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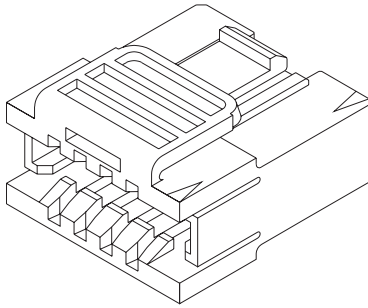
2.54mm (.100") Pitch

SL™

Interim Clip

70013

Dual Row



Not For Use With Molex C-Grid III™ Components

Circuits	Order No.	
	Version A Without Ribs	Version B With Ribs
6	15-04-5061	15-04-5064
8	15-04-5081	15-04-5084
10	15-04-5101	15-04-5104
12	15-04-5121	15-04-5124
14	15-04-5141	15-04-5144
16	15-04-5161	15-04-5164
18	15-04-5181	15-04-5184
20	15-04-5201	15-04-5204

Features and Benefits

- Sizes 6 to 50 circuits
- Positive latch retains clip to dual row panel mount or headers
- Optional front polarization rib available (version B)
- Stacks single row 70066/70400D assemblies side-to-side and end-to-end to form a larger dual row connector, accepts 70450C dual row connector to provide positive latch feature

Reference Information

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 70013, Version A—8724B and 70567B

70013, Version B—70022, 70567C, 70568, 71349 and 70229

Use With: 70066D housing and 70021 terminals, 70450C housing and 70021 terminals, 70430D and 70400D connector assemblies

Designed In: Inches

Physical

Housing: Black polyester, UL 94V-0

Operating Temperature: -40 to +105°C

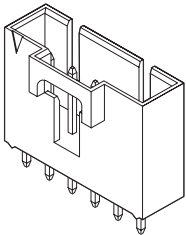
2.54mm (.100") Pitch

SL™

Wire-to-Board Shrouded Header

70543

Single Row, .120" Pocket Vertical



Not For Use With C-Grid III™ Components

Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
2	70543-0036	70543-0001	70543-0106	Yes
3	70543-0037	70543-0002	70543-0107	
4	70543-0038	70543-0003	70543-0108	
5	70543-0039	70543-0004	70543-0109	
6	70543-0040	70543-0005	70543-0110	
7	70543-0041	70543-0006	70543-0111	
8	70543-0042	70543-0007	70543-0112	
9	70543-0043	70543-0008	70543-0113	
10	70543-0044	70543-0009	70543-0114	
11	70543-0045	70543-0010	70543-0115	
12	70543-0046	70543-0011	70543-0116	
13	70543-0047	70543-0012	70543-0117	

Features and Benefits

- 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

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

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

Circuits	Order No.			Lead-free
	150µ" Tin	15µ" Gold	30µ" Gold	
14	70543-0048	70543-0013	70543-0118	Yes
15	70543-0049	70543-0014	70543-0119	
16	70543-0050	70543-0015	70543-0120	
17	70543-0051	70543-0016	70543-0121	
18	70543-0052	70543-0017	70543-0122	
19	70543-0053	70543-0018	70543-0123	
20	70543-0054	70543-0019	70543-0124	
21	70543-0055	70543-0020	70543-0125	
22	70543-0056	70543-0021	70543-0126	
23	70543-0057	70543-0022	70543-0127	
24	70543-0058	70543-0023	70543-0128	
25	70543-0059	70543-0024	70543-0129	



PRODUCT SPECIFICATION



LANGUAGE

ENGLISH

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REV									
SHT									
REVISE ON PC ONLY			TITLE				PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR-(SL) CONNECTOR SYSTEM		
F	ADD PROCESS TEMPERATURE UDT2002-1016 RSFOX 2/13/02		THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
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DESIGN CONTROL LISLE		STATUS	WRITTEN BY: FOX	CHECKED BY: STILES	APPROVED BY: BRINKMAN	DATE: YR / MO / DAY 99/11/16			
DOCUMENT NO. PS – 70400						FILE NAME PS-70400.LWP	SHT NO. 1 OF 14		
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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, 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): Black Glass Filled Polyester, UL 94V-0

