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ELECTRONICS

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Jameco Part Number 736747

FEATURES AND SPECIFICATIONS

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-08-20

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](#), [6438](#), [6838](#), [7258](#) and [8818](#) terminals

Designed In: Inches

Electrical

Voltage: 250V AC max.

Current: Phosphor Bronze—7.0A max.

Brass—5.0A max.

Contact Resistance: 6mΩ max.

Dielectric Withstanding Voltage: 1500V AC

Insulation Resistance: 500K MΩ 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

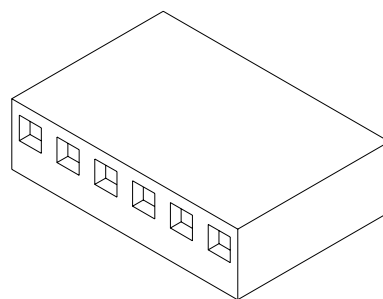
Housing: Polyester, UL 94V-0

Operating Temperature: 0 to +75°C

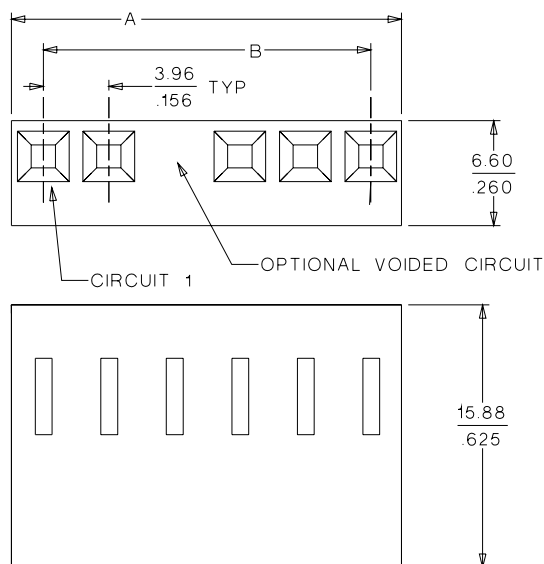


3.96mm (.156") Pitch KK® Crimp Terminal Housing

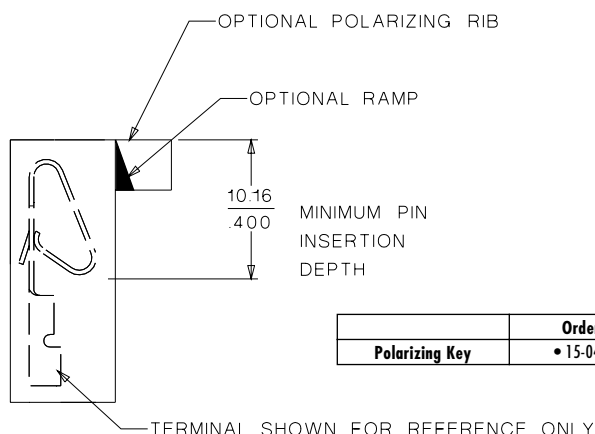
41695



CATALOG DRAWING (FOR REFERENCE ONLY)



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.



Polarizing Key	Order No.
	• 15-04-0297

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only	A	B
2	• 09-50-8023	• 09-50-8020	• 09-50-8021	8.79 (.346)	3.96 (.156)
3	• 09-50-8033	• 09-50-8030	• 09-50-8031	12.75 (.502)	7.92 (.312)
4	• 09-50-8043	• 09-50-8040	• 09-50-8041	16.71 (.658)	11.89 (.468)
5	• 09-50-8053	• 09-50-8050	• 09-50-8051	20.67 (.814)	15.85 (.624)
6	• 09-50-8063	• 09-50-8060	• 09-50-8061	24.64 (.970)	19.81 (.780)
7	• 09-50-8073	• 09-50-8070	• 09-50-8071	28.60 (1.126)	23.77 (.936)
8	• 09-50-8083	• 09-50-8080	• 09-50-8081	32.56 (1.282)	27.74 (1.092)
9	• 09-50-8093	• 09-50-8090	• 09-50-8091	36.53 (1.438)	31.70 (1.248)
10	• 09-50-8103	• 09-50-8100	• 09-50-8101	40.49 (1.594)	35.66 (1.404)
11	• 09-50-8113	• 09-50-8110	• 09-50-8111	44.45 (1.750)	39.62 (1.560)

