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ELECTRONICS

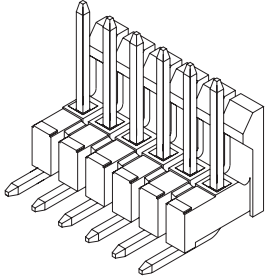
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Jameco Part Number 1965699

# 2.54mm (.100") Pitch KK<sup>®</sup> Breakaway Header

**42228**  
Right Angle  
Friction Lock



### Features and Benefits

- Sizes 2 to 36 circuits
- Available with kinked pins for better PC board retention
- Available with end backwalls removed for left to right polarization
- Various pin lengths available (contact Molex)
- Voided circuits available (contact Molex)

### Reference Information

Product Specification: PS-10-07  
Packaging: Bag  
Tooling Information: See cutting tool section  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: 2695, 4455, 6471, 7720 and 7880  
Designed In: Inches

### Electrical

Voltage: 250V  
Current: 4.0A  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 1500V  
Insulation Resistance: 50,000 Megohms min.

### Mechanical

Durability: Tin—25 cycles max.  
Gold—100 cycles max.

### Physical

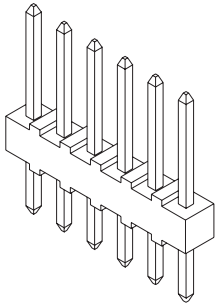
Housing: Glass-filled nylon, UL 94V-0  
Contact: Phosphor Bronze, 0.64mm (.025") square  
Plating: See Table  
Operating Temperature: -40 to +105°C

Standard			With Kinked Tails			With Backwalls Removed		
Tin	15 $\mu$ m Select Gold	30 $\mu$ m Select Gold	Tin	15 $\mu$ m Select Gold	30 $\mu$ m Select Gold	Tin	15 $\mu$ m Select Gold	30 $\mu$ m Select Gold
22-28-1XX0	22-28-1XX1	22-28-1XX2	22-28-1XX3	22-28-1XX4	22-28-1XX5	22-28-1XX6*	22-28-1XX7*	22-28-1XX8*
Replace XX with no. of circuits, 02-36								

\* Available in 3 to 36 circuits only  
Circuit 1 designation is used to orient the header to locate the voided circuit. Review mating connector to assure correct mating orientation.

# 2.54mm (.100") Pitch KK<sup>®</sup> Solid Header

**4030**  
Vertical



### Features and Benefits

- Sizes 2 to 28 circuits
- 4030 with voids is 4380 Series
- Various pin lengths available
- Voided circuits available (contact Molex)

### Reference Information

Product Specification: PS-10-07  
Packaging: Bag  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: 2695, 4455, 6471, 7720 and 7880  
Designed In: Inches

### Electrical

Voltage: 250V  
Current: 4.0A  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 1500V  
Insulation Resistance: 50K Megohms min.

### Mechanical

Durability: Tin—25 cycles max.  
Gold—100 cycles max.

### Physical

Housing: Nylon, UL 94V-0  
Contact: Brass, 0.64mm (.025") square  
Plating: See Table  
Operating Temperature: 0 to +75°C

Circuits	Order No.		Lead-free
	Tin	Gold	
2	<a href="#">22-03-2021</a>	<a href="#">22-10-2021</a>	Yes
3	<a href="#">22-03-2031</a>	<a href="#">22-10-2031</a>	
4	<a href="#">22-03-2041</a>	<a href="#">22-10-2041</a>	
5	<a href="#">22-03-2051</a>	<a href="#">22-10-2051</a>	
6	<a href="#">22-03-2061</a>	<a href="#">22-10-2061</a>	
7	<a href="#">22-03-2071</a>	<a href="#">22-10-2071</a>	
8	<a href="#">22-03-2081</a>	<a href="#">22-10-2081</a>	
9	<a href="#">22-03-2091</a>	<a href="#">22-10-2091</a>	
10	<a href="#">22-03-2101</a>	<a href="#">22-10-2101</a>	

Note: In the Far East, the polyester product has different Engineering No. and Order No.

Circuit 1 designation is used to orient the header to locate the voided circuit. Review mating connector to assure correct mating orientation.

