

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0026481075](#)
Status: **Active**
Description: 3.96mm (.156") Pitch KK® Header, Breakaway, Vertical, Square Pin, with Friction Lock, 7 Circuits, Tin (Sn) Plating

Documents:

3D Model	Product Specification PS-08-50 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

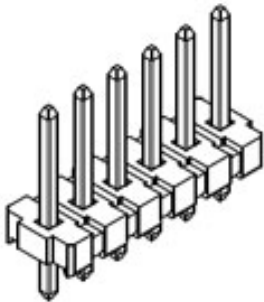
Product Family	PCB Headers
Series	41671
Application	Wire-to-Board
Product Name	KK®

Physical

Breakaway	Yes
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.172 In
PC Tail Length (mm)	4.37 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)	0.156 In
Pitch - Mating Interface (mm)	3.96 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	7A
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Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[41671](#)Series

Mates With

[3069](#) Crimp Housing, [2139](#) Crimp Housing,
[6442](#) KK® Crimp Housing, [41695](#) Crimp
Housing, [7674](#) IDT Assembly, [7675](#) IDT
Connector, [41815](#) PCB Connector, [2145](#)
PCB Connector, [3215](#) KK® PCB Connector

Voltage - Maximum	250V
Solder Process Data	
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
Material Info	
Old Part Number	A-41671-A07A102
Reference - Drawing Numbers	
Product Specification	PS-08-50
Sales Drawing	SD-41671-001

This document was generated on 03/22/2010

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COSMETIC SPECIFICATION PS-45499-002.

SCALE 1.5:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE KK 156 HEADER ASSEMBLY FRICTION LOCK STRAIGHT BREAKAWAY		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-41671-001		SHEET NO. 1 OF 8
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

Ckts	Group No: A-41671-ANA501		Group No: A-41671-ANA503		Group No: A-41671-AND102		Group No: A-41671-ANB102	
	Pin No: 2161-1 (501)		Pin No: 2161 – 1(503)		Pin No: 2161-56 (102)		Pin No: 2161-1 (102)	
	Plating: 501 GOLD		Plating: 503 GOLD		Plating: 102 TIN		Plating: 102 TIN	
	Pin Length L .750 / 19.05		Pin Length L .750 / 19.05		Pin Length L .703 / 17.86		Pin Length L .750 / 19.05	
	Mating M .450 / 11.43		Mating M .450 / 11.43		Mating M .450 / 11.43		Mating M .523 / 13.28	
	Gold Loc G OVERALL		Gold Loc G OVERALL		Gold Loc G NA		Gold Loc G NA	
	PC Tail P .172 / 4.37		PC Tail P .172 / 4.37		PC Tail P .125 / 3.18		PC Tail P .099 / 2.51	
	Tin Loc T NA		Tin Loc T NA		Tin Loc T OVERALL		Tin Loc T OVERALL	
	Voided Ckts NONE		Voided Ckts NONE		Voided Ckts NONE		Voided Ckts NONE	
	Pack Per PK-41671-001		Pack Per PK-41671-001		Pack Per PK-41671-001		Pack Per PK-41671-001	
