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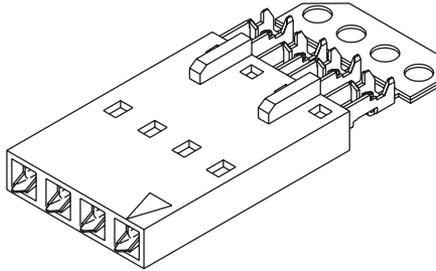
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Jameco Part Number 1961891

# 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly

**70475**

**Male, Single Row  
Version D, Back Ribs**



### Features and Benefit

- Sizes 2 to 25 circuits
- Preloaded, single-piece construction allows for fully automated termination
- Packaged in plastic tubes to allow for automated manufacturing and to minimize product handling
- Back ribs maintain position of connector assembly in clips; prevents lateral movement when another assembly is removed
- End-to-end stackable inside a single row panel mount connector to form a larger single row connector
- Back-to-back and end-to-end stackable inside a dual row panel mount connector to form a dual row connector

### Reference Information

Product Specification: PS-70475

Packaging: Tube

UL File No.: E29179

CSA File No.: LR19980

Accessories: Panel mount connectors 70018, 70022 and 70104 to form a male pin assembly

Mates with: 70058 and 71851 female crimp terminals, 70400 and 70430 connector assemblies and 0.64mm (.025") Square pins.

Use With Molex Cable: 7234, 7307, 7560, 7767, 8867, 8996, 8997, 24241, 24327, 24369 and 24389

Designed In: Inches

### Electrical

Voltage: 250V

Current: 1.2A—28 AWG; 1.8A—26 AWG  
3.0A—24 AWG; 3.0A—22 AWG

Contact Resistance: 15 milliohms max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 10,000 Megohms min.

### Mechanical

Contact Retension to Housing: 17.79N (4 lb) min.

Mating Force: Tin—4.15N (.93 lb) per circuit;

Gold—3.08N (.70 lb) per circuit

Unmating Force: Tin—2.47N (.55 lb) per circuit;

Gold—.65N (.15 lb) per circuit

Durability: Tin—25 cycles; Gold—50 cycles

### Physical

Housing: Black polyester, UL 94V-0

Contact: Copper Alloy

Plating: See Table

Operating Temperature: -40 to +105°C

Insulation and Wire Gauge Range: .053" max. with 22 to 28 AWG stranded discrete wire or flat ribbon cable

Delivered on a carrier with 20 pieces per strip.

**Actual Size**  **Universal Polarizing Pin 40713-1**  
Order No. 15-04-0292

### Not For Use With C-Grid III™ Components

Wire Accommodation (AWG)	Order No.			Lead-free
	150µm Tin	15µm Gold	30µm Gold	
28	14-45-18XX	14-44-21XX	14-44-49XX	Yes
26	14-45-06XX	14-44-16XX	14-44-29XX	
24	14-45-02XX	14-44-12XX	14-44-29XX	
22	14-44-52XX	14-44-53XX	14-44-54XX	
		Replace XX with no. of circuits, 02-25		

Housing version D mates with female connectors when used in panel mount

Plating Code (Stripe on Carrier Strip)	
Plating	Color
Tin	None
15µm Gold	Yellow
30µm Gold	Red

Wire Gauge Chart	
Code Stamped on Terminals	Wire Gauge (AWG)
A	24
B	26
C	28
D	22

Note: 2 circuit assemblies supplied as grouped pairs

# 2.54mm (.100") Pitch SL™ Ribbon Cable Connectors

## 70400/70475 Single Row Cable Connector System

Please refer to section A of this catalog for more detailed information

### Features and Benefits

- Sizes 2 to 25 circuits
- Modular connectors for use with SL single row shrouded headers and clips
- Terminals preloaded into housings
- Polarization and positive locking options

### Reference Information

Packaging: Tube  
 UL File No.: E29179  
 CSA File No.: LR19980  
 Use Molex Cable: 7307, 7767, 8996, 8997, 24226, 24241, 24369 and 24389  
 Designed In: Inches

### Electrical

Voltage: 250V  
 Current: 3.0A max  
 Contact Resistance: 15 milliohms max.  
 Dielectric Withstanding Voltage: 1500V  
 Insulation Resistance: 10,000 Megohms min.