Circuits	Order No.		Lead-free
	Tin	Gold	
11	<a href="#">22-03-2111</a>	<a href="#">22-10-2111</a>	Yes
12	<a href="#">22-03-2121</a>	<a href="#">22-10-2121</a>	
13	<a href="#">22-03-2131</a>	<a href="#">22-10-2131</a>	
14	<a href="#">22-03-2141</a>	<a href="#">22-10-2141</a>	
15	<a href="#">22-03-2151</a>	<a href="#">22-10-2151</a>	
16	<a href="#">22-03-2161</a>	<a href="#">22-10-2161</a>	
17	<a href="#">22-03-2171</a>	<a href="#">22-10-2171</a>	
18	<a href="#">22-03-2181</a>	<a href="#">22-10-2181</a>	
19	<a href="#">22-03-2191</a>	<a href="#">22-10-2191</a>	

Circuits	Order No.		Lead-free
	Tin	Gold	
20	<a href="#">22-03-2201</a>	<a href="#">22-10-2201</a>	Yes
21	<a href="#">22-03-2211</a>	<a href="#">22-10-2211</a>	
22	<a href="#">22-03-2221</a>	<a href="#">22-10-2221</a>	
23	<a href="#">22-03-2231</a>	<a href="#">22-10-2231</a>	
24	<a href="#">22-03-2241</a>	<a href="#">22-10-2241</a>	
25	<a href="#">22-03-2251</a>	<a href="#">22-10-2251</a>	
26	<a href="#">22-03-2261</a>	<a href="#">22-10-2261</a>	
27	<a href="#">22-03-2271</a>	<a href="#">22-10-2271</a>	
28	<a href="#">22-03-2281</a>	<a href="#">22-10-2281</a>	



# PRODUCT SPECIFICATION

## 1.0 SCOPE

This Product Specification covers the 2.54 mm (.100 inch) centerline (pitch) 0.64 mm (.025) square pin headers when mated with either printed circuit board (PCB) connectors or connectors terminated with 22 to 28 AWG wire using crimp technology.

## 2.0 PRODUCT DESCRIPTION

### 2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 2759, 41572, 6459  
Crimp Housings: 2695  
PCB Connectors: 4455, 42625  
Headers: 4030, 4094, 6373, 7478, 42225, 42226, 42227, 42228, 42152, 42153, 42375, 42376, 42377, 42624.  
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  
CSA .....LR19980

## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

None

## 4.0 RATINGS

### 4.1 VOLTAGE

250 Volts

**4.2 CURRENT AND APPLICABLE WIRES** (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.)

AWG	Amps (Max)	Outside Insulation Diameter
22	4.00	See Drawings
24	3.75	See Drawings
26	3.50	See Drawings
28	3.00	See Drawings

### 4.3 TEMPERATURE (ambient + 30° temp rise)

Operating: 0°C to +75°C  
Nonoperating: - 40°C to +105°C

REVISION: <b>P3</b>	EGR/ECN INFORMATION: EC No: <b>UCP2008-0956</b> DATE: <b>11/6/2007</b>	TITLE: <b>PRODUCT SPECIFICATION .100 CENTER KK CONNECTORS</b>	SHEET No. <b>1 of 5</b>
DOCUMENT NUMBER: <b>PS-10-07</b>	CREATED / REVISED BY: <b>ADERR</b>	CHECKED BY: <b>JBELL</b>	APPROVED BY: <b>FSMITH</b>



# PRODUCT SPECIFICATION

## 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.	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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DOCUMENT NUMBER: <b>PS-10-07</b>	CREATED / REVISED BY: <b>ADERR</b>	CHECKED BY: <b>JBELL</b>	APPROVED BY: <b>FSMITH</b>



# PRODUCT SPECIFICATION

## 5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT		
Connector Mate and Unmate Forces	Per circuit when mated to an .025 Sq. pin. Mate and unmate connector (male to female) at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	1.95 N (0.438 lbf) MAXIMUM insertion force & 0.56 N (0.125 lbf) MINIMUM withdrawal 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.)	17.8 N (4.0 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.)	6.67 N (1.5 lbf) MAXIMUM insertion 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)	22 awg = 44 N (10 lbf) 24 awg = 35 N (8 lbf) 26 awg = 26 N (6 lbf) 28 awg = 17 N (4 lbf) 30 awg = 13 N (3 lbf)		
Normal Force	Apply a perpendicular force.	2.94 N (300 grams) average		
Kinked PC Pin Insertion Force (into PCB Hole)	Apply an axial insertion force on pins at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	Number of kinked pins	Maximum Insertion force (per pin)	Average Insertion force (per pin)
		2	44.0 N (9.9 lbf)	15.1N (3.4 lbf)
		4	21.4 N (4.8 lbf)	9.8 N (2.2 lbf)
		6	18.2 N (4.1 lbf)	4.9 N (1.1 lbf)