2.2.7 Terminals: (70021, 70058): Phosphor Bronze

2.2.7 Plating: Gold and tin/Lead

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

or

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

2.2.7.2 Tin: 150 μ -in. min. Tin/Lead 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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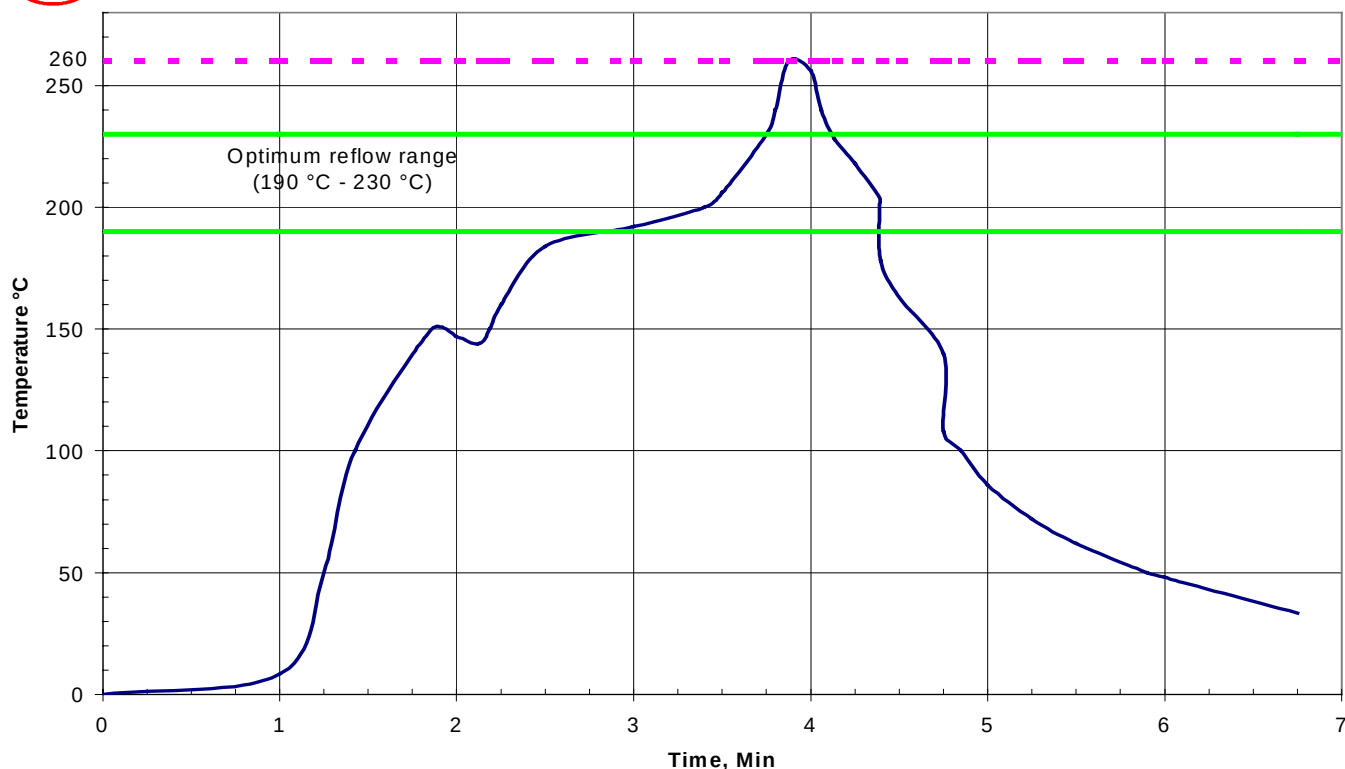
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Temperature vs. Time

