

Series image - Reference only

EU RoHS

China RoHS

ELV and RoHS Compliant



Duration at Max. Process Temperature (seconds)5

Lead-free Process Capability

Wave Capable (TH only)

Max. Cycles at Max. Process Temperature

1

Process Temperature max. C

235

### Search Parts in this Series

[7478 Series](#)

### Mates With

[2695](#), [6471](#), [7880](#), [4455](#), [7720](#)

**Part Number:** **0022122084**

**Status:** **Active**

**Description:** 2.54mm (.100") Pitch KK® Solid Header, Right Angle, with Friction Lock, 8 Circuits, 0.51µm (20µ") Gold (Au) Plating

### Documents:

- [Drawing \(PDF\)](#)
- [Product Specification PS-10-07 \(PDF\)](#)
- [3D Model](#)
- [Packaging Specification \(PDF\)](#)
- [Related Catalog Page \(PDF\)](#)

### Order Products:

○ [Check Distributor Inventory](#)

Part Detail: [\(show all\)](#)

## General

## Physical

## Electrical

## Material Info

## Reference - Drawing Numbers

**General**

Product Family	PCB Headers
Series	<u>7478</u>
Application	Wire-to-Board
Product Name	KK®

**Physical**

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural (White)
Durability (mating cycles) min	50 cycles
Flammability	94V-0
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.141 In
PC Tail Length (mm)	3.58 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	Yes
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

**Electrical**

CSA	LR19980
Current - Maximum	4.00 Amp
UL	E29179
Voltage - Maximum	250V

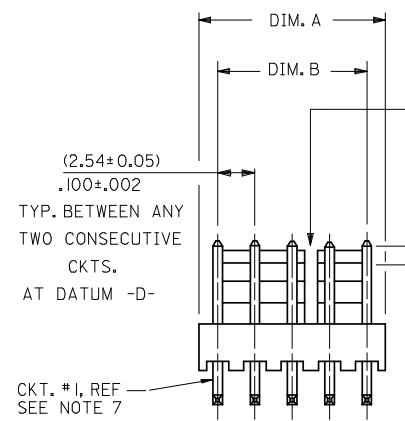
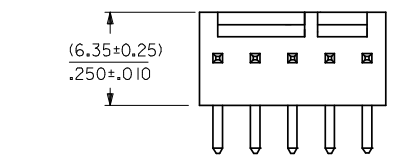
**Material Info**

Old Part Number	A-7478-08A501
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**Reference - Drawing Numbers**