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DOCUMENT NUMBER: <b>PS-10-07</b>	CREATED / REVISED BY: <b>ADERR</b>	CHECKED BY: <b>JBELL</b>	APPROVED BY: <b>FSMITH</b>
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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 ± 5°C	Visual: No Damage to insulator material
Cold Resistance	Mate connectors: Duration: 96 hours; Temperature: -40 ± 3°C	10 milliohms MAXIMUM (change from initial) & Visual: No Damage
Corrosive Atmosphere: Flowing Mixed Gas (FMG)	Test per EIA-364-65, Class II, Exposure to gasses for 4 days, unmated.	10 milliohms MAXIMUM (change from initial) & Visual: No Damage

## 6.0 PACKAGING

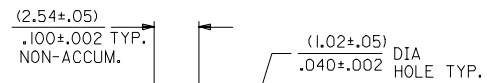
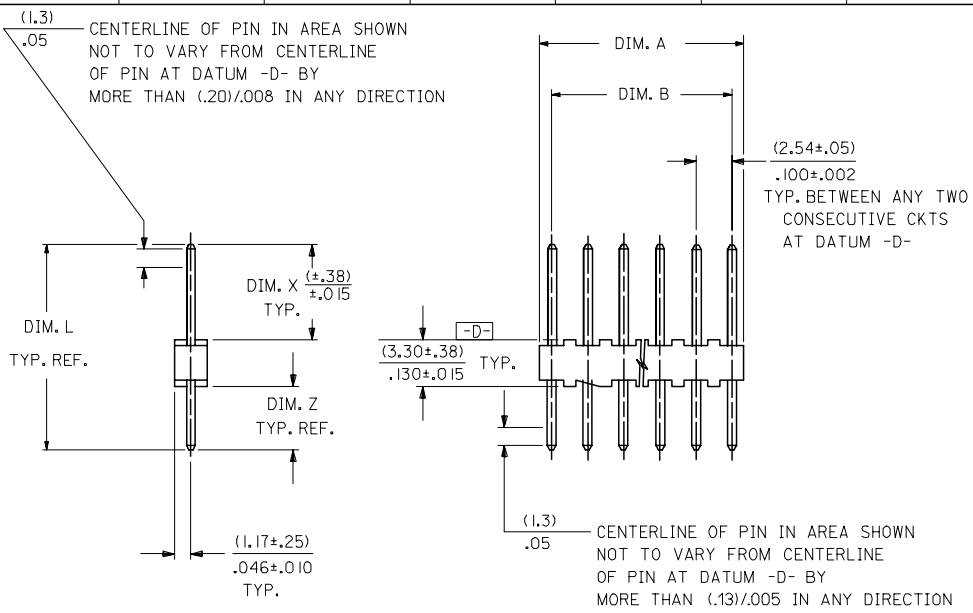
Parts shall be packaged to protect against damage during handling, transit and storage.

## 7.0 GAGES AND FIXTURES

## 8.0 OTHER

REVISION: <b>P3</b>	EGR/ECN INFORMATION: EC No: <b>UCP2008-0956</b> DATE: <b>11/6/2007</b>	TITLE: <b>PRODUCT SPECIFICATION .100 CENTER KK CONNECTORS</b>	SHEET No. <b>5 of 5</b>
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13 12 11 10 9 8 7 6 5 4 3 2 1