	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
	26-48-2025	A-41671-A02A501	26-48-9026	A-41671-A02A503	26-48-9023	A-41671-A02D102	41671-0064	A-41671-A02B102
	26-48-2035	A-41671-A03A501	41671-0047	A-41671-A03A503	26-48-9033	A-41671-A03D102	41671-0065	A-41671-A03B102
	26-48-2045	A-41671-A04A501	41671-0048	A-41671-A04A503	26-48-9043	A-41671-A04D102	41671-0066	A-41671-A04B102
	26-48-2055	A-41671-A05A501	26-48-9056	A-41671-A05A503	26-48-9053	A-41671-A05D102	41671-0067	A-41671-A05B102
	26-48-2065	A-41671-A06A501	41671-0049	A-41671-A06A503	26-48-9063	A-41671-A06D102	41671-0068	A-41671-A06B102
	26-48-2075	A-41671-A07A501	41671-0050	A-41671-A07A503	26-48-9073	A-41671-A07D102	41671-0069	A-41671-A07B102
	26-48-2085	A-41671-A08A501	41671-0051	A-41671-A08A503	26-48-9083	A-41671-A08D102	41671-0070	A-41671-A08B102
	26-48-2095	A-41671-A09A501	26-48-9096	A-41671-A09A503	26-48-9093	A-41671-A09D102	26-48-6095	A-41671-A09B102
	26-48-2105	A-41671-A10A501	26-48-9106	A-41671-A10A503	26-48-9103	A-41671-A10D102	41671-0071	A-41671-A10B102
	26-48-2115	A-41671-A11A501	41671-0052	A-41671-A11A503	26-48-9113	A-41671-A11D102	41671-0072	A-41671-A11B102
	26-48-2125	A-41671-A12A501	26-48-9126	A-41671-A12A503	26-48-9123	A-41671-A12D102	41671-0073	A-41671-A12B102
	26-48-2135	A-41671-A13A501	41671-0053	A-41671-A13A503	26-48-9133	A-41671-A13D102	41671-0074	A-41671-A13B102
	26-48-2145	A-41671-A14A501	41671-0054	A-41671-A14A503	26-48-9143	A-41671-A14D102	41671-0075	A-41671-A14B102
	26-48-2155	A-41671-A15A501	41671-0055	A-41671-A15A503	26-48-9153	A-41671-A15D102	41671-0076	A-41671-A15B102
	26-48-2165	A-41671-A16A501	41671-0056	A-41671-A16A503	26-48-9163	A-41671-A16D102	41671-0077	A-41671-A16B102
	26-48-2175	A-41671-A17A501	41671-0057	A-41671-A17A503	26-48-9173	A-41671-A17D102	41671-0078	A-41671-A17B102
	26-48-2185	A-41671-A18A501	41671-0058	A-41671-A18A503	26-48-9183	A-41671-A18D102	41671-0079	A-41671-A18B102
	26-48-2195	A-41671-A19A501	41671-0059	A-41671-A19A503	26-48-9193	A-41671-A19D102	41671-0080	A-41671-A19B102
	26-48-2205	A-41671-A20A501	41671-0060	A-41671-A20A503	26-48-9203	A-41671-A20D102	41671-0081	A-41671-A20B102
	26-48-2215	A-41671-A21A501	41671-0061	A-41671-A21A503	26-48-9213	A-41671-A21D102	41671-0082	A-41671-A21B102
	26-48-2225	A-41671-A22A501	41671-0062	A-41671-A22A503	26-48-9223	A-41671-A22D102	41671-0083	A-41671-A22B102
	26-48-2235	A-41671-A23A501	41671-0063	A-41671-A23A503	26-48-9233	A-41671-A23D102	41671-0084	A-41671-A23B102
	26-48-2245	A-41671-A24A501	26-48-9246	A-41671-A24A503	26-48-9243	A-41671-A24D102	26-48-6245	A-41671-A24B102

