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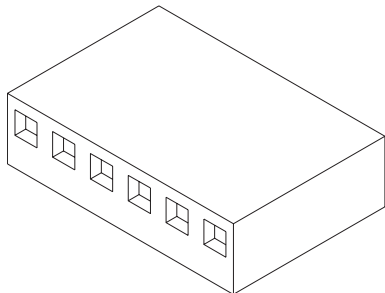
JAMECO[®]
ELECTRONICS

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Jameco Part Number 1960880

3.96mm (.156") Pitch KK[®] Crimp Terminal Housing 41695



Features and Benefits

- Sizes 2 to 20 circuits
- Locking ramp feature available
- Polarizing rib feature available for side-to-side polarization
- Offset pin entry holes provide 180° polarization
- Accepts entire line of .156" contacts
- Optional voids available

Reference Information

Product Specification: PS-08-50
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: Molex KK 3.96mm (.156") pitch headers or 1.14mm (.045") pins
 Use With: 2478, 2578, 6838 and 7258 terminals
 Designed In: Inches

Electrical

Voltage: 250V AC max.
 Current: Phosphor Bronze—7.0A max.
 Brass—5.0A max.
 Dielectric Withstanding Voltage: 1500V AC
 Insulation Resistance: 500K Megohms min.

Mechanical

Contact Insertion Force: 1.8kg (4 lb) max.
 Contact Retention to Housing: 3.6kg (8 lb) min.
 Mating Force: Square pin—2.25 lb max.
 Round pin—1.60 lb max.
 Unmating Force: Square pin—0.84 lb min.
 Round pin—0.60 lb min.
 Normal Force: 0.75kg (1.65 lb)
 Durability: 25 cycles max.

Physical

Housing: Polyester, UL 94V-0
 Operating Temperature: 0 to +75°C

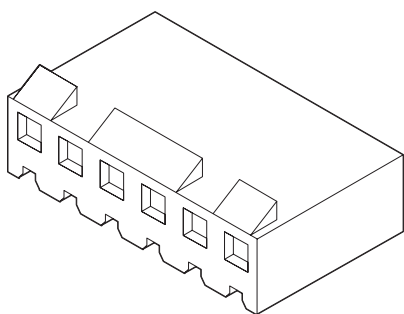
Circuits	Order No.		
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only
2	09-50-8023	09-50-8020	09-50-8021
3	09-50-8033	09-50-8030	09-50-8031
4	09-50-8043	09-50-8040	09-50-8041
5	09-50-8053	09-50-8050	09-50-8051
6	09-50-8063	09-50-8060	09-50-8061
7	09-50-8073	09-50-8070	09-50-8071
8	09-50-8083	09-50-8080	09-50-8081
9	09-50-8093	09-50-8090	09-50-8091
10	09-50-8103	09-50-8100	09-50-8101
11	09-50-8113	09-50-8110	09-50-8111

Note: When mating polarizing rib version with breakaway friction lock header or polarizing wall series, the end friction lock or polarizing wall of header must be removed.

Circuits	Order No.		
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only
12	09-50-8123	09-50-8120	09-50-8121
13	09-50-8133	09-50-8130	09-50-8131
14	09-50-8143	09-50-8140	09-50-8141
15	09-50-8153	09-50-8150	09-50-8151
16	09-50-8163	09-50-8160	09-50-8161
17	09-50-8173	09-50-8170	09-50-8171
18	09-50-8183	09-50-8180	09-50-8181
19	09-50-8193	09-50-8190	09-50-8191
20	09-50-8203	09-50-8200	09-50-8201

Polarizing Key	Order No.
	15-04-0297

3.96mm (.156") Pitch KK[®] Crimp Terminal Housing 2139



Features and Benefits

- Sizes 2 to 24 circuits
- Locking ramp available
- Molded void options available
- Standard ramp options available
- Polarizing pegs and keys available
- End-to-end stackable

Reference Information

Product Specification: PS-08-50
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: Molex KK 3.96mm (.156") pitch headers or 1.14mm (.045") pins
 Use With: 2478 and 2578
 Designed In: Inches

Electrical

Voltage: 250V AC max.
 Current: Phosphor Bronze—7.0A max.
 Brass—5.0A max.
 Dielectric Withstanding Voltage: 1500V AC
 Insulation Resistance: 50K Megohms min.