Product Specification	PS-10-07
Sales Drawing	SDA-7478

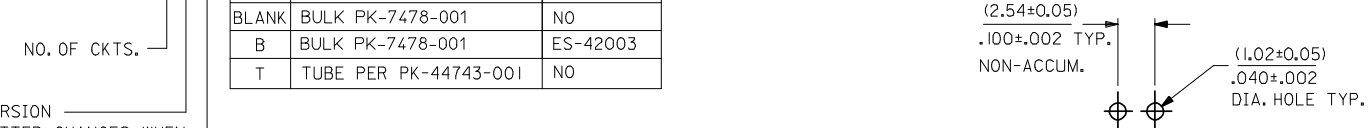
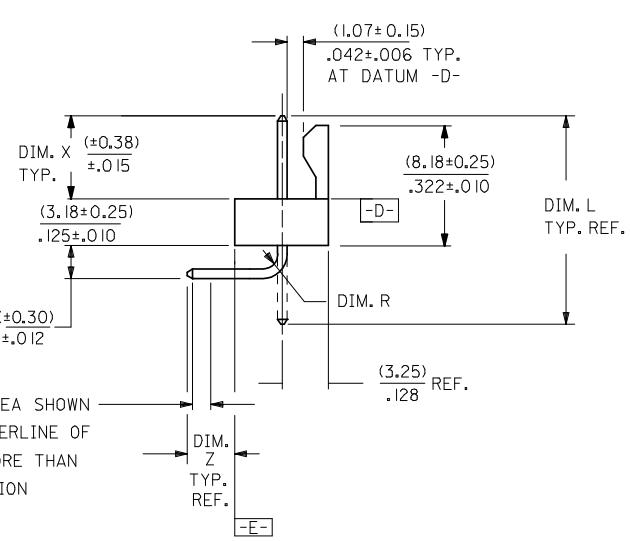
				13	12	11	10	9	8	7	6	5	4	3	2	1
J	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25												
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25												
I	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21												
	25	(63.50 / 62.99) 2.500 / 2.480	(60.96 ± 0.25) 2.400 ± .010	4 , 5 20 , 21												
H	24	(60.96 / 60.45) 2.400 / 2.380	(58.42 ± 0.25) 2.300 ± .010	4 , 5 20 , 21												
	23	(58.42 / 57.96) 2.300 / 2.282	(55.88 ± 0.23) 2.200 ± .009	4 , 5 20 , 21												
G	22	(55.88 / 55.42) 2.200 / 2.182	(53.34 ± 0.23) 2.100 ± .009	4 , 5 16 , 17												
	21	(53.34 / 52.88) 2.100 / 2.082	(50.80 ± 0.23) 2.000 ± .009	4 , 5 16 , 17												
F	20	(50.80 / 50.34) 2.000 / 1.982	(48.26 ± 0.23) 1.900 ± .009	4 , 5 16 , 17												
	19	(48.26 / 47.80) 1.900 / 1.882	(45.72 ± 0.23) 1.800 ± .009	4 , 5 16 , 17												
E	18	(45.72 / 45.31) 1.800 / 1.784	(43.18 ± 0.20) 1.700 ± .008	4 , 5 12 , 13												
	17	(43.18 / 42.77) 1.700 / 1.684	(40.64 ± 0.20) 1.600 ± .008	4 , 5 12 , 13												
D	16	(40.64 / 40.23) 1.600 / 1.584	(38.10 ± 0.20) 1.500 ± .008	4 , 5 12 , 13												
	15	(38.10 / 37.69) 1.500 / 1.484	(35.56 ± 0.20) 1.400 ± .008	4 , 5 12 , 13												
C	14	(35.56 / 35.20) 1.400 / 1.386	(33.02 ± 0.18) 1.300 ± .007	4 , 5 8 , 9												
	13	(33.02 / 32.66) 1.300 / 1.286	(30.48 ± 0.18) 1.200 ± .007	4 , 5 8 , 9												
B	12	(30.48 / 30.12) 1.200 / 1.186	(27.94 ± 0.18) 1.100 ± .007	4 , 5 8 , 9												
	11	(27.94 / 27.58) 1.100 / 1.086	(25.40 ± 0.18) 1.000 ± .007	4 , 5 8 , 9												
A	10	(25.40 / 25.04) 1.000 / .986	(22.86 ± 0.15) .900 ± .006	4 , 5												
	9	(22.86 / 22.50) .900 / .886	(20.32 ± 0.15) .800 ± .006	4 , 5												
		8	(20.32 / 19.96) .800 / .786	(17.78 ± 0.15) .700 ± .006	4 , 5											
		7	(17.78 / 17.42) .700 / .686	(15.24 ± 0.13) .600 ± .005	4 , 5											
		6	(15.24 / 14.88) .600 / .586	(12.70 ± 0.13) .500 ± .005	4 , 5											
		5	(12.70 / 12.40) .500 / .488	(10.16 ± 0.13) .400 ± .005	NONE											
		4	(10.16 / 9.86) .400 / .388	(7.62 ± 0.13) .300 ± .005	NONE											
		3	(7.62 / 7.32) .300 / .288	(5.08 ± 0.10) .200 ± .004	NONE											
		2	(5.08 / 4.78) .200 / .188	(2.54 ± 0.05) .100 ± .002	NONE											
		NO. OF CKTS.	DIM. A	DIM. B	SLOTS LOC.											