Series: 70543, 70541, 70545, 70553, 70551, 70555, 70634, 74190, 70563, 70565, 70573, and 70575



F	REVISE ON PC ONLY		TITLE	PRODUCT SPECIFICATION				
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	REV	DESCRIPTION	LINEAR (SL) CONNECTOR SYSTEM			THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
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PRODUCT SPECIFICATION



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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 ± 6 mm ($1 \pm 1/4$ 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 ± 6 mm ($1 \pm 1/4$ 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 ± 6 mm ($1 \pm 1/4$ 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 ± 6 mm ($1 \pm 1/4$ inch) per minute.	Pullout force - 75% tensile strength of wire, minimum.
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm 1/4$ 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 of 25 ± 6 mm ($1 \pm 1/4$ 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.

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PRODUCT SPECIFICATION



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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: <table><tr><td>Temperature °C</td><td>Duration (Min)</td></tr><tr><td>-40 +0/-3</td><td>30</td></tr><tr><td>+25 +/-10</td><td>5 Max</td></tr><tr><td>+105 +3/-0</td><td>30</td></tr><tr><td>+25 +/-10</td><td>5 Max</td></tr><tr><td>-40 +0/-3</td><td>30</td></tr></table>	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
Temperature °C	Duration (Min)													
-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												
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: <table><tr><td>Temperature °C</td><td>Duration (Min)</td></tr><tr><td>+25 ± 10</td><td>5 maximum</td></tr><tr><td>+65 +3/-0</td><td>15 maximum</td></tr></table> Note: Remove surface moisture and air dry for one hour prior to measurements.	Temperature °C	Duration (Min)	+25 ± 10	5 maximum	+65 +3/-0	15 maximum	Appearance: No Damage Contact Resistance: 10 milliohms maximum change from initial. Dielectric Withstanding Voltage: No Breakdown Insulation Resistance: 1000 Megohms Minimum						
Temperature °C	Duration (Min)													
+25 ± 10	5 maximum													
+65 +3/-0	15 maximum													

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DESCRIPTION

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Item	Test Condition	Requirement
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: $245 \pm 5^\circ\text{C}$ 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 , $70 \pm 1\%$ 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: $260 \pm 5^\circ\text{C}$ 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.