REV: AJ	ECR/ECN INFORMATION: EC. NO. UCP2009-1378 DATE: 12/8/2008	TITLE: KK .156 HEADER ASSEMBLY FRICTION LOCK STRAIGHT 2-24 CKTS.	SHEET No. - 3 -
DOCUMENT NUMBER: SD – 41671 - 001		CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK
		APPROVED BY: FSMITH	

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

	Group No:	A-41671-ANF102	Group No:	A-41671-ANB501	Group No:	A-41671-ANF501	Group No:	A-41671-ANN102
	Pin No:	2161-24 (102)	Pin No:	2161-1 (501)	Pin No:	2161-24 (501)	Pin No:	2161-19 (102)
	Plating:	102 TIN	Plating:	501 GOLD	Plating:	501 GOLD	Plating:	102 TIN
	Pin Length L	.800 / 20.32	Pin Length L	.750 / 19.05	Pin Length L	.800 / 20.32	Pin Length L	1.032 / 26.21
	Mating M	.480 / 12.19	Mating M	.523 / 13.28	Mating M	.480 / 12.19	Mating M	.450 / 11.43
	Gold Loc G	NA	Gold Loc G	OVERALL	Gold Loc G	OVERALL	Gold Loc G	NA
	PC Tail P	.192 / 4.88	PC Tail P	.099 / 2.51	PC Tail P	.192 / 4.88	PC Tail P	.454 / 11.53
	Tin Loc T	OVERALL	Tin Loc T	NA	Tin Loc T	NA	Tin Loc T	OVERALL
	Voided Ckts	NONE	Voided Ckts	NONE	Voided Ckts	NONE	Voided Ckts	NONE
	Pack Per	PK-41671-001	Pack Per	PK-41671-001	Pack Per	PK-41671-001	Pack Per	PK-41671-001
Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	26-48-4026	A-41671-A02F102	26-48-2027	A-41671-A02B501	41671-0250	A-41671-A02F501		A-41671-A02N102
3	26-48-4036	A-41671-A03F102	26-48-2037	A-41671-A03B501	41671-0350	A-41671-A03F501		A-41671-A03N102
4	26-48-4046	A-41671-A04F102	26-48-2047	A-41671-A04B501	41671-0450	A-41671-A04F501		A-41671-A04N102
5	26-48-4056	A-41671-A05F102	26-48-2057	A-41671-A05B501	41671-0550	A-41671-A05F501		A-41671-A05N102
6	26-48-4066	A-41671-A06F102	26-48-2067	A-41671-A06B501	41671-0650	A-41671-A06F501		A-41671-A06N102
7	26-48-4076	A-41671-A07F102	26-48-2077	A-41671-A07B501	41671-0750	A-41671-A07F501		A-41671-A07N102
8	26-48-4086	A-41671-A08F102	26-48-2087	A-41671-A08B501	41671-0850	A-41671-A08F501		A-41671-A08N102
9	26-48-4096	A-41671-A09F102	26-48-2097	A-41671-A09B501	41671-0950	A-41671-A09F501		A-41671-A09N102
10	26-48-4106	A-41671-A10F102	26-48-2107	A-41671-A10B501	41671-1050	A-41671-A10F501		A-41671-A10N102
11	26-48-4116	A-41671-A11F102	26-48-2117	A-41671-A11B501	41671-1150	A-41671-A11F501		A-41671-A11N102
12	26-48-4126	A-41671-A12F102	26-48-2127	A-41671-A12B501	41671-1250	A-41671-A12F501		A-41671-A12N102
13	26-48-4136	A-41671-A13F102	26-48-2137	A-41671-A13B501	41671-1350	A-41671-A13F501		A-41671-A13N102
14	26-48-4146	A-41671-A14F102	26-48-2147	A-41671-A14B501	41671-1450	A-41671-A14F501		A-41671-A14N102
15	26-48-4156	A-41671-A15F102	26-48-2157	A-41671-A15B501	41671-1550	A-41671-A15F501		A-41671-A15N102
16	26-48-4166	A-41671-A16F102	26-48-2167	A-41671-A16B501	41671-1650	A-41671-A16F501		A-41671-A16N102
17	26-48-4176	A-41671-A17F102	26-48-2177	A-41671-A17B501	41671-1750	A-41671-A17F501		A-41671-A17N102
18	26-48-4186	A-41671-A18F102	26-48-2187	A-41671-A18B501	41671-1850	A-41671-A18F501		A-41671-A18N102
19	26-48-4196	A-41671-A19F102	26-48-2197	A-41671-A19B501	41671-1950	A-41671-A19F501		A-41671-A19N102
20	26-48-4206	A-41671-A20F102	26-48-2207	A-41671-A20B501	41671-2050	A-41671-A20F501		A-41671-A20N102
21	26-48-4216	A-41671-A21F102	26-48-2217	A-41671-A21B501	41671-2150	A-41671-A21F501		A-41671-A21N102
22	26-48-4226	A-41671-A22F102	26-48-2227	A-41671-A22B501	41671-2250	A-41671-A22F501		A-41671-A22N102
23	26-48-4236	A-41671-A23F102	26-48-2237	A-41671-A23B501	41671-2350	A-41671-A23F501		A-41671-A23N102
24	26-48-4246	A-41671-A24F102	26-48-2247	A-41671-A24B501	41671-2450	A-41671-A24F501	26-48-8247	A-41671-A24N102

REV:	ECR/ECN INFORMATION:	TITLE:	KK .156 HEADER ASSEMBLY FRICTION LOCK STRAIGHT 2-24 CKTS.		SHEET No.
AJ	EC. NO. UCP2009-1378				- 4 -
DATE:	12/8/2008				
DOCUMENT NUMBER:	SD – 41671 - 001	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:	
		MKIPPER	SSOUSEK	FSMITH	