- NOTES:
- MATERIAL: NYLON, UL94V-0, COLOR: WHITE
  - FINISH:
    - (102) - OVERALL TIN: (0.00508)±.000200 MIN., OVERALL COPPER UNDERPLATE: (0.00254)±.000100 MIN.
    - (154) - OVERALL TIN: (0.00254)±.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)±.000050 MIN.
    - (501) - OVERALL GOLD: (0.00051)±.000020 MIN., OVERALL NICKEL UNDERPLATE: (0.00076)±.000030 MIN.
    - (503) - OVERALL GOLD: (0.00076)±.000030 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)±.000050 MIN.
    - (531) - OVERALL GOLD: (0.00038)±.000015 MIN., OVERALL NICKEL UNDERPLATE: (0.00076)±.000030 MIN.
  - PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
  - PACKAGING INFORMATION: SEE LEGEND.
  - PARTS ARE STACKABLE END TO END ON (2.54)±.100 CENTERS.
  - PIN PUSH OUT FORCE: 2 LBS. MIN.
  - CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION. CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE HOUSING.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN (0.13)±.005 IN ANY DIRECTION

SECONDARY OPERATIONS		
CODE	PACKAGE	KINKED PIN
BLANK	BULK PK-7478-001	NO
B	BULK PK-7478-001	ES-42003
T	TUBE PER PK-44743-001	NO

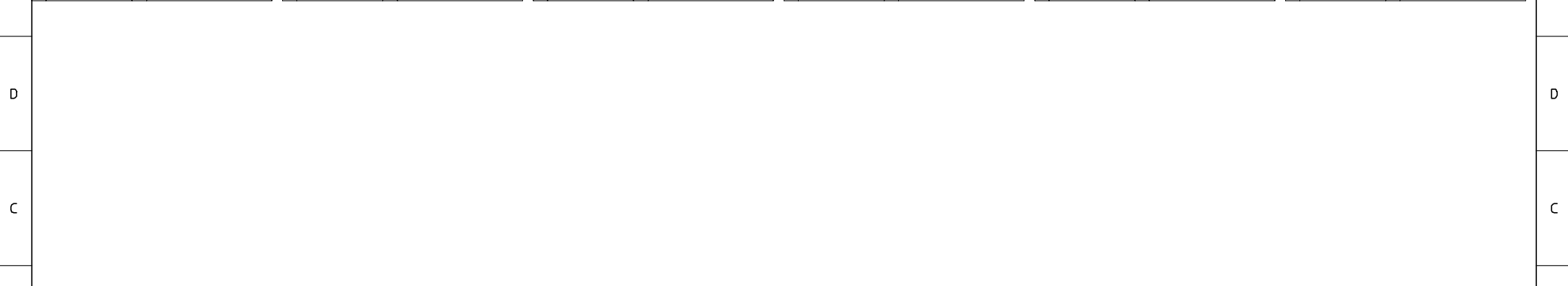


ADD SLOTS LOC. EC NO: UCP2008-1289 DRAWN: ADERR 2007/12/07 CHKD: JBELL 2007/12/10 APPR: FSM:TH 2007/12/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) ± mm      ± INCH	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 1/2°	DRAWN BY GUZIC 1987/07/30 CHECKED BY PATEL 1987/07/30 APPROVED BY LENZ 1987/07/30	DATE 1987/07/30	DATE 1987/07/30	TITLE <b>FRICTION LOCK HEADER ASY</b> .100 CL BENT SQ PINS 7478 SERIES DWG
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-7478		MOLEX INCORPORATED
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

	13	12	11	10	9	8	7	6	5	4	3	2	1				
J	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. R	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. T	J
	A-7478-NA102	2766-41(I102)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046									
	A-7478-NA50I	2766-41(I50I)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046									
I	A-7478-NA50IT	2766-41(I50IT)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046									I
	A-7478-NA102T	2766-41(I102T)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046									
H																	H
G																	G
F																	F
E																	E
D																	D
C																	C