• US Standard Product, available through Molex franchised distributors

Circuits	Order No.			Dimension	
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only	A	B
12	• 09-50-8123	• 09-50-8120	• 09-50-8121	48.41 (1.906)	43.59 (1.716)
13	• 09-50-8133	• 09-50-8130	• 09-50-8131	52.37 (2.062)	47.55 (1.872)
14	• 09-50-8143	• 09-50-8140	• 09-50-8141	56.34 (2.218)	51.51 (2.028)
15	• 09-50-8153	• 09-50-8150	• 09-50-8151	60.30 (2.374)	55.47 (2.184)
16	• 09-50-8163	• 09-50-8160	• 09-50-8161	64.26 (2.530)	59.44 (2.340)
17	• 09-50-8173	• 09-50-8170	• 09-50-8171	68.22 (2.686)	63.40 (2.496)
18	• 09-50-8183	• 09-50-8180	• 09-50-8181	72.19 (2.842)	67.36 (2.652)
19	• 09-50-8193	• 09-50-8190	• 09-50-8191	76.15 (2.998)	71.32 (2.808)
20	• 09-50-8203	• 09-50-8200	• 09-50-8201	80.11 (3.154)	75.28 (2.964)



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

None

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

REVISION: R	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	SHEET No. 1 of 5
DOCUMENT NUMBER: PS-08-50	CREATED / REVISED BY: SAMIEC	CHECKED BY: MUELLER	APPROVED BY: MARGULIS

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC



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

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
R	EC No: UCR2002-0299 DATE: 2001 / 09 / 18	PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	2 of 5
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-08-50	SAMIEC	MUELLER	MARGULIS



PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Connector Mate and Unmate Forces	Per circuit when mated to an .045 Sq. pin. Mate and unmate connector (male to female) at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch) per minute.	10.0 N (2.25 lbf) MAXIMUM insertion force & 3.7 N (0.84 lbf) MINIMUM withdrawal force
Terminal Insertion Force (into Housing)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm ($1 \pm \frac{1}{4}$ inch). (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 ($1 \pm \frac{1}{4}$ 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 $\frac{1}{2}$ sine wave (11 milliseconds) shocks in the $\pm X, \pm Y, \pm Z$ 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 ($1 \pm \frac{1}{4}$ inch). (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: R	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	SHEET No. 3 of 5
DOCUMENT NUMBER: PS-08-50	CREATED / REVISED BY: SAMIEC	CHECKED BY: MUELLER	APPROVED BY: MARGULIS

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC



PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT										
Shock (Thermal)	Mate connectors; expose to 5 cycles of: <table><tr><td><u>Temperature °C</u></td><td><u>Duration (Minutes)</u></td></tr><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></table>	<u>Temperature °C</u>	<u>Duration (Minutes)</u>	-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
<u>Temperature °C</u>	<u>Duration (Minutes)</u>											
-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)										

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
R	EC No: UCR2002-0299 DATE: 2001 / 09 / 18	PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	4 of 5
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-08-50	SAMIEC	MUELLER	MARGULIS



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
Salt Spray	Mate connectors: Duration: 48 hours exposure; Atmosphere: salt spray from a 5% solution; Temperature: $35 + 1/-2^{\circ}\text{C}$	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
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

