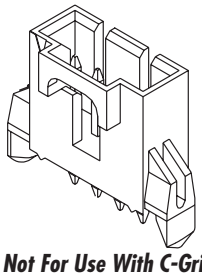
Jameco Part Number 1933697

2.54mm (.100") Pitch SL™ Wire-to-Board Shrouded Header

70545

Single Row, .120" Pocket Vertical, Tri-Peg



Features and Benefits
- Size 2 to 25 circuits
- PCB locks hold header in place until permanently soldered
- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention

Reference Information
Product Specification: PS-70541
Packaging: Tube
UL File No.: E29179
CSA File No.: LR19980
Mates With: 70066G, 70066N, 70400G and 70430G
Designed In: Inches

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

Mechanical
Insertion Force to PCB: 44.50N (10 lb)
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

Not For Use With C-Grid III™ Components

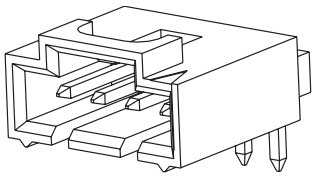
Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
2	70545-0001	70545-0036	70545-0071	Yes
3	70545-0002	70545-0037	70545-0072	
4	70545-0003	70545-0038	70545-0073	
5	70545-0004	70545-0039	70545-0074	
6	70545-0005	70545-0040	70545-0075	
7	70545-0006	70545-0041	70545-0076	
8	70545-0007	70545-0042	70545-0077	
9	70545-0008	70545-0043	70545-0078	
10	70545-0009	70545-0044	70545-0079	
11	70545-0010	70545-0045	70545-0080	
12	70545-0011	70545-0046	70545-0081	
13	70545-0012	70545-0047	70545-0082	

Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
14	70545-0013	70545-0048	70545-0083	Yes
15	70545-0014	70545-0049	70545-0084	
16	70545-0015	70545-0050	70545-0085	
17	70545-0016	70545-0051	70545-0086	
18	70545-0017	70545-0052	70545-0087	
19	70545-0018	70545-0053	70545-0088	
20	70545-0019	70545-0054	70545-0089	
21	70545-0020	70545-0055	70545-0090	
22	70545-0021	70545-0056	70545-0091	
23	70545-0022	70545-0057	70545-0092	
24	70545-0023	70545-0058	70545-0093	
25	70545-0024	70545-0059	70545-0094	

2.54mm (.100") Pitch SL™ Wire-to-Board Shrouded Header

70553

Single Row, .120" Pocket Right Angle, Low Profile



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- Sizes 2 to 25 circuits
- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention

Reference Information
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Packaging: Tube
UL File No.: E29179
CSA File No.: LR19980
Mates With: 70066G, 70066N, 70400G and 70430G
Designed In: Inches

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

Mechanical
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

Not For Use With C-Grid III™ Components

Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
2	70553-0036	70553-0001	70553-0106	Yes
3	70553-0037	70553-0002	70553-0107	
4	70553-0038	70553-0003	70553-0108	
5	70553-0039	70553-0004	70553-0109	
6	70553-0040	70553-0005	70553-0110	
7	70553-0041	70553-0006	70553-0111	
8	70553-0042	70553-0007	70553-0112	
9	70553-0043	70553-0008	70553-0113	
10	70553-0044	70553-0009	70553-0114	
11	70553-0045	70553-0010	70553-0115	
12	70553-0046	70553-0011	70553-0116	
13	70553-0047	70553-0012	70553-0117	

Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
14	70553-0048	70553-0013	70553-0118	Yes
15	70553-0049	70553-0014	70553-0119	
16	70553-0050	70553-0015	70553-0120	
17	70553-0051	70553-0016	70553-0121	
18	70553-0052	70553-0017	70553-0122	
19	70553-0053	70553-0018	70553-0123	
20	70553-0054	70553-0019	70553-0124	
21	70553-0055	70553-0020	70553-0125	
22	70553-0056	70553-0021	70553-0126	
23	70553-0057	70553-0022	70553-0127	
24	70553-0058	70553-0023	70553-0128	
25	70553-0059	70553-0024	70553-0129	

TABLE OF CONTENTS

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

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.