A	ADD A-7478-NA102T EC NO: UCP2006-1815 DRW:ADERR 2006/02/06 CHKD:AEI/HAG 2006/02/06 APPR:FSM/TH 2006/02/09 Y9	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		TITLE <b>FRICTION LOCK HEADER ASY          .100 CL BENT SQ PINS          7478 SERIES DWG</b>	<b>MOLEX INCORPORATED</b>	DOCUMENT NO. <b>SDA-7478</b>	SHEET NO. <b>2 OF 7</b>				
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	ANGULAR ± --- °	DRAWN BY GUZIK	DATE 1987/07/10	CHECKED BY PATEL					DATE 1987/07/10	APPROVED BY LENZ	DATE 1987/07/10	
			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								

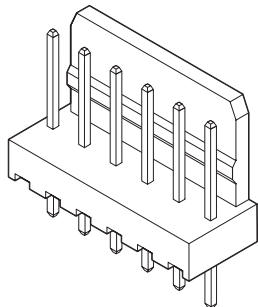
	13	12	11	10	9	8	7	6	5	4	3	2	1	
	A-7478-NA102		A-7478-NA501		A-7478-NA501T		A-7478-NA102T							
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.
	22-05-3021	* A-7478-2A102	22-12-2024	* A-7478-2A501	50-29-1710	A-7478-2A501T	50-34-8500	A-7478-2A102T						
	22-05-3031	* A-7478-3A102	22-12-2034	* A-7478-3A501	50-29-1711	A-7478-3A501T	50-34-8501	A-7478-3A102T						
	22-05-3041	* A-7478-4A102	22-12-2044	* A-7478-4A501	50-29-1705	A-7478-4A501T	50-34-8502	A-7478-4A102T						
I	22-05-3051	* A-7478-5A102	22-12-2054	* A-7478-5A501	50-29-1712	A-7478-5A501T								
	22-05-3061	* A-7478-6A102	22-12-2064	* A-7478-6A501	50-29-1713	A-7478-6A501T								
	22-05-3071	* A-7478-7A102	22-12-2074	* A-7478-7A501	50-29-1714	A-7478-7A501T								
	22-05-3081	* A-7478-8A102	22-12-2084	* A-7478-8A501	50-29-1715	A-7478-8A501T								
	22-05-3091	* A-7478-9A102	22-12-2094	* A-7478-9A501	50-29-1716	A-7478-9A501T								
H	22-05-3101	* A-7478-10A102	22-12-2104	* A-7478-10A501	50-29-1717	A-7478-10A501T								
	22-05-3111	* A-7478-11A102	22-12-2114	* A-7478-11A501	50-29-1718	A-7478-11A501T								
	22-05-3121	* A-7478-12A102	22-12-2124	* A-7478-12A501	50-29-1719	A-7478-12A501T								
	22-05-3131	* A-7478-13A102	22-12-2134	* A-7478-13A501	50-29-1720	A-7478-13A501T								
	22-05-3141	* A-7478-14A102	22-12-2144	* A-7478-14A501	50-29-1721	A-7478-14A501T								
	22-05-3151	* A-7478-15A102	22-12-2154	* A-7478-15A501	50-29-1722	A-7478-15A501T								
G	22-05-3161	* A-7478-16A102	22-12-2164	* A-7478-16A501	50-29-1723	A-7478-16A501T								
	22-05-3171	* A-7478-17A102	22-12-2174	* A-7478-17A501	50-29-1724	A-7478-17A501T								
	22-05-3181	* A-7478-18A102	22-12-2184	* A-7478-18A501	50-29-1725	A-7478-18A501T								
	22-05-3191	* A-7478-19A102	22-12-2194	* A-7478-19A501	50-29-1726	A-7478-19A501T								
	22-05-3201	* A-7478-20A102	22-12-2204	* A-7478-20A501	50-29-1727	A-7478-20A501T								
	22-05-3211	* A-7478-21A102	22-12-2214	* A-7478-21A501	50-29-1728	A-7478-21A501T								
F	22-05-3221	* A-7478-22A102	22-12-2224	* A-7478-22A501	50-29-1729	A-7478-22A501T								
	22-05-3231	* A-7478-23A102	22-12-2234	* A-7478-23A501	50-29-1730	A-7478-23A501T								
	22-05-3241	* A-7478-24A102	22-12-2244	* A-7478-24A501	50-29-1731	A-7478-24A501T								
	22-05-3251	* A-7478-25A102	22-12-2254	* A-7478-25A501	50-29-1732	A-7478-25A501T								
	22-05-3261	* A-7478-26A102	22-12-2264	* A-7478-26A501	50-29-1733	A-7478-26A501T								
E	22-05-3271	* A-7478-27A102	22-12-2274	* A-7478-27A501	50-29-1734	A-7478-27A501T								
	22-05-3281	* A-7478-28A102	22-12-2284	* A-7478-28A501	50-29-1735	A-7478-28A501T								