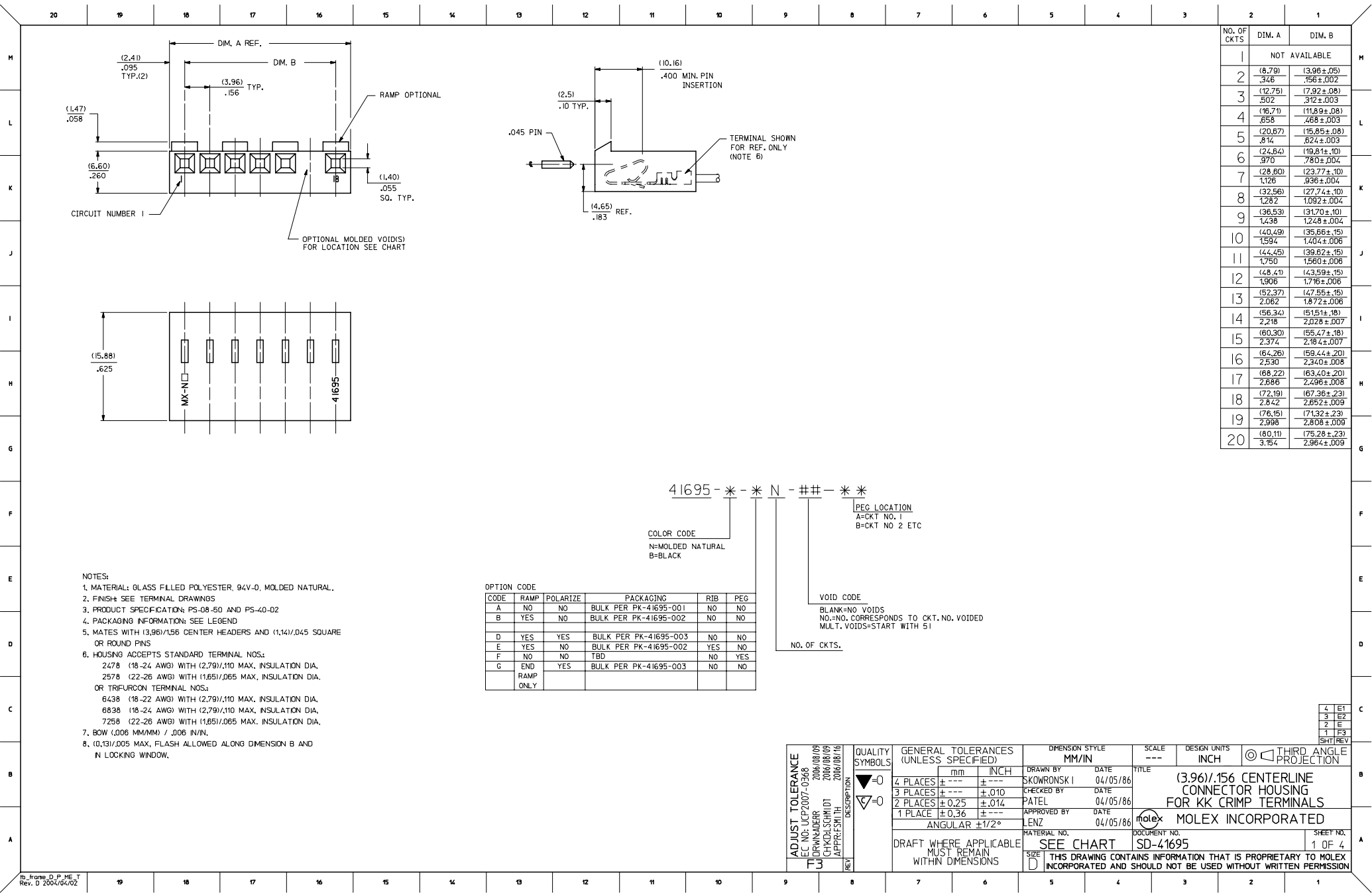
6.0 PACKAGING

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

7.0 GAGES AND FIXTURES

8.0 OTHER

REVISION: R	ECR/ECN INFORMATION: EC No: UCR2002-0299 DATE: 2001 / 09 / 18	TITLE: PRODUCT SPECIFICATION .156 CENTER KK CONNECTORS	SHEET No. 5 of 5
DOCUMENT NUMBER: PS-08-50	CREATED / REVISED BY: SAMIEC	CHECKED BY: MUELLER	APPROVED BY: MARGULIS