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH: 102: 0.00508/0.00200 MIN TIN OVER 0.00254/0.00100 MIN COPPER  
501: 0.00051/0.00020 MIN GOLD OVER 0.00076/0.00030 MIN NICKEL
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. BULK PACK PER PK-4030-001.
5. PINS MUST CONFORM TO SOLDERABILITY SPECIFICATION SMES-152.
6. PIN PUSH OUT FORCE: 2 LBS. MIN.
7. PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.54)/.100 CENTERS.
8. SEE SDA-4030-002 FOR CUSTOMER DEFINED OPTIONS.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CKTS. NO. OF	DIM. B		DIM. A	
	mm	INCH	mm	INCH
2	.100 ± .002 ( 2.54 ± .05 )		.190 ± .008 ( 4.83 ± .20 )	
3	.200 ± .005 ( 5.08 ± .13 )		.290 ± .008 ( 7.37 ± .20 )	
4	.300 ± .005 ( 7.62 ± .13 )		.390 ± .008 ( 9.91 ± .20 )	
5	.400 ± .005 ( 10.16 ± .13 )		.490 ± .008 ( 12.45 ± .20 )	
6	.500 ± .006 ( 12.70 ± .15 )		.590 ± .009 ( 14.99 ± .23 )	
7	.600 ± .006 ( 15.24 ± .15 )		.690 ± .009 ( 17.53 ± .23 )	
8	.700 ± .006 ( 17.78 ± .15 )		.790 ± .009 ( 20.07 ± .23 )	
9	.800 ± .007 ( 20.32 ± .18 )		.890 ± .010 ( 22.61 ± .25 )	
10	.900 ± .007 ( 22.86 ± .18 )		.990 ± .010 ( 25.15 ± .25 )	
11	1.000 ± .007 ( 25.40 ± .18 )		1.090 ± .010 ( 27.69 ± .25 )	
12	1.100 ± .008 ( 27.94 ± .20 )		1.190 ± .011 ( 30.23 ± .28 )	
13	1.200 ± .008 ( 30.48 ± .20 )		1.290 ± .011 ( 32.77 ± .28 )	
14	1.300 ± .008 ( 33.02 ± .20 )		1.390 ± .011 ( 35.31 ± .28 )	
15	1.400 ± .008 ( 35.56 ± .20 )		1.490 ± .011 ( 37.85 ± .28 )	
16	1.500 ± .008 ( 38.10 ± .20 )		1.590 ± .011 ( 40.39 ± .28 )	
17	1.600 ± .009 ( 40.64 ± .23 )		1.690 ± .012 ( 42.93 ± .30 )	
18	1.700 ± .009 ( 43.18 ± .23 )		1.790 ± .012 ( 45.47 ± .30 )	
19	1.800 ± .009 ( 45.72 ± .23 )		1.890 ± .012 ( 48.01 ± .30 )	
20	1.900 ± .009 ( 48.26 ± .23 )		1.990 ± .012 ( 50.55 ± .30 )	
21	2.000 ± .010 ( 50.80 ± .25 )		2.090 ± .013 ( 53.09 ± .33 )	
22	2.100 ± .010 ( 53.34 ± .25 )		2.190 ± .013 ( 55.63 ± .33 )	
23	2.200 ± .010 ( 55.88 ± .25 )		2.290 ± .013 ( 58.17 ± .33 )	
24	2.300 ± .010 ( 58.42 ± .25 )		2.390 ± .013 ( 60.71 ± .33 )	
25	2.400 ± .011 ( 60.96 ± .28 )		2.490 ± .014 ( 63.25 ± .36 )	
26	2.500 ± .011 ( 63.50 ± .28 )		2.590 ± .014 ( 65.79 ± .36 )	
27	2.600 ± .011 ( 66.04 ± .28 )		2.690 ± .014 ( 68.33 ± .36 )	
28	2.700 ± .011 ( 68.58 ± .28 )		2.790 ± .014 ( 70.87 ± .36 )	

2 CH2  
1 CH2  
SHI REV.

<b>UPDATE NOTES</b> EC NO: UCP2008-0017 DRAWN: ADERR 2007/10/11 CHKD: LSCHMI DT 2007/10/11 APPR: FSM TH 2007/10/12	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> mm INCH		<b>DIMENSION STYLE</b> MM/IN		<b>SCALE</b> ---	<b>DESIGN UNITS</b> INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	DRAWN BY SAMIEC DATE 1988/06/10 CHECKED BY PATEL DATE 1988/06/10 APPROVED BY LENZ DATE 1988/06/10	<b>SEE CHART</b> MATERIAL NO. DOCUMENT NO.		<b>SDA-4030</b> MOLEX INCORPORATED		<b>KK HEADER</b> (2.54)/.100 CENTERS STD CATALOG PRODUCTS	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