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.

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

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

5.3 ENVIRONMENTAL PERFORMANCE

Item	Test Condition	Requirement
Thermal Shock Mil-Std-202F Method 107 E	Mate connectors exposed to 10 cycles of: Temperature °C — Duration (Min) -40 +0/-3 — 30 +25 +/-10 — 5 Max +105 +3/-0 — 30 +25 +/-10 — 5 Max -40 +0/-3 — 30	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial
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

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: Temperature °C — Duration (Min) +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_2S, 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.

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:

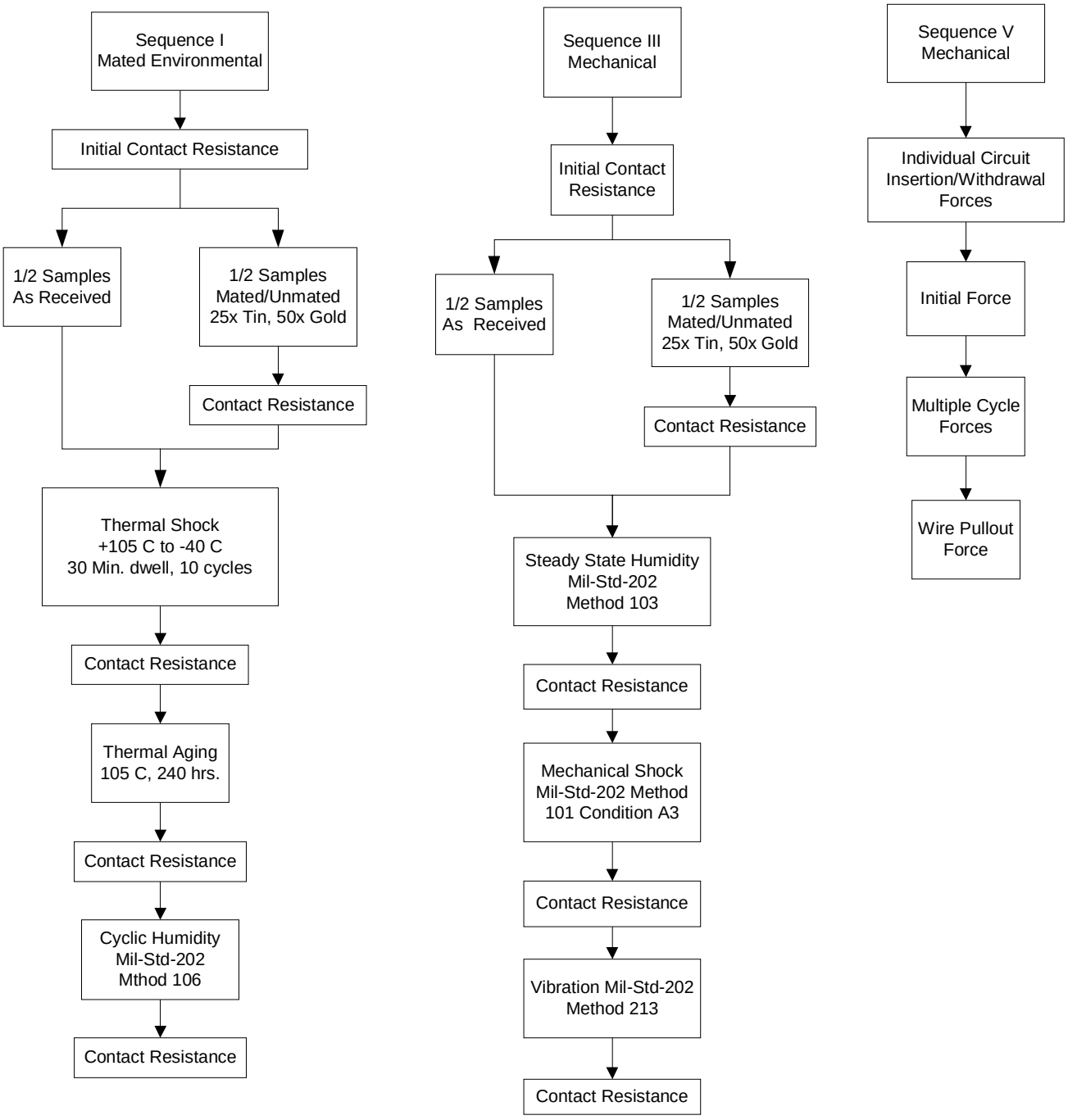
Terminal insertion/withdrawal testing should be performed with the gage pin detailed below.