### Mechanical

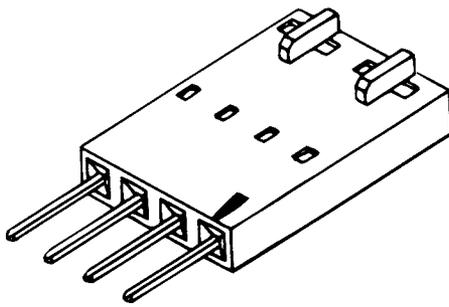
Contact Insertion Force: 3.11N (0.7 lb) max.  
 Contact Retention to Housing: 17.79N (4 lb) min. for 15 seconds  
 Durability: Tin—25 cycles; Gold—50 cycles

### Physical

Housing: Polyester, UL 94V-0  
 Contact: Copper alloy  
 Operating Temperature: -40 to +105°C

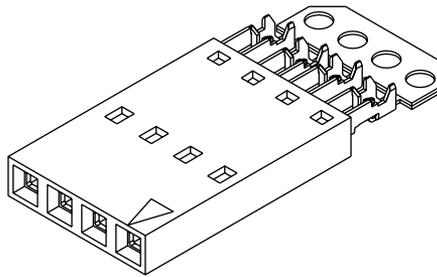
Version D — Male

**70475**



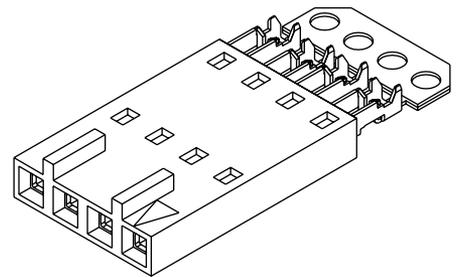
Version A — Female

**70400**



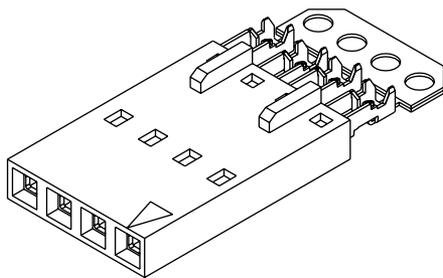
Version C — Female

**70400**



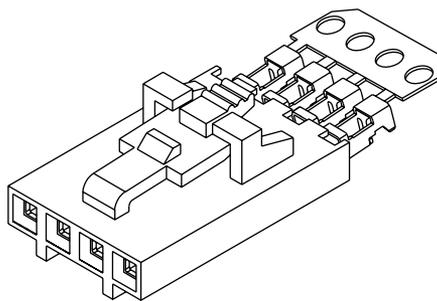
Version D — Female

**70400**



Version G — Female

**70400**



**G**

Ribbon Cable Connectors, Wire Traps, Cable Holders



PRODUCT SPECIFICATION



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REV			TITLE				<b>PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR-(SL) CONNECTOR SYSTEM</b>	
REVISE ON PC ONLY			THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
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	DESIGN CONTROL	STATUS	FOX	STILES	BRINKMAN	99/11/16		
	UCP					FILE NAME	SHT NO.	
<b>DOCUMENT NO. PS – 70400</b>						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  $\mu$ -in. min. Gold in select area over Nickel overall with 75  $\mu$ -in. Tin in select area over Nickel overall

or

Gold: 15  $\mu$ -in. min. Gold in select area over Nickel overall with 75  $\mu$ -in. Tin in select area over Nickel overall