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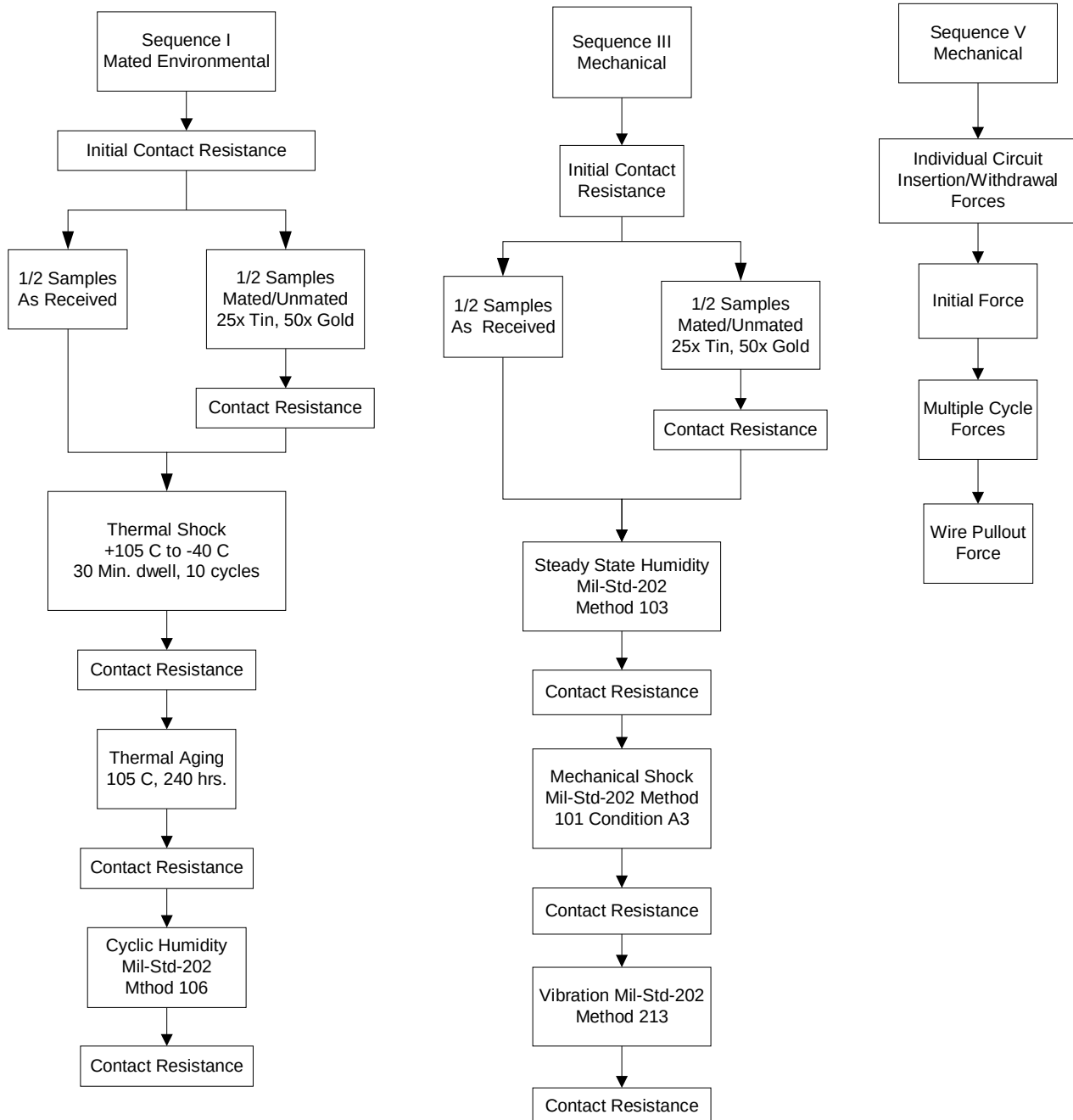


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PRODUCT SPECIFICATION



LANGUAGE

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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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PRODUCT SPECIFICATION



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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	PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM	
F	ADD PROCESS TEMPERATURE UDT2002-1016 RSFOX 2/13/02			
	REV		DESCRIPTION	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
DOCUMENT NO. PS - 70400			FILE NAME	SHEET 13
BORDER TEMPLATE: ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.LWP				



PRODUCT SPECIFICATION



LANGUAGE

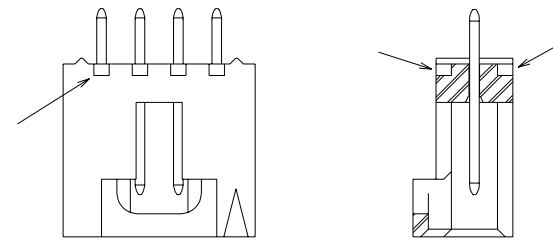
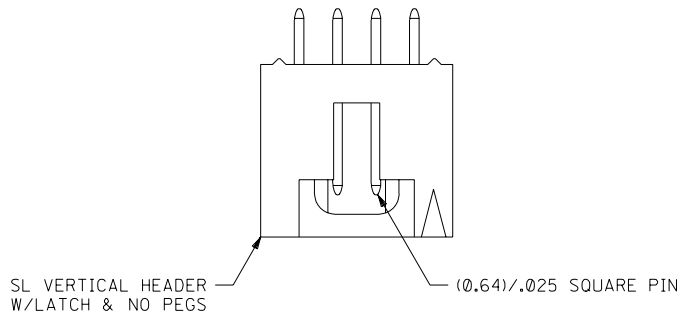
ENGLISH