- NOTES:
1. MATERIAL: GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL.
 2. FINISH: SEE TERMINAL DRAWINGS
 3. PRODUCT SPECIFICATION: PS-08-50 AND PS-40-02
 4. PACKAGING INFORMATION: SEE LEGEND
 5. MATES WITH (3.96)/.156 CENTER HEADERS AND (1.14)/.045 SQUARE OR ROUND PINS
 6. HOUSING ACCEPTS STANDARD TERMINAL NOS.:
 - 2478 (18-24 AWG) WITH (2.79)/.110 MAX. INSULATION DIA.
 - 2578 (22-26 AWG) WITH (1.65)/.065 MAX. INSULATION DIA.OR TRIFURCON TERMINAL NOS.:
 - 6438 (18-22 AWG) WITH (2.79)/.110 MAX. INSULATION DIA.
 - 6838 (18-24 AWG) WITH (2.79)/.110 MAX. INSULATION DIA.
 - 7258 (22-26 AWG) WITH (1.65)/.065 MAX. INSULATION DIA.
 7. BOW (.006 MM/MM) / .006 IN/IN.
 8. (0.13)/.005 MAX. FLASH ALLOWED ALONG DIMENSION B AND N LOCKING WINDOW.

OPTION CODE					
CODE	RAMP	POLARIZE	PACKAGING	RIB	PEG
A	NO	NO	BULK PER PK-41695-001	NO	NO
B	YES	NO	BULK PER PK-41695-002	NO	NO
D	YES	YES	BULK PER PK-41695-003	NO	NO
E	YES	NO	BULK PER PK-41695-002	YES	NO
F	NO	NO	TBD	NO	YES
G	END RAMP ONLY	YES	BULK PER PK-41695-003	NO	NO

COLOR CODE
N=MOLDED NATURAL
B=BLACK

41695 - * - * N - # - * - *

PEG LOCATION
A=CKT NO. 1
B=CKT NO 2 ETC

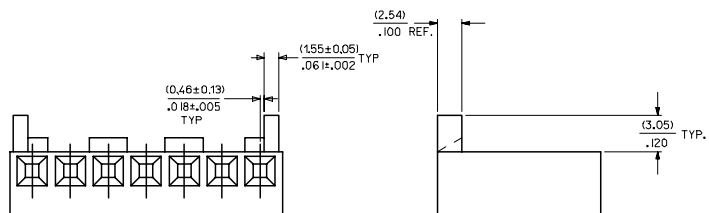
VOID CODE
BLANK=NO VOIDS
NO.=NO. CORRESPONDS TO CKT. NO. VOIDED
MULT. VOIDS=START WITH 51

ADJUST TOLERANCE EC NO: UCP/2007-0366 DRAWN BY: SKOWRONSKI CHECKED BY: PATEL APPROVED BY: LENZ DATE: 04/05/06 DATE: 04/05/06 DATE: 04/05/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	TITLE (3.96)/.156 CENTERLINE CONNECTOR HOUSING FOR KK CRIMP TERMINALS MOLEX INCORPORATED	SHEET NO. 1 OF 4				
		mm	INCH	DRAWN BY	DATE	DOCUMENT NO. SD-41695								
		4 PLACES ± .005	± .005	CHECKED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
		3 PLACES ± .010	± .010	APPROVED BY	DATE									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		2 PLACES ± 0.25	± .014											
		1 PLACE ± 0.36	± .014											
		ANGULAR ± 1/2°												

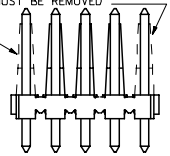
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M																					
L																					
K																					
J																					
I																					
H																					
G																					
F																					
E																					
D																					
C																					
B																					
A																					
	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		

OPTION CODE D

RAMP WITH POLARIZING PEGS (RIBS)