ADD P/N'S FCC NO. UCP2006-1815 DRAWN/ADDER CHKD: AELHAG APPR: FSM TH Y9	DESCRIPTION REVISION 2006/02/06 2006/02/06 2006/02/09	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH																		
		4 PLACES	± ---	± ---																		
		3 PLACES	± ---	± ---																		
2 PLACES	± ---	± ---																				
1 PLACE	± ---	± ---																				
DRAWN BY GUZIK			DATE 1987/07/10	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.																		
CHECKED BY PATEL			DATE 1987/07/10	MOLEX INCORPORATED																		
APPROVED BY LENZ			DATE 1987/07/10	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-7478	SHEET NO. 3 OF 7																

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

## 6410 Vertical Friction Lock



### Features and Benefits

- Sizes 2 to 28 circuits
- Friction lock provides passive lock to connector with ramp
- Good in high vibration applications
- Higher backwall than the 6373 Series
- Various pin lengths available

### Reference Information

Product Specification: PS-10-07  
 Packaging: Bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 Mates With: 2695 with locking ramp, 6471 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.

### Physical

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

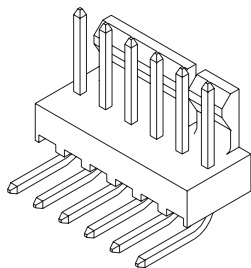
Circuits	Order No.		Lead-free
	Tin	Gold	
2	<a href="#">22-27-2021</a>	<a href="#">22-29-2021</a>	Yes
3	<a href="#">22-27-2031</a>	<a href="#">22-29-2031</a>	
4	<a href="#">22-27-2041</a>	<a href="#">22-29-2041</a>	
5	<a href="#">22-27-2051</a>	<a href="#">22-29-2051</a>	
6	<a href="#">22-27-2061</a>	<a href="#">22-29-2061</a>	
7	<a href="#">22-27-2071</a>	<a href="#">22-29-2071</a>	
8	<a href="#">22-27-2081</a>	<a href="#">22-29-2081</a>	
9	<a href="#">22-27-2091</a>	<a href="#">22-29-2091</a>	
10	<a href="#">22-27-2101</a>	<a href="#">22-29-2101</a>	

Circuits	Order No.		Lead-free
	Tin	Gold	
11	<a href="#">22-27-2111</a>	<a href="#">22-29-2111</a>	Yes
12	<a href="#">22-27-2121</a>	<a href="#">22-29-2121</a>	
13	<a href="#">22-27-2131</a>	<a href="#">22-29-2131</a>	
14	<a href="#">22-27-2141</a>	<a href="#">22-29-2141</a>	
15	<a href="#">22-27-2151</a>	<a href="#">22-29-2151</a>	
16	<a href="#">22-27-2161</a>	<a href="#">22-29-2161</a>	
17	<a href="#">22-27-2171</a>	<a href="#">22-29-2171</a>	
18	<a href="#">22-27-2181</a>	<a href="#">22-29-2181</a>	
19	<a href="#">22-27-2191</a>	<a href="#">22-29-2191</a>	

