REV.

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED
TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY: RS CHK'D. BY: MJM
APP'D. BY: WAZ SCALE: 4:1

REVISIONS ONLY ON CAD SYSTEM

TITLE: HOUSING, CONNECTOR (2.54)/.100 GRID

MOLEX INCORPORATED SHEET NO. 3 DATE 7 / 5 / 86
LISLE, ILL. 60532 U.S.A.

PART NO. SD-70107-0036-0059

FILE NAME: S70107X03.DWG DIV. 15 SIZE DA 1 C

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LTR.	REVISIONS	LTR.	REVISIONS
		G	SEE SHEET 1