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			

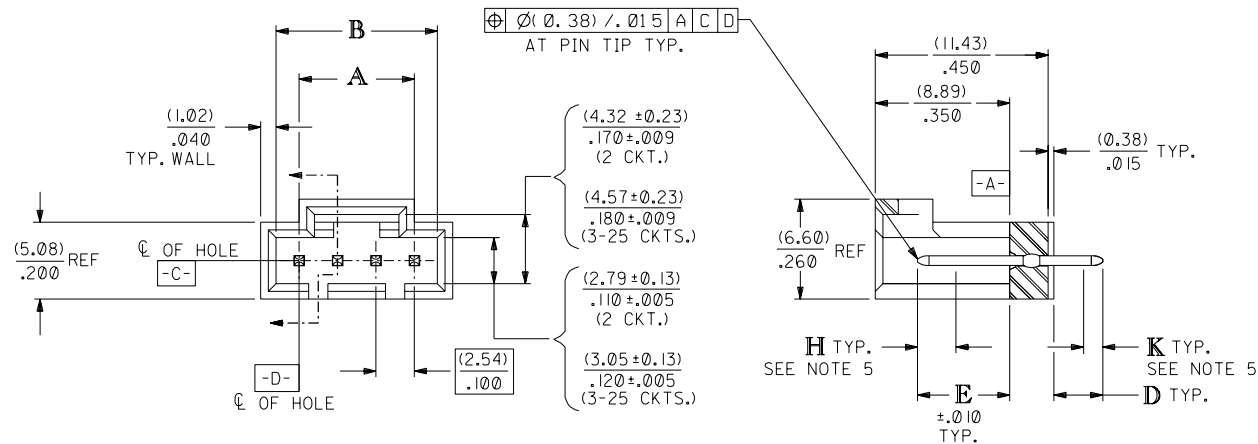
9.5 MISCELLANEOUS:

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		

F	REVISE ON PC ONLY		TITLE	PRODUCT SPECIFICATION SINGLE ROW – STACKABLE LINEAR (SL) CONNECTOR SYSTEM		
	ADD PROCESS TEMPERATURE UDT2002-1016 RSFOX 2/13/02					
	REV	DESCRIPTION	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DOCUMENT NO. PS - 70400				FILE NAME	SHEET 14	
BORDER TEMPLATE: ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.LWP						



CKT. SIZE	DIM. "A"		DIM. "B"	
	MM	IN.	MM	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



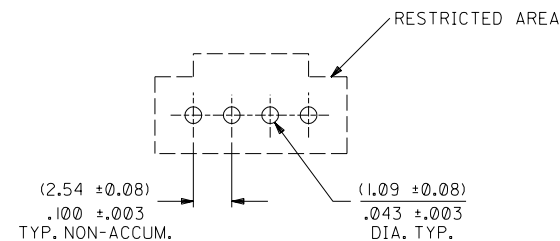
NOTES:

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 PER PK-70873-0014.
5. MEASURE POINT FOR PLATING THICKNESS.

PLATING:

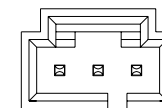
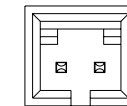
- TIN - .000150 MINIMUM TIN PLATE
OVER .000050 MINIMUM NICKEL PLATE.
- 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA,
.000075 MINIMUM TIN PLATE IN SELECT AREA,
OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA,
.000075 MINIMUM TIN PLATE IN SELECT AREA,
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)