WHEN MATING VERSIONS D AND G WITH THE BREAKAWAY FRICTION LOCK HEADER SERIES OR THE POLARIZING HEADER SERIES THE END FRICTION LOCK OR POLARIZING WALL MUST BE REMOVED



WHEN MATING WITH BREAKAWAY HEADERS THE FRICTION LOCK WALL MUST BE REMOVED

41695-N-AN**						41695-N-BN**											
PART NO.		ENG. NO.		VOIDS		PART NO.		ENG. NO.		VOIDS		PART NO.		ENG. NO.		VOIDS	
		NOT AVAILABLE						NOT AVAILABLE									
09-50-8020		41695-N-A2				09-50-8021		41695-N-B2									
09-50-8030		41695-N-A3				09-50-8031		41695-N-B3									
09-50-8040		41695-N-A4				09-50-8041		41695-N-B4									
09-50-8050		41695-N-A5				09-50-8051		41695-N-B5									
09-50-8060		41695-N-A6				09-50-8061		41695-N-B6									
09-50-8070		41695-N-A7				09-50-8071		41695-N-B7									
09-50-8080		41695-N-A8				09-50-8081		41695-N-B8									
09-50-8090		41695-N-A9				09-50-8091		41695-N-B9									
09-50-8100		41695-N-A10				09-50-8101		41695-N-B10									
09-50-8110		41695-N-A11				09-50-8111		41695-N-B11									
09-50-8120		41695-N-A12				09-50-8121		41695-N-B12									
09-50-8130		41695-N-A13				09-50-8131		41695-N-B13									
09-50-8140		41695-N-A14				09-50-8141		41695-N-B14									
09-50-8150		41695-N-A15				09-50-8151		41695-N-B15									
09-50-8160		41695-N-A16				09-50-8161		41695-N-B16									
09-50-8170		41695-N-A17				09-50-8171		41695-N-B17									
09-50-8180		41695-N-A18				09-50-8181		41695-N-B18									
09-50-8190		41695-N-A19				09-50-8191		41695-N-B19									
09-50-8200		41695-N-A20				09-50-8201		41695-N-B20									
09-50-9085		41695-N-A8-2		2		09-50-9030		41695-N-B3-2		2							
41695-0001		41695-N-A6-3		3				41695-N-B5-2		2							
								41695-N-B9-2		2							
								41695-N-B11-2		2							
								41695-N-B12-2		2							
								41695-N-B14-2		2							
								41695-N-B15-14		14							
								41695-N-B6-5		5							
								41695-N-B7-6		6							
								41695-N-B7-2		2							
								41695-N-B4-3		3							
								41695-N-B9-7		7							
								41695-N-B14-13		13							
								41695-N-B13-5		5							
								41695-N-B13-8		8							
								41695-N-B5-51		2,4							
								41695-N-B6-3		3							
								41695-N-B8-2		2							

REVISE DIMENSIONS
EC NO: UCP2006-0162
DRAWN: JUNE 2005/07/29
CHKD: ADRI 2005/07/29
APPROVED: JH 2005/08/01

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY
DATE
SAMIEC 09/22/86

CHECKED BY
DATE
PATEL 09/22/86

APPROVED BY
DATE
LENZ 09/22/86

MATERIAL NO.