Circuits	Order No.		Lead-free
	Tin	Gold	
20	<a href="#">22-27-2201</a>	<a href="#">22-29-2201</a>	Yes
21	<a href="#">22-27-2211</a>	<a href="#">22-29-2211</a>	
22	<a href="#">22-27-2221</a>	<a href="#">22-29-2221</a>	
23	<a href="#">22-27-2231</a>	<a href="#">22-29-2231</a>	
24	<a href="#">22-27-2241</a>	<a href="#">22-29-2241</a>	
25	<a href="#">22-27-2251</a>	<a href="#">22-29-2251</a>	
26	<a href="#">22-27-2261</a>	<a href="#">22-29-2261</a>	
27	<a href="#">22-27-2271</a>	<a href="#">22-29-2271</a>	
28	<a href="#">22-27-2281</a>	<a href="#">22-29-2281</a>	

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

## 7478 Right Angle, Friction Lock



### Features and Benefits

- Sizes 2 to 28 circuits
- Friction lock provides passive lock to connector with ramp
- 7478 with voids is 7832 Series
- Various pin lengths available
- End-to-end stackable
- Edge mount only

### 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="#">22-05-3021</a>	<a href="#">22-12-2024</a>	Yes
3	<a href="#">22-05-3031</a>	<a href="#">22-12-2034</a>	
4	<a href="#">22-05-3041</a>	<a href="#">22-12-2044</a>	
5	<a href="#">22-05-3051</a>	<a href="#">22-12-2054</a>	
6	<a href="#">22-05-3061</a>	<a href="#">22-12-2064</a>	
7	<a href="#">22-05-3071</a>	<a href="#">22-12-2074</a>	
8	<a href="#">22-05-3081</a>	<a href="#">22-12-2084</a>	
9	<a href="#">22-05-3091</a>	<a href="#">22-12-2094</a>	
10	<a href="#">22-05-3101</a>	<a href="#">22-12-2104</a>	

Circuits	Order No.		Lead-free
	Tin	Gold	
11	<a href="#">22-05-3111</a>	<a href="#">22-12-2114</a>	Yes
12	<a href="#">22-05-3121</a>	<a href="#">22-12-2124</a>	
13	<a href="#">22-05-3131</a>	<a href="#">22-12-2134</a>	
14	<a href="#">22-05-3141</a>	<a href="#">22-12-2144</a>	
15	<a href="#">22-05-3151</a>	<a href="#">22-12-2154</a>	
16	<a href="#">22-05-3161</a>	<a href="#">22-12-2164</a>	
17	<a href="#">22-05-3171</a>	<a href="#">22-12-2174</a>	
18	<a href="#">22-05-3181</a>	<a href="#">22-12-2184</a>	
19	<a href="#">22-05-3191</a>	<a href="#">22-12-2194</a>	

Circuits	Order No.		Lead-free
	Tin	Gold	
20	<a href="#">22-05-3201</a>	<a href="#">22-12-2204</a>	Yes
21	<a href="#">22-05-3211</a>	<a href="#">22-12-2214</a>	
22	<a href="#">22-05-3221</a>	<a href="#">22-12-2224</a>	
23	<a href="#">22-05-3231</a>	<a href="#">22-12-2234</a>	
24	<a href="#">22-05-3241</a>	<a href="#">22-12-2244</a>	
25	<a href="#">22-05-3251</a>	<a href="#">22-12-2254</a>	
26	<a href="#">22-05-3261</a>	<a href="#">22-12-2264</a>	
27	<a href="#">22-05-3271</a>	<a href="#">22-12-2274</a>	
28	<a href="#">22-05-3281</a>	<a href="#">22-12-2284</a>	

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