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.



REVISE ON PC ONLY		TITLE	**PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM**
J	ADD CONNECTOR RETENTION CALLOUT UCP2005- MIBARRA 05/05/02		
REV	DESCRIPTION		

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

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:

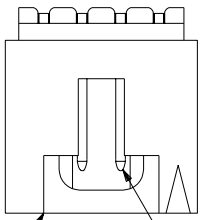
70058 - MATING FORCE SEQUENCE 5.3						
TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Insertion Force	Initial	Tin	LB/(N)	0.73/(3.24)	0.62/(2.74)	0.82/(3.63)
		Gold	LB/(N)	0.39/(1.75)	0.28/(1.25)	0.59/(2.62)
	After 25 Cycles	Tin	LB/(N)	0.75/(3.32)	0.64/(2.83)	0.89/(3.94)
	After 50 Cycles	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)

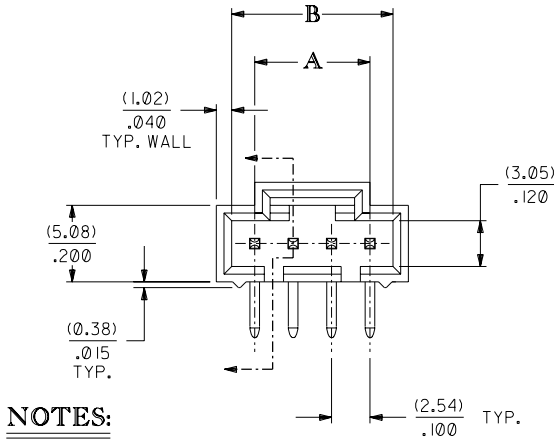
71851 - MATING FORCE SEQUENCE 5.3						
TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Insertion Force	Initial	Tin	LB/N	2.39/10.62	2.24/9.96	2.53/11.25
		Gold	LB/N	0.99/4.39	0.91/4.05	1.05/4.67
	After 25 Cycles	Tin	LB/N	2.18/9.71	1.60/7.12	2.82/12.54
	After 50 Cycles	Gold	LB/N	1.01/4.48	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

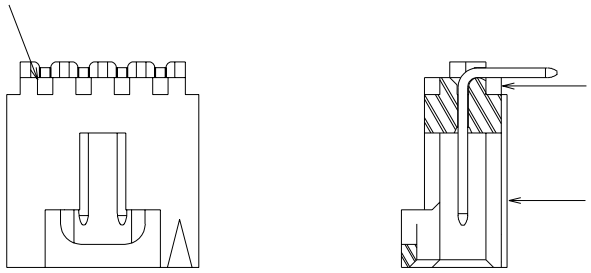
TEST CONDITION	TREATMENT	PLATING	UNITS	MEAN	MINIMUM	MAXIMUM
Wire Pullout Force (Axial)	22 AWG with strain relief	**** Minimum	N/LB	65.3/14.67	56.2/12.63	72.4/16.28
	22 AWG w/o strain relief	**** Minimum	N/LB	48.0/10.78	39.2/8.81	54.5/12.24
	24 AWG	**** Minimum	N/LB	37.0/8.32	28.5/6.40	44.9/10.10
	26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