Mechanical

Contact Insertion Force: 1.8kg (4 lb) max.
 Contact Retention to Housing: 3.6kg (8 lb) min.
 Mating Force: Square pin—2.25 lb max.
 Round pin—1.60 lb max.
 Unmating Force: Square pin—0.84 lb min.
 Round pin—0.60 lb min.
 Normal Force: 0.75kg (1.65 lb)

Physical

Housing: Nylon, UL 94V-2 (see 41695 for UL 94V-0 polyester)
 Operating Temperature: 0 to +75°C

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
2	09-50-7021	09-50-3021
3	09-50-7031	09-50-3031
4	09-50-7041	09-50-3041
5	09-50-7051	09-50-3051
6	09-50-7061	09-50-3061
7	09-50-7071	09-50-3071
8	09-50-7081	09-50-3081
9	09-50-7091	09-50-3091

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
10	09-50-7101	09-50-3101
11	09-50-7111	09-50-3111
12	09-50-7121	09-50-3121
13	09-50-7131	09-50-3131
14	09-50-7141	09-50-3141
15	09-50-7151	09-50-3151
16	09-50-7161	09-50-3161
17	09-50-7171	09-50-3171

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
18	09-50-7181	09-50-3181
19	09-50-7191	09-50-3191
20	09-50-7201	09-50-3201
21	09-50-7211	09-50-3211
22	09-50-7221	09-50-3221
23	09-50-7231	09-50-3231
24	09-50-7241	09-50-3241

Polarizing Key	Order No.
	15-04-0219
Polarizing Peg	15-04-0220

Note: Use 41695 for .100" and over insulation diameter wire





PRODUCT SPECIFICATION

1.0 SCOPE

This Product Specification covers the 3.96 mm (.156 inch) centerline (pitch) 1.14mm (.045) square pin headers when mated with either printed circuit board (PCB) connectors or connectors terminated with 18 to 26 AWG wire using crimp technology.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 2478,2578,2878,2477,

Crimp Housings: 2139, 41695

PCB Connectors: 2145, 41815

Headers: 41771, 41772, 41791, 41792, 42471, 42472, 42491, 42492, 41661, 41662, 41671, 61672, 41681, 41682

Other products conforming to this specification are noted on the individual drawings.

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Terminal Material: Brass or Phos. Bronze (for Max performance use phos bronze material.)

Housing: Nylon or Polyester

Pins: Brass or Phos. Bronze

For more information on dimensions, materials, and plating see the individual drawings.

2.3 SAFETY AGENCY APPROVALS

UL File Number E29179

CSALR19980

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

3.1 PS-45499-002 COSMETIC SPECIFICATION

4.0 RATINGS

4.1 VOLTAGE

250 Volts

4.2 CURRENT (Current is dependent on connector size, contact material, plating, ambient temperature, printed circuit board characteristics and related factors. Actual current rating is application dependent and should be evaluated for each application.)

a. For Crimp Terminals- and Applicable Wires

Wire Awg	Amps (Max) With Brass	Amps (Max) With Phos Bronze	Wire Insulation Dia
18	5.00	7.00	See terminal drawings
20	4.75	6.25	See terminal drawings
22	4.50	5.50	See terminal drawings
24	4.25	5.00	See terminal drawings
26	4.00	4.50	See terminal drawings

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DOCUMENT NUMBER: PS-08-50	CREATED / REVISED BY: ADERR	CHECKED BY: JBELL	APPROVED BY: FSMITH



PRODUCT SPECIFICATION

4.2 CURRENT (cont)

b. For Printed Circuit Board Connectors

Connector Style	Amps (Max) With Brass	Amps (Max) With Phos Bronze
Top Entry	4.50	5.00
Right Angle	4.50	5.00
Bottom Entry	4.00	4.50

4.3 TEMPERATURE (ambient + 30°C temp rise)

	Brass	Phos Bronze
Operating Temperature	0°C to +50°C	0°C to +75°C
Non Operating Temperature	-40°C to +105°C	-40°C to +105°C