	2	H
	1	H
MFG.	SH.	REV.

ADD LONGER TAILS ECN# UCP2003-0086 DMORGAN 02/07/16		DIMENSIONS SHOWN METRIC/INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$		$\nabla = 0$ $\blacktriangledown = 0$ REVISE ONLY ON CAD SYSTEM	
UPDATE REVISION PER UDT2001-1382 BSMART 01/05/30		INCH METRIC 3 PLACE $\pm .005$ 2 PLACE $\pm .01$ ± 0.13 1 PLACE ± 0.25		TITLE SALES ASSY, SL VERTICAL HEADER W/LATCH & NO PEGS (2.54/1.00 CENTERS)	
LEAD FREE UCP2004-1769 RWHITE 04/03/25		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED LITTLE ROCK, AR 69532	
SHEET NO. 1 OF 2 DATE 09/22/87		PART NO. SDA-70543		DRWG. NO. SDA-70543-****	
FILE NAME 570543X1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. 01 SIZE	

I3		I2		I1		I0		9		8		7		6		70543		4		3		2		1				
CIRCUIT SIZE	ASSEMBLY ITEM NUMBER 70543	MANUFACTURE RELEASE STATUS				D REF.	E ± .010			CONNECTOR END PLATING			P.C. BOARD END PLATING															
										TYPE	H MEAS.		TYPE	K MEAS.														
2-25	-0001-0024	R.F.M.				(3.30) .130	(6.10) .240				15 GOLD	(2.54) .100		TIN	(1.27) .050													
2-25	-0036-0059	R.F.M.				(3.30) .130	(6.10) .240				TIN	(2.54) .100		TIN	(1.27) .050													
2-25	-0071-0094	R.F.M.				(3.81) .150	(6.10) .240				TIN	(2.54) .100		TIN	(1.27) .050													
2-25	-0106-0129	R.F.M.				(3.30) .130	(6.10) .240				30 GOLD	(2.54) .100		TIN	(1.27) .050													
2-25	-0141-0164	R.F.M.				(2.54) .100	(6.10) .240				15 GOLD	(3.94) .155		TIN	(1.27) .050													
2-25	-0165-0188	R.F.M.				(3.81) .150	(6.10) .240				30 GOLD	(2.54) .100		TIN	(1.27) .050													
2-25	-0200-0223	R.F.M.				(3.81) .150	(6.10) .240				15 GOLD	(2.54) .100		TIN	(1.27) .050													
2-25	-0248-0271	R.F.M.				(4.06) .160	(6.10) .240				TIN	(2.54) .100		TIN	(1.27) .050													
2-25	-0272-0295	R.F.M.				(4.06) .160	(6.10) .240				15 GOLD	(2.54) .100		TIN	(1.27) .050													
2-25	-0296-0319	R.F.M.				(4.06) .160	(6.10) .240				30 GOLD	(2.54) .100		TIN	(1.27) .050													
CIRCUIT SIZE	ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		ASSEMBLY ITEM NUMBER		CIRCUIT SIZE					
2		70543-0001		70543-0036		70543-0071		70543-0106		70543-0141		70543-0165		70543-0200		70543-0248		70543-0272		70543-0296		2						
3		70543-0002		70543-0037		70543-0072		70543-0107		70543-0142		70543-0166		70543-0201		70543-0249		70543-0273		70543-0297		3						
4		70543-0003		70543-0038		70543-0073		70543-0108		70543-0143		70543-0167		70543-0202		70543-0250		70543-0274		70543-0298		4						
5		70543-0004		70543-0039		70543-0074		70543-0109		70543-0144		70543-0168		70543-0203		70543-0251		70543-0275		70543-0299		5						
6		70543-0005		70543-0040		70543-0075		70543-0110		70543-0145		70543-0169		70543-0204		70543-0252		70543-0276		70543-0300		6						
7		70543-0006		70543-0041		70543-0076		70543-0111		70543-0146		70543-0170		70543-0205		70543-0253		70543-0277		70543-0301		7						
8		70543-0007		70543-0042		70543-0077		70543-0112		70543-0147		70543-0171		70543-0206		70543-0254		70543-0278		70543-0302		8						
9		70543-0008		70543-0043		70543-0078		70543-0113		70543-0148		70543-0172		70543-0207		70543-0255		70543-0279		70543-0303		9						