2.2.7.2 Tin: 150  $\mu$ -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 <sub>2</sub> , 10 ppm H <sub>2</sub> S, 100 ppm NO <sub>2</sub> , 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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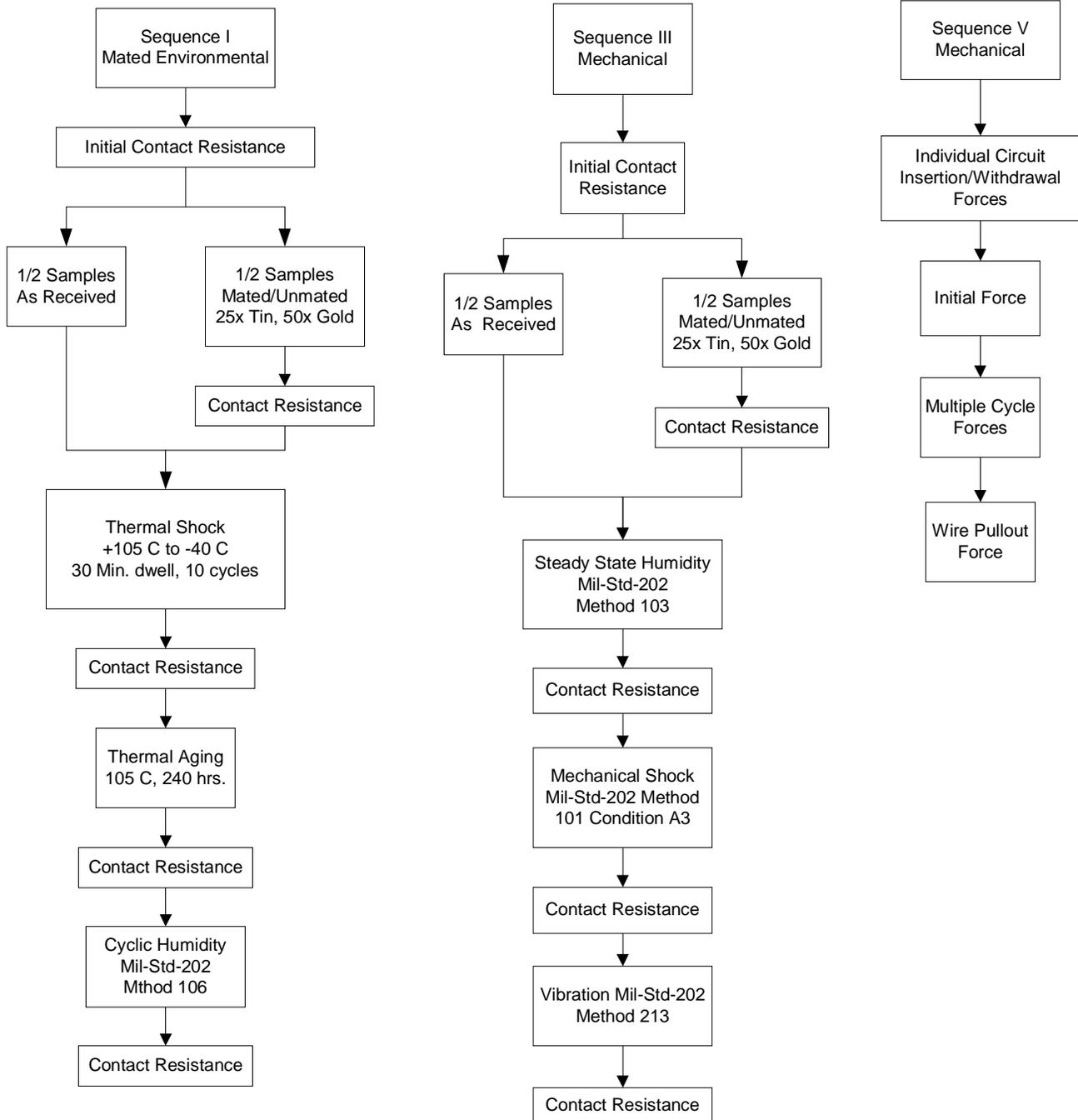


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## 9.0 TEST SUMMARY:

### 9.1 SEQUENCE I - MATED ENVIRONMENTAL:

TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MEAN	MINIMUM	MAXIMUM
<b>Contact Resistance</b>	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
<b>Contact Resistance</b>	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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ENGLISH

### 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

REVISE ON PC ONLY		TITLE	<b>PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM</b>			
<b>J</b>	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. <b>PS - 70400</b>		FILE NAME	SHEET 12			
BORDER TEMPLATE: ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.LWP						



# PRODUCT SPECIFICATION



LANGUAGE

ENGLISH

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:

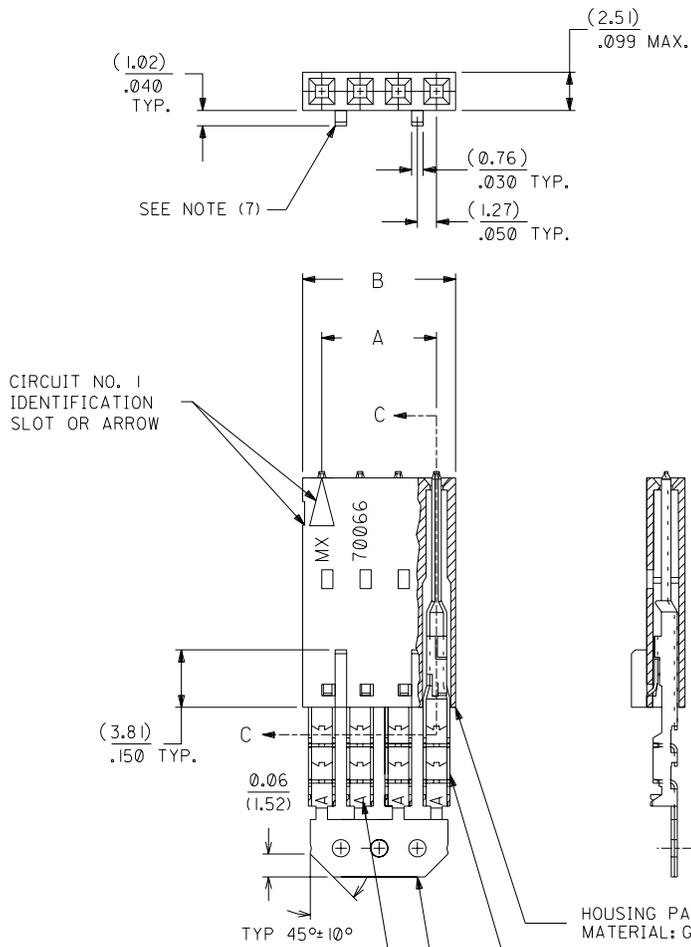
TEST CONDITION	TREATMENT	REQUIREMENT	UNITS	MEAN	MINIMUM	MAXIMUM
Terminal Retention Force (in Housing)	Initial	**** Minimum	N/LB	37.94/8.53	23.04/5.18	55.74/12.53
Insulation Resistance	Initial	1000 Min.	Megaohms	Passed		
	After Shock (Thermal)	1000 Min.	Megaohms	Passed		
	After Thermal Aging	1000 Min.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

REVISE ON PC ONLY		TITLE	<b>PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM</b>	
<b>J</b>	ADD CONNECTOR RETENTION CALLOUT UCP2005-MIBARRA 05/05/02			
	DESCRIPTION			
DOCUMENT NO.		THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
<b>PS - 70400</b>		FILE NAME	SHEET	
			13	
BORDER TEMPLATE: ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.LWP				

# OPTION D

**NOTES:**

- 1) TO BE USED WITH (24) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70475.
- 6) SEE DWG. SDA-70475-\*\*\*\*\* (SHT.3) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70018-\*\*\*\*, 70022-\*\*\*\*, 70104-\*\*\*\*.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



CIRCUIT NO. 1 IDENTIFICATION SLOT OR ARROW

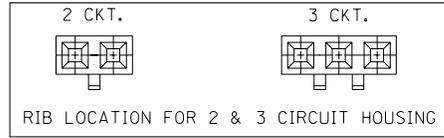
I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
TIN	NONE

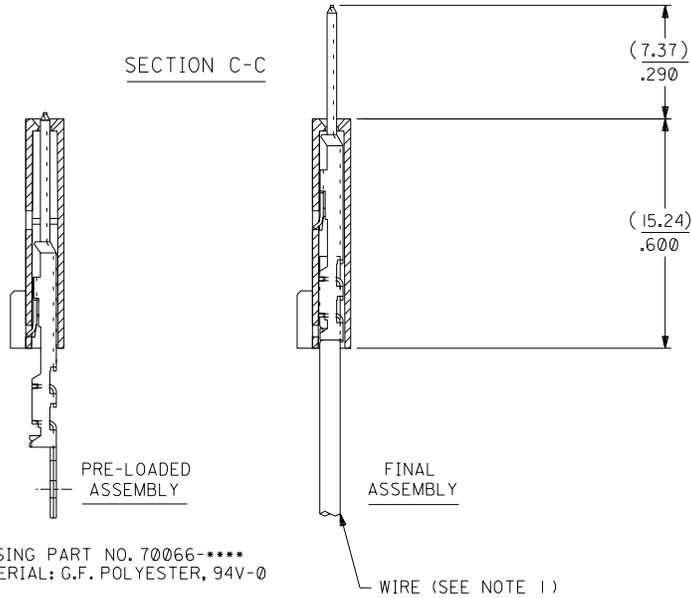
HOUSING PART NO. 70066-\*\*\*\*  
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70110-\*\*\*\*  
MATERIAL: PHOSPHOR BRONZE  
PLATING PER ES-88-\*\*\*