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.	10 milliohms MAXIMUM [initial]
Contact Resistance of Wire Termination (Low Level)	Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA.	2 milliohms MAXIMUM [initial]
Insulation Resistance	Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
Dielectric Withstanding Voltage	Unmate connectors: apply a voltage of {two times the rated voltage plus 1000 volts} VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown
Capacitance	Measure between adjacent terminals at 1 MHz.	1.2 picofarads MAXIMUM
Temperature Rise (via Current Cycling)	Mate connectors: measure the temperature rise at the rated current after: 1) 96 hours (steady state) 2) 240 hours (45 minutes ON and 15 minutes OFF per hour) 3) 96 hours (steady state)	Temperature rise: +30°C MAXIMUM

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PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Connector Mate and Unmate Forces	Per circuit when mated to a .045 Sq. pin. Mate and unmate connector (male to female) at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	<u>Without Friction Lock</u> 9.4 N (2.12 lbf) MAXIMUM insertion force & 1.8 N (0.40 lbf) MINIMUM withdrawal force
		<u>With Friction Lock</u> 10.7 N (2.40 lbf) MAXIMUM insertion force & 4.0 N (0.90 lbf) MINIMUM withdrawal force
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Forces will change with platings and materials.)	17.8 N (4.0 lbf) MAXIMUM insertion force
Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Forces will change with platings and materials.)	35.6 N (8.0 lbf) MINIMUM withdrawal force
Durability	Mate connectors up to 25 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	10 milliohms MAXIMUM (change from initial)
Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
Shock (Mechanical)	Mate connectors and shock at 50 g's with ½ sine wave (11 milliseconds) shocks in the ±X,±Y,±Z axes (18 shocks total).	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (For maximum performance use Molex application tooling with stranded tinned copper wire)	18 awg = 89 N (20 lbf) 20 awg = 66 N (15 lbf) 22 awg = 53 N (12 lbf) 24 awg = 35 N (8 lbf) 26 awg = 22 N (5 lbf)
Normal Force	Apply a perpendicular force.	7.34 N (748 grams) average

REVISION: R3	ECR/ECN INFORMATION: EC No: UCP2008-1760 DATE: 2008/01/30	TITLE: PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	SHEET No. 3 of 5
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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT										
Shock (Thermal)	Mate connectors; expose to 5 cycles of: <table border="1"> <thead> <tr> <th>Temperature °C</th> <th>Duration (Minutes)</th> </tr> </thead> <tbody> <tr> <td>-40 +0/-3</td> <td>30</td> </tr> <tr> <td>+25 ±10</td> <td>5 MAXIMUM</td> </tr> <tr> <td>+105 +3/-0</td> <td>30</td> </tr> <tr> <td>+25 ±10</td> <td>5 MAXIMUM</td> </tr> </tbody> </table>	Temperature °C	Duration (Minutes)	-40 +0/-3	30	+25 ±10	5 MAXIMUM	+105 +3/-0	30	+25 ±10	5 MAXIMUM	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Temperature °C	Duration (Minutes)											
-40 +0/-3	30											
+25 ±10	5 MAXIMUM											
+105 +3/-0	30											
+25 ±10	5 MAXIMUM											
Thermal Aging	Mate connectors; expose to: 96 hours at 105 ± 2°C	10 milliohms MAXIMUM (change from initial]) & Visual: No Damage										
Humidity (Steady State)	Mate connectors: expose to a temperature of 40 ± 2°C with a relative humidity of 90-95% for 96 hours. Note: Remove surface moisture and air dry for 1 hour prior to measurements.	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM & Visual: No Damage										
Humidity (Cyclic)	Mate connectors: cycle per EIA-364-31: 24 cycles at temperature 25 ± 3°C at 80 ± 5% relative humidity and 65 ± 3°C at 50 ± 5% relative humidity; dwell time of 1.0 hour; ramp time of 0.5 hours. {Note: Remove surface moisture and air dry for 1 hour prior to measurements.}	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 1000 Megohms MINIMUM & Visual: No Damage										
Solderability	Per SMES-152	Solder coverage: 95% MINIMUM (per SMES-152)										

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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Solder Resistance	Dip connector terminal tails in solder: Solder Duration: 5 ± 0.5 seconds; Solder Temperature: $230 \pm 5^\circ\text{C}$	Visual: No Damage to insulator material
Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: $-40 \pm 3^\circ\text{C}$	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Corrosive Atmosphere: Flowing Mixed Gas (FMG)	Mate connectors: Test per EIA-364-65, method 2A	10 milliohms MAXIMUM (change from initial) & Visual: No Damage