DOCUMENT NO.
SD-41695

SCALE

DESIGN UNITS
INCH

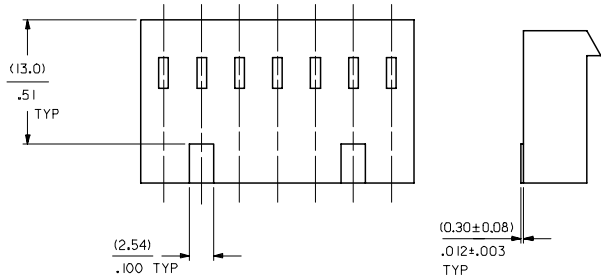
THIRD ANGLE PROJECTION

TITLE
(3.96)/.156 CENTERLINE
CONNECTOR HOUSING
FOR KK CRIMP TERMINAL

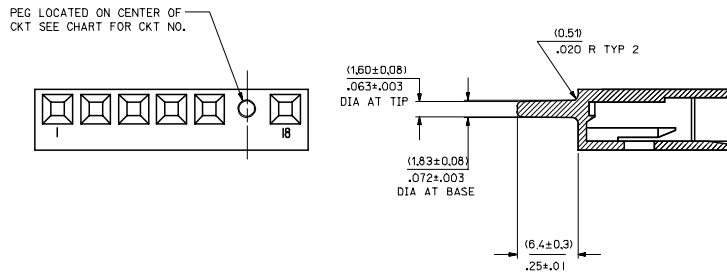
MOLEX MOLEX INCORPORATED

SHEET NO.
2 OF 4

OPTION CODE E
RAMP WITH RIBS FOR OVER MOLDING



OPTION CODE F
PEG OPTION



41695-N-DN-*

PART NO.	ENG. NO.	VOIDS
	NOT AVAILABLE	
09-50-8023	41695-N-D2	
09-50-8033	41695-N-D3	
09-50-8043	41695-N-D4	
09-50-8053	41695-N-D5	
09-50-8063	41695-N-D6	
09-50-8073	41695-N-D7	
09-50-8083	41695-N-D8	
09-50-8093	41695-N-D9	
09-50-8103	41695-N-D10	
09-50-8113	41695-N-D11	
09-50-8123	41695-N-D12	
09-50-8133	41695-N-D13	
09-50-8143	41695-N-D14	
09-50-8153	41695-N-D15	
09-50-8163	41695-N-D16	
09-50-8173	41695-N-D17	
09-50-8183	41695-N-D18	
09-50-8193	41695-N-D19	
09-50-8203	41695-N-D20	
	41695-N-D15-12	12
09-50-9053	41695-N-D5-2	2
09-50-9094	41695-N-D9-3	3
09-50-9033	41695-N-D3-2	2
09-50-9043	41695-N-D4-2	2
09-50-9063	41695-N-D6-2	2
09-50-9073	41695-N-D7-2	2
09-50-9044	41695-N-D4-3	3

41695-N-EN-*

PART NO.	ENG. NO.	VOIDS
	NOT AVAILABLE	
09-50-8024	41695-N-E2	
	41695-N-E3	
	41695-N-E4	
	41695-N-E5	
09-50-8064	41695-N-E6	
	41695-N-E7	
	41695-N-E8	
	41695-N-E9	
	41695-N-E10	
	41695-N-E11	
	41695-N-E12	
	41695-N-E13	
	41695-N-E14	
	41695-N-E15	
	41695-N-E16	
	41695-N-E17	
	41695-N-E18	
	41695-N-E19	
	41695-N-E20	
09-50-9032	41695-N-E3-2	2
09-50-9042	41695-N-E4-2	2
09-50-9062	41695-N-E6-2	2
09-50-9072	41695-N-E7-2	2

41695-N-FN-***

PART NO.	ENG. NO.	PEG	VOIDS
	41695-N-F7-D	4	
	41695-N-F7-E	5	

UPDATE TITLE BLOCK EC NO: UCP2006-0162 DRAWN: JUNE 2005/07/29 CHKD: ADRI 2005/07/29 APPROVED: JH 2005/08/01	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY SAMIEC	DATE 09/01/87	TITLE (3.96)1.156 CENTERLINE CONNECTOR HOUSING FOR KK CRIMP TERMINAL MOLEX INCORPORATED		
		4 PLACES ± --- ± ---	CHECKED BY DATE					
		3 PLACES ± --- ± ---	PATEL 09/01/87					
2 PLACES ± --- ± ---	APPROVED BY DATE	MATERIAL NO. DOCUMENT NO. SD-41695	SHEET NO. 3 OF 4					
1 PLACE ± --- ± ---	LENZ 09/01/87							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				