TIN - .000150 MINIMUM TIN OVER  
.000050 MINIMUM NICKEL PLATE.



**SECTION C-C**



\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	( 2.54 ) .100	( 5.05 ) .199	14-45-0202	A-70475-0071
3	( 5.08 ) .200	( 7.59 ) .299	14-45-0203	A-70475-0072
4	( 7.62 ) .300	( 10.13 ) .399	14-45-0204	A-70475-0073
5	( 10.16 ) .400	( 12.67 ) .499	14-45-0205	A-70475-0074
6	( 12.70 ) .500	( 15.21 ) .599	14-45-0206	A-70475-0075
7	( 15.24 ) .600	( 17.75 ) .699	14-45-0207	A-70475-0076
8	( 17.78 ) .700	( 20.29 ) .799	14-45-0208	A-70475-0077
9	( 20.32 ) .800	( 22.83 ) .899	14-45-0209	A-70475-0078
10	( 22.86 ) .900	( 25.37 ) .999	14-45-0210	A-70475-0079
11	( 25.54 ) 1.000	( 27.91 ) 1.099	14-45-0211	A-70475-0080
12	( 27.94 ) 1.100	( 30.45 ) 1.199	14-45-0212	A-70475-0081
13	( 30.48 ) 1.200	( 32.99 ) 1.299	14-45-0213	A-70475-0082
14	( 33.02 ) 1.300	( 35.53 ) 1.399	14-45-0214	A-70475-0083
15	( 35.56 ) 1.400	( 38.07 ) 1.499	14-45-0215	A-70475-0084
16	( 38.01 ) 1.500	( 40.61 ) 1.599	14-45-0216	A-70475-0085
17	( 40.64 ) 1.600	( 43.15 ) 1.699	14-45-0217	A-70475-0086
18	( 43.18 ) 1.700	( 45.69 ) 1.799	14-45-0218	A-70475-0087
19	( 45.72 ) 1.800	( 48.23 ) 1.899	14-45-0219	A-70475-0088
20	( 48.26 ) 1.900	( 50.77 ) 1.999	14-45-0220	A-70475-0089
21	( 50.80 ) 2.000	( 53.31 ) 2.099	14-45-0221	A-70475-0090
22	( 53.34 ) 2.100	( 55.85 ) 2.199	14-45-0222	A-70475-0091
23	( 55.88 ) 2.200	( 58.39 ) 2.299	14-45-0223	A-70475-0092
24	( 58.42 ) 2.300	( 60.93 ) 2.399	14-45-0224	A-70475-0093
25	( 60.96 ) 2.400	( 63.47 ) 2.499	14-45-0225	A-70475-0094

LTR.	REVISIONS	LTR.	REVISIONS
G	LEAD FREE UCP2004-1769 RWHITE 04/03/24	E	REVISED PER ECR NO. U82124 10-17-88 MGB
F1	ADD CARRIER CHAMF ECR #UDT1998-0280 05/20/98 LMCGRATH	D	REVISE PER ECR #U81370 5/20/88 MJM
F	164 PLATING WAS 102 PER ECR # U31149 08/09/93 REED	C	REDRAWN ON CAD ECR# 8842 5/9/86 W.Z.

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

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
3 PLACE ± .010	METRIC ---	1 PLACE ± .014	± 0.25
2 PLACE ± .014	---	1 PLACE ---	± 0.35
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
MOLEX INCORPORATED SHEET NO. DATE 10/13/84		U.S.A.	
PART NO. SDA-70475-0071-0094		DRWG. NO.	
SEE CHART			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			

MFG. SH. REV.

70475