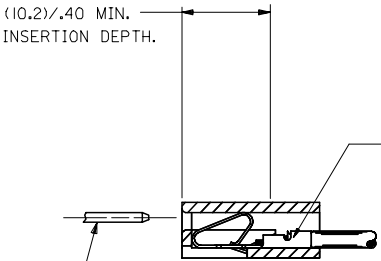
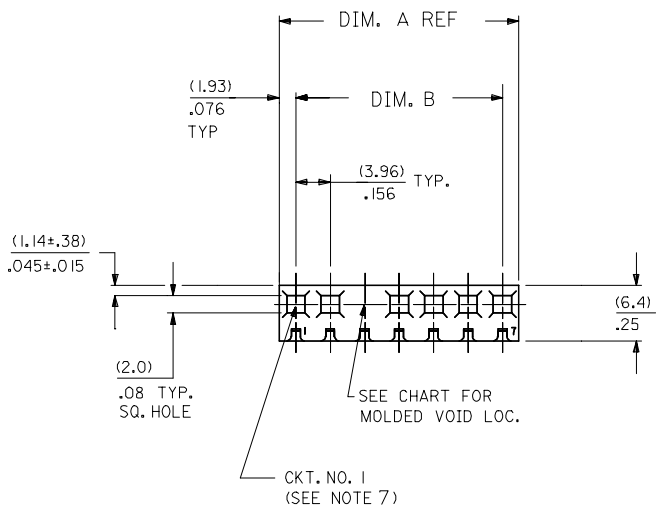
6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

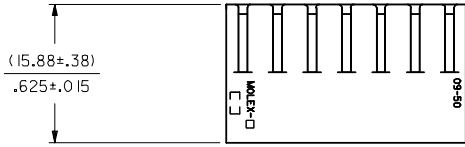
7.0 GAGES AND FIXTURES

8.0 OTHER

REVISION: R3	ECR/ECN INFORMATION: EC No: UCP2008-1760 DATE: 2008/01/30	TITLE: PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	SHEET No. 5 of 5
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(1.14)±.045 SQ. OR ROUND PIN IS STANDARD. HOUSING WILL ACCEPT PIN SIZES FROM (.51)±.020 TO (1.57)±.062



OPT. CODE	RAMP	POL. RIB	EARS	MATERIAL	ENGRAVING	PACKAGING
A	STD. RAMP	NO	NO	NYLON 94V-2	STD.	PK-2139-001
C	NONE	NO	NO	NYLON 94V-2	STD.	PK-2139-002
G	WIDE RAMP	NO	NO	NYLON 94V-2	STD.	PK-2139-001
M	STD. RAMP	NO	NO	NYLON 6 94V-2	STD.	TBD-INDIA
N	NONE	NO	NO	NYLON 6 94V-2	STD.	TBD-INDIA
P	STD. RAMP	YES	NO	NYLON 94V-2	STD.	TBD SINGAPORE

NO. OF CKT'S. 2 139-N *** - *** - ***

SELECTIVE RAMP LOC.
 BLANK=NONE
 AA=1ST. SEL. LOC.
 AB=2ND. SEL. LOC., ETC.

VOID CODE
 NO. CORRESPONDS TO CKT. NO. VOIDED.
 MULT. VOIDS START WITH 51.

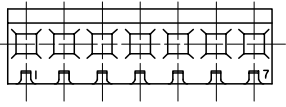
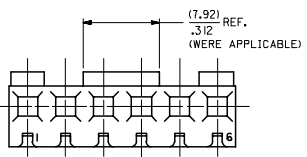
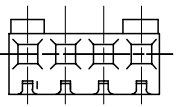
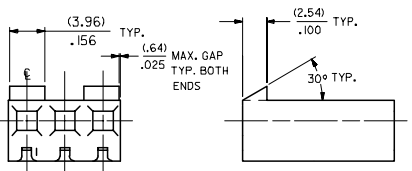
COLOR CODE
 BLANK=NATURAL
 GN=GREEN
 YW=YELLOW
 RD=RED
 OR=ORNANGE
 BU=BLUE
 BK=BLACK