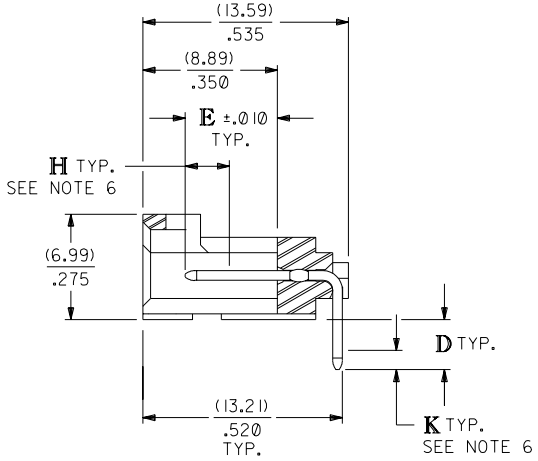


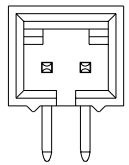




ALTERNATIVE CORING
MANUFACTURER'S OPTION

CKT. SIZE	DIM. "A" MM	DIM. "A" IN.	DIM. "B" MM	DIM. "B" IN.
2	2.54	.100	5.33	.210
3	5.08	.200	8.13	.320
4	7.62	.300	10.67	.420
5	10.16	.400	13.21	.520
6	12.70	.500	15.75	.620
7	15.24	.600	18.29	.720
8	17.78	.700	20.83	.820
9	20.32	.800	23.37	.920
10	22.86	.900	25.91	1.020
11	25.40	1.000	28.45	1.120
12	27.94	1.100	30.99	1.220
13	30.48	1.200	33.53	1.320
14	33.02	1.300	36.07	1.420
15	35.56	1.400	38.61	1.520
16	38.10	1.500	41.15	1.620
17	40.64	1.600	43.69	1.720
18	43.18	1.700	46.23	1.820
19	45.72	1.800	48.77	1.920
20	48.26	1.900	51.31	2.020
21	50.80	2.000	53.85	2.120
22	53.34	2.100	56.39	2.220
23	55.88	2.200	58.93	2.320
24	58.42	2.300	61.47	2.420
25	60.96	2.400	64.01	2.520





2 CIRCUIT

NOTES:

1. HEADER MATERIAL: GLASS FILLED POLYESTER; UL94V-0; COLOR: BLACK
   PIN MATERIAL: PHOSPHOR BRONZE
2. HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-70541.
4. STANDARD PACKAGING IN TUBES PER PK-70873-0015 OR OPTIONAL PACKAGING IN BAGS PER PK-70873-0535. OPTIONAL PACK NOT AVAILABLE FOR ALL CKT. SIZES.
5. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR REFERENCE ONLY.
6. MEASURE POINT FOR PLATING THICKNESS.

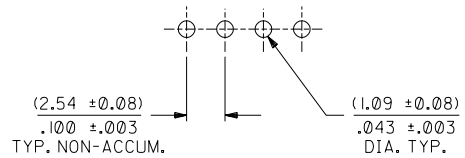
PLATING:

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

15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.

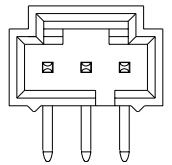
30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.

*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.



RECOMMENDED PC BOARD LAYOUT

(FOR USE WITH (1.57)/.062 THICK BOARD)



3 CIRCUIT

LTR.	REVISIONS	LTR.	REVISIONS
		G	REMOVED -0071-0094 PER UDT2002-0981 RSFOX 02/03/11
		F	ADDED TOLERENCES PER UDT2001-0723 JRWILLIAMS 01/04/24
H	LEAD FREE ECN# UCP2004-1512 RWHITE 04/02/12	E	MODIFIED HOUSING MATERIAL CALLOUT ECN# UDT1999-0869 DMORGAN 99/04/26

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 AAB | CHK'D. BY AAB | APP'D. BY WAZ | SCALE 4 : 1

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: SALES ASSY, SL RIGHT ANGLE HEADER W/LATCH & NO PEGS (2.54)/.100 CENTERS