10		70543-0009		70543-0044		70543-0079		70543-0114		70543-0149		70543-0173		70543-0208		70543-0256		70543-0280		70543-0304		10						
11		70543-0010		70543-0045		70543-0080		70543-0115		70543-0150		70543-0174		70543-0209		70543-0257		70543-0281		70543-0305		11						
12		70543-0011		70543-0046		70543-0081		70543-0116		70543-0151		70543-0175		70543-0210		70543-0258		70543-0282		70543-0306		12						
13		70543-0012		70543-0047		70543-0082		70543-0117		70543-0152		70543-0176		70543-0211		70543-0259		70543-0283		70543-0307		13						
14		70543-0013		70543-0048		70543-0083		70543-0118		70543-0153		70543-0177		70543-0212		70543-0260		70543-0284		70543-0308		14						
15		70543-0014		70543-0049		70543-0084		70543-0119		70543-0154		70543-0178		70543-0213		70543-0261		70543-0285		70543-0309		15						
16		70543-0015		70543-0050		70543-0085		70543-0120		70543-0155		70543-0179		70543-0214		70543-0262		70543-0286		70543-0310		16						
17		70543-0016		70543-0051		70543-0086		70543-0121		70543-0156		70543-0180		70543-0215		70543-0263		70543-0287		70543-0311		17						
18		70543-0017		70543-0052		70543-0087		70543-0122		70543-0157		70543-0181		70543-0216		70543-0264		70543-0288		70543-0312		18						
19		70543-0018		70543-0053		70543-0088		70543-0123		70543-0158		70543-0182		70543-0217		70543-0265		70543-0289		70543-0313		19						
20		70543-0019		70543-0054		70543-0089		70543-0124		70543-0159		70543-0183		70543-0218		70543-0266		70543-0290		70543-0314		20						
21		70543-0020		70543-0055		70543-0090		70543-0125		70543-0160		70543-0184		70543-0219		70543-0267		70543-0291		70543-0315		21						
22		70543-0021		70543-0056		70543-0091		70543-0126		70543-0161		70543-0185		70543-0220		70543-0268		70543-0292		70543-0316		22						
23		70543-0022		70543-0057		70543-0092		70543-0127		70543-0162		70543-0186		70543-0221		70543-0269		70543-0293		70543-0317		23						
24		70543-0023		70543-0058		70543-0093		70543-0128		70543-0163		70543-0187		70543-0222		70543-0270		70543-0294		70543-0318		24						
25		70543-0024		70543-0059		70543-0094		70543-0129		70543-0164		70543-0188		70543-0223		70543-0271		70543-0295		70543-0319		25						
X IN COLUMN UNDER "ASSEMBLY ITEM NUMBER" HEADING DENOTES TOOLING NOT AVAILABLE																												
														H	SEE SHEET I	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM										
														G	SEE SHEET I	INCH METRIC 3 PLACE ± .005 2 PLACE ± .01 ± 0.13 1 PLACE ± 0.25		TITLE SALES ASSY, SL VERTICAL HEADER W/LATCH & NO PEGS (2.54)/.100 CENTERS		SHEET NO. U.S.A. 2		DATE 09/23/87		PART NO. MOLEX INCORPORATED LITSE,ILL. 60532		DRWG. NO. SDA-70543-*****		
														F	SEE SHEET I													
														E	SEE SHEET I													
														CI	SEE SHEET I													
														B	SEE SHEET I													
														A	SEE SHEET I													
												LTR.	REVISIONS	LTR.	REVISIONS	DRWG. BY WAZ	CHK'D. BY MJM	FILE NAME 570543X2	SCALE :	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DIV. MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DA	C					
I3		I2		I1		I0		9		8		7		6		5		4		3		2		1				