SEE NOTE 6

DIM. A	DIM. B	NO. OF
(7.82)	(3.96±.13)	2
.308	.156±.005	
(11.79)	(7.92±.13)	3
.464	.312±.005	
(15.75)	(11.89±.13)	4
.620	.468±.005	
(19.71)	(15.85±.13)	5
.776	.624±.005	
(23.67)	(19.81±.13)	6
.932	.780±.005	
(27.64)	(23.77±.13)	7
1.088	.936±.005	
(31.60)	(27.74±.25)	8
1.244	1.092±.010	
(35.56)	(31.70±.25)	9
1.400	1.248±.010	
(39.52)	(35.66±.25)	10
1.556	1.404±.010	
(43.48)	(39.62±.25)	11
1.712	1.560±.010	
(47.45)	(43.59±.25)	12
1.868	1.716±.010	
(51.41)	(47.55±.31)	13
2.024	1.872±.012	
(55.37)	(51.51±.36)	14
2.180	2.028±.014	
(59.33)	(55.47±.36)	15
2.336	2.184±.014	
(63.30)	(59.44±.36)	16
2.492	2.340±.014	
(67.26)	(63.40±.36)	17
2.648	2.496±.014	
(71.22)	(67.36±.36)	18
2.804	2.652±.014	
(75.18)	(71.32±.36)	19
2.960	2.808±.014	
(79.15)	(75.29±.36)	20
3.116	2.964±.014	
(83.11)	(79.25±.46)	21
3.272	3.120±.018	
(87.07)	(83.21±.46)	22
3.428	3.276±.018	
(91.03)	(87.17±.46)	23
3.584	3.432±.018	
(95.00)	(91.14±.46)	24
3.740	3.588±.018	

- NOTES:
- MATERIAL: SEE LEGEND.
 - FINISH: N/A
 - PARTS CONFORM TO PRODUCT SPECIFICATION PS-08-50.
 - PACKAGING INFORMATION: SEE LEGEND
 - THIS HOUSING FOR USE WITH TERMINAL NO. 2478 (18 TO 24 GA) & 2578 (22 TO 26 GA), WITH (2.54)±.100 MAX. INSULATION DIA. HOUSING 41695 IS RECOMMENDED FOR OVER (2.54)±.100 DIA. INSULATION.
 - DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
 - FIRST CKT. NO. ON 1 THRU 5 CKT. HOUSINGS, FIRST AND LAST CKT. NO. ON 6 CKT HOUSING AND LARGER.
 - MAX BOW .005 MM/MM OR .005 IN/IN
 - 2139-NP-* IS MANUFACTURED IN SINGAPORE ONLY.

UPDATE PER ECN EC NO: UCP2006-0451 2005/11/09 DRAWN: JUNE 2005/12/12 CHECKED: JUNE 2005/12/12 APPROVED: JUNE 2005/12/12 APPROVAL: JUNE 2005/12/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 2 PLACES ±.010 ±.010 3 PLACES ±.010 ±.010 2 PLACES ±0.25 ±.014 1 PLACE ±0.36 ±.014 ANGULAR ±1/2°	DIMENSION STYLE MM/IN DRAWN BY DATE SAMIEC 1986/01/17 CHECKED BY DATE PATEL 1986/01/17 APPROVED BY DATE LENZ 1986/01/07	SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE CONNECTOR HOUSING .156 CL CRIMP TERMINAL 2139 SERIES DWG. MOLEX INCORPORATED	SHEET NO. 1 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-2139	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



NO. OF CKT'S.	STANDARD RAMP IS LOCATED ON # OF CKT. NOS.
2	ACROSS ENTIRE PART
3	1,3
4	1,4
5	1,3,5
6	1,3,4,6
7	ACROSS ENTIRE PART
8	1,3,6,8
9	ACROSS ENTIRE PART
10	1,3,5,6,8,10
11	ACROSS ENTIRE PART
12	1,3,5,8,10,12
13	1,3,5,7,9,11,13
14	1,3,5,7,8,10,12,14
15	1,3,5,7,9,11,13,15
16	1,3,5,7,10,12,14,16
17	1,3,5,7,9,11,13,15,17
18	1,3,5,7,9,10,12,14,16,18
19	1,3,5,7,9,11,13,15,17,19
20	1,3,5,7,9,12,14,16,18,20
21	1,3,5,7,9,11,13,15,17,19,21
22	1,3,5,7,9,11,12,14,16,18,20,22
23	1,3,5,7,9,11,13,15,17,19,21,23
24	1,3,5,7,9,11,14,16,18,20,22,24

STD. RAMP OPTION
SEE CHART FOR RAMP LOCATIONS.