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 1 OF 3 | DATE 05/13/93

PART NO. SEE SHT 2&3 | DRWG. NO. SDA-70553-****

FILE NAME S70553X1

DIV. DA | SIZE C

MFG.	SH.	REV.
3	H	
2	H	
1	H	

CIRCUIT SIZE	ENGINEERING NUMBER A-70553	MANUFACTURE RELEASE STATUS					D REF.	E ± .010	PLATING TYPE	CONNECTOR END PLATING TYPE	CONNECTOR END PLATING H MEAS.		P.C. BOARD END PLATING TYPE	P.C. BOARD END PLATING K MEAS.		SEE PACK INFORMA. DRAWING PK-70873
2-10	-0001-0009	R.F.M.					(3.30) .130	(6.10) .240	15 GOLD	GOLD	(2.54) .100		TIN	(1.27) .050		-0015 (TUBES)
11-25	-0010-0024	R.F.M.														
2-10	-0036-0044	R.F.M.					(3.30) .130	(6.10) .240	TIN	TIN	(2.54) .100		TIN	(1.27) .050		-0015 (TUBES)
11-25	-0045-0059	R.F.M.														
2-10	-0106-0114	R.F.M.					(3.30) .130	(6.10) .240	30 GOLD	GOLD	(2.54) .100		TIN	(1.27) .050		-0015 (TUBES)
11-25	-0115-0129	R.F.M.														
2-10	-0141-0149	R.F.M.					(2.67) .105	(6.10) .240	15 GOLD	GOLD	(2.54) .100		TIN	(1.27) .050		-0015 (TUBES)
11-25	-0150-0TIN	R.F.M.														
2-10																
11-25																

CIRCUIT SIZE	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER
2	70553-0001	70553-0036	70553-0106	70553-0141		
3	70553-0002	70553-0037	70553-0107	70553-0142		
4	70553-0003	70553-0038	70553-0108	70553-0143		
5	70553-0004	70553-0039	70553-0109	70553-0144		
6	70553-0005	70553-0040	70553-0110	70553-0145		
7	70553-0006	70553-0041	70553-0111	70553-0146		
8	70553-0007	70553-0042	70553-0112	70553-0147		
9	70553-0008	70553-0043	70553-0113	70553-0148		
10	70553-0009	70553-0044	70553-0114	70553-0149		
11	70553-0010	70553-0045	70553-0115	70553-0150		
12	70553-0011	70553-0046	70553-0116	70553-0151		
13	70553-0012	70553-0047	70553-0117	70553-0152		
14	70553-0013	70553-0048	70553-0118	70553-0153		
15	70553-0014	70553-0049	70553-0119	70553-0154		
16	70553-0015	70553-0050	70553-0120	70553-0155		
17	70553-0016	70553-0051	70553-0121	70553-0156		
18	70553-0017	70553-0052	70553-0122	70553-0157		
19	70553-0018	70553-0053	70553-0123	70553-0158		
20	70553-0019	70553-0054	70553-0124	70553-0159		
21	70553-0020	70553-0055	70553-0125	70553-0160		
22	70553-0021	70553-0056	70553-0126	70553-0161		
23	70553-0022	70553-0057	70553-0127	70553-0162		
24	70553-0023	70553-0058	70553-0128	70553-0163		
25	70553-0024	70553-0059	70553-0129	70553-0164		

"X" IN COLUMN UNDER "ASSEMBLY ITEM NUMBER" HEADING DENOTES TOOLING NOT AVAILABLE

LTR.	REVISIONS	LTR.	REVISIONS
		H	SEE SHEET 1
		G	SEE SHEET 1
		F	SEE SHEET 1
		D	SEE SHEET 1
		B1	SEE SHEET 1
		B	SEE SHEET 1
		A	SEE SHEET 1

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
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1 PLACE		± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY	AAB	CHK'D. BY	AAB
APP'D. BY	WAZ	SCALE	:

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: SALES ASSY, SL RIGHT ANGLE HEADER W/LATCH & NO PEGS (2.54)/.100 CENTERS

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

SHEET NO. 2

DATE 05/13/93

PART NO. SEE CHART

DRWG. NO. SDA-70553-****

FILE NAME S70553X2

DIV. DA

SIZE C

70553