12 11 10 9 8 7 6 5 4 3 2 1



	13	12	11	10	9	8	7	6	5	4	3	2	1
	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	PACKAGE PER	EDP NO. IN COL NO						
J	A-4030 -NA(102)	2766 -(102)	.560 (14.22)	.295 (7.49 )	.135 (3.43 )	PK-4030-001 BULK	1						J
	A-4030 -NA(50 I)	2766 -(50 I)	.560 (14.22)	.295 (7.49 )	.135 (3.43 )	PK-4030-001 BULK	2						
I	A- -	-	( )	( )	( )								I
	A- -	-	( )	( )	( )								
	A- -	-	( )	( )	( )								

H													H
G													G

COLUMN NO. 1			COLUMN NO. 2		
EDP NO.	ENG. NO.	NO OF CKTS	EDP NO.	ENG. NO.	NO OF CKTS
22-03-202 I	A-4030-02A(102)	2	22-10-202 I	A-4030-02A(50 I)	2
22-03-203 I	A-4030-03A(102)	3	22-10-203 I	A-4030-03A(50 I)	3
22-03-204 I	A-4030-04A(102)	4	22-10-204 I	A-4030-04A(50 I)	4
22-03-205 I	A-4030-05A(102)	5	22-10-205 I	A-4030-05A(50 I)	5
22-03-206 I	A-4030-06A(102)	6	22-10-206 I	A-4030-06A(50 I)	6
22-03-207 I	A-4030-07A(102)	7	22-10-207 I	A-4030-07A(50 I)	7
22-03-208 I	A-4030-08A(102)	8	22-10-208 I	A-4030-08A(50 I)	8
22-03-209 I	A-4030-09A(102)	9	22-10-209 I	A-4030-09A(50 I)	9
22-03-210 I	A-4030-10A(102)	10	22-10-210 I	A-4030-10A(50 I)	10
22-03-211 I	A-4030-11A(102)	11	22-10-211 I	A-4030-11A(50 I)	11
22-03-212 I	A-4030-12A(102)	12	22-10-212 I	A-4030-12A(50 I)	12
22-03-213 I	A-4030-13A(102)	13	22-10-213 I	A-4030-13A(50 I)	13
22-03-214 I	A-4030-14A(102)	14	22-10-214 I	A-4030-14A(50 I)	14
22-03-215 I	A-4030-15A(102)	15	22-10-215 I	A-4030-15A(50 I)	15
22-03-216 I	A-4030-16A(102)	16	22-10-216 I	A-4030-16A(50 I)	16
22-03-217 I	A-4030-17A(102)	17	22-10-217 I	A-4030-17A(50 I)	17
22-03-218 I	A-4030-18A(102)	18	22-10-218 I	A-4030-18A(50 I)	18
22-03-219 I	A-4030-19A(102)	19	22-10-219 I	A-4030-19A(50 I)	19
22-03-220 I	A-4030-20A(102)	20	22-10-220 I	A-4030-20A(50 I)	20
22-03-221 I	A-4030-21A(102)	21	22-10-221 I	A-4030-21A(50 I)	21
22-03-222 I	A-4030-22A(102)	22	22-10-222 I	A-4030-22A(50 I)	22
22-03-223 I	A-4030-23A(102)	23	22-10-223 I	A-4030-23A(50 I)	23
22-03-224 I	A-4030-24A(102)	24	22-10-224 I	A-4030-24A(50 I)	24
22-03-225 I	A-4030-25A(102)	25	22-10-225 I	A-4030-25A(50 I)	25
22-03-226 I	A-4030-26A(102)	26	22-10-226 I	A-4030-26A(50 I)	26
22-03-227 I	A-4030-27A(102)	27	22-10-227 I	A-4030-27A(50 I)	27
22-03-228 I	A-4030-28A(102)	28	22-10-228 I	A-4030-28A(50 I)	28

B	UPDATE TITLE BLOCK EC NO: UCP2008-0017 2007/10/11 DRAWN:ADERR 2007/10/11 CHKD:LS:HM DT 2007/10/11 APPR:FSM TH 2007/10/12 CH2 REVISION DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	DRAWN BY SAMIEC	DATE 1993/07/15	TITLE KK HEADER (2.54)/.100 CENTERS STD CATALOG PRODUCTS			
		ANGULAR ±1/2°				CHECKED BY PADEL	DATE 1993/07/15	MATERIAL NO. SDA-4030			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY LENZ	DATE 1993/07/15	DOCUMENT NO. SDA-4030		SHEET NO. 2 OF 2	

	13	12	11	10	9	8	7	6	5	4	3	2	1
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