2139-NA-*			2139-NC-*		
ORDER NO.	ENG. NO.	VOIDS	ORDER NO.	ENG. NO.	VOIDS
09-50-3021	2139-2A		09-50-7021	2139-2C	
09-50-3031	2139-3A		09-50-7031	2139-3C	
09-50-3041	2139-4A		09-50-7041	2139-4C	
09-50-3051	2139-5A		09-50-7051	2139-5C	
09-50-3061	2139-6A		09-50-7061	2139-6C	
09-50-3071	2139-7A		09-50-7071	2139-7C	
09-50-3081	2139-8A		09-50-7081	2139-8C	
09-50-3091	2139-9A		09-50-7091	2139-9C	
09-50-3101	2139-10A		09-50-7101	2139-10C	
09-50-3111	2139-11A		09-50-7111	2139-11C	
09-50-3121	2139-12A		09-50-7121	2139-12C	
09-50-3131	2139-13A		09-50-7131	2139-13C	
09-50-3141	2139-14A		09-50-7141	2139-14C	
09-50-3151	2139-15A		09-50-7151	2139-15C	
09-50-3161	2139-16A		09-50-7161	2139-16C	
09-50-3171	2139-17A		09-50-7171	2139-17C	
09-50-3181	2139-18A		09-50-7181	2139-18C	
09-50-3191	2139-19A		09-50-7191	2139-19C	
09-50-3201	2139-20A		09-50-7201	2139-20C	
09-50-3211	2139-21A		09-50-7211	2139-21C	
09-50-3221	2139-22A		09-50-7221	2139-22C	
09-50-3231	2139-23A		09-50-7231	2139-23C	
09-50-3241	2139-24A		09-50-7241	2139-24C	
09-50-3036	2139-3A-2	2	09-50-7117	2139-11C-51	2,7,10
	2139-10A-2	2	09-50-7166	2139-16C-2	2
	2139-10A-51	2,5	09-50-7106	2139-10C-2	2
	2139-7A-2	2	09-50-7107	2139-10C-51	2,5
	2139-11A-51	2,7,10	09-50-7076	2139-7C-2	2
09-50-3163	2139-16A-2	2		2139-4C-3	3
09-50-3073	2139-10A-7	7	T 09-50-7108	2139-10C-4	4
09-50-3083	2139-10A-8	8	T 09-50-7109	2139-10C-5	5
09-50-3104	2139-10A-9	9		2139-5C-2	2
09-50-3162	2139-16A-51	2,15	09-50-3077	2139-7C-3	3
09-50-3092	2139-9A-51	2,6	09-50-3078	2139-7C-5	5
09-50-3075	2139-7A-51	1,7	09-50-7142	2139-14C-5	5
	2139-7A-6	6			
	2139-5A-51	2,4			
09-50-3047	2139-4A-3	3			
	2139-11A-2	2			
09-50-3052	2139-5A-4	4			
09-50-3076	2139-7A-52	4,7			
09-50-3125	2139-12A-5	5			
	2139-7A-3	3			
09-50-3053	2139-7A-5	5			
	2139-5A-2	2			
09-50-3127	2139-12A-2	2			
09-50-3143	2139-14A-2	2			
09-50-3202	2139-20A-2	2			
S	2139-9A-4	4			
09-50-3126	2139-12A-11	11			
09-50-3142	2139-14A-13	13			
09-50-3084	2139-8A-4	4			
09-50-3037	2139-3A-3	3			
09-50-3182	2139-18A-2	2			
09-50-3157	2139-15A-2	2			

UPDATE TITLE BLOCK DEC NO: UCP2006-0451 DRAWN: JUNE 2005/17/09 CHECKED: JUNE 2005/17/12 APPROVED: JUNE 2005/17/14 AFT	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2°	DIMENSION STYLE MM/IN	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		DRAWN BY: SAMIEC DATE: 1986/01/17 CHECKED BY: PATEL DATE: 1986/01/17 APPROVED BY: LENZ DATE: 1986/01/17	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-2139	SHEET NO. 2 OF 4	

CONNECTOR HOUSING FOR CRIMP TERMINAL 2139 SERIES DWG.
MOLEX INCORPORATED

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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