Ckts	Group No: A-41671-CNP228		Group No: A-41671-CNR208		Group No: A-41671-ANT102		Group No: A-41671-ANA122	
	Pin No: 43294-0282		Pin No: 43294-0344		Pin No: 2161-37 (102)		Pin No: 2161-1 (122)	
	Plating: 228 30 GOLD		Plating: 208 15 GOLD		Plating: 102 TIN		Plating: 122 TIN	
	Pin Length L .800 / 20.32		Pin Length L .870 / 22.10		Pin Length L 1.100 / 27.94		Pin Length L .750 / 19.05	
	Mating M .523 / 13.28		Mating M .450 / 11.43		Mating M .486 / 12.34		Mating M .450 / 11.43	
	Gold Loc G .350 / 8.89		Gold Loc G .400 / 10.16		Gold Loc G NA		Gold Loc G NA	
	PC Tail P .149 / 3.78		PC Tail P .292 / 7.42		PC Tail P .486 / 12.34		PC Tail P .172 / 4.37	
	Tin Loc T .200 / 5.08		Tin Loc T .200 / 5.08		Tin Loc T OVERALL		Tin Loc T OVERALL	
	Voided Ckts NONE		Voided Ckts NONE		Voided Ckts NONE		Voided Ckts NONE	
	Pack Per PK-41671-001		Pack Per PK-41671-001		Pack Per PK-41671-001		Pack Per PK-41671-001	
	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
	41671-2451	A-41671-C02P228	41671-2474	A-41671-C02R208	41671-3400	A-41671-A02T102	41671-3423	A-41671-A02A122
	41671-2452	A-41671-C03P228	41671-2475	A-41671-C03R208	41671-3401	A-41671-A03T102	41671-3424	A-41671-A03A122
	41671-2453	A-41671-C04P228	41671-2476	A-41671-C04R208	41671-3402	A-41671-A04T102	41671-3425	A-41671-A04A122
	41671-2454	A-41671-C05P228	41671-2477	A-41671-C05R208	41671-3403	A-41671-A05T102	41671-3426	A-41671-A05A122
	41671-2455	A-41671-C06P228	41671-2478	A-41671-C06R208	41671-3404	A-41671-A06T102	41671-3427	A-41671-A06A122
	41671-2456	A-41671-C07P228	41671-2479	A-41671-C07R208	41671-3405	A-41671-A07T102	41671-3428	A-41671-A07A122
	41671-2457	A-41671-C08P228	41671-2480	A-41671-C08R208	41671-3406	A-41671-A08T102	41671-3429	A-41671-A08A122
	41671-2458	A-41671-C09P228	41671-2481	A-41671-C09R208	41671-3407	A-41671-A09T102	41671-3430	A-41671-A09A122
	41671-2459	A-41671-C10P228	41671-2482	A-41671-C10R208	41671-3408	A-41671-A10T102	41671-3431	A-41671-A10A122
	41671-2460	A-41671-C11P228	41671-2483	A-41671-C11R208	41671-3409	A-41671-A11T102	41671-3432	A-41671-A11A122
	41671-2461	A-41671-C12P228	41671-2484	A-41671-C12R208	41671-3410	A-41671-A12T102	41671-3433	A-41671-A12A122
	41671-2462	A-41671-C13P228	41671-2485	A-41671-C13R208	41671-3411	A-41671-A13T102	41671-3434	A-41671-A13A122
	41671-2463	A-41671-C14P228	41671-2486	A-41671-C14R208	41671-3412	A-41671-A14T102	41671-3435	A-41671-A14A122
	41671-2464	A-41671-C15P228	41671-2487	A-41671-C15R208	41671-3413	A-41671-A15T102	41671-3436	A-41671-A15A122
	41671-2465	A-41671-C16P228	41671-2488	A-41671-C16R208	41671-3414	A-41671-A16T102	41671-3437	A-41671-A16A122
	41671-2466	A-41671-C17P228	41671-2489	A-41671-C17R208	41671-3415	A-41671-A17T102	41671-3438	A-41671-A17A122
	41671-2467	A-41671-C18P228	41671-2490	A-41671-C18R208	41671-3416	A-41671-A18T102	41671-3439	A-41671-A18A122
	41671-2468	A-41671-C19P228	41671-2491	A-41671-C19R208	41671-3417	A-41671-A19T102	41671-3440	A-41671-A19A122
	41671-2469	A-41671-C20P228	41671-2492	A-41671-C20R208	41671-3418	A-41671-A20T102	41671-3441	A-41671-A20A122
	41671-2470	A-41671-C21P228	41671-2493	A-41671-C21R208	41671-3419	A-41671-A21T102	41671-3442	A-41671-A21A122
	41671-2471	A-41671-C22P228	41671-2494	A-41671-C22R208	41671-3420	A-41671-A22T102	41671-3443	A-41671-A22A122
	41671-2472	A-41671-C23P228	41671-2495	A-41671-C23R208	41671-3421	A-41671-A23T102	41671-3444	A-41671-A23A122
	41671-2473	A-41671-C24P228	41671-2496	A-41671-C24R208	41671-3422	A-41671-A24T102	41671-3445	A-41671-A24A122

REV: AJ	ECR/ECN INFORMATION: EC. NO. UCP2009-1378 DATE: 12/8/2008	TITLE: KK .156 HEADER ASSEMBLY FRICTION LOCK STRAIGHT 2-24 CKTS.		SHEET No. - 5 -
DOCUMENT NUMBER: SD – 41671 - 001		CREATED / REVISED BY: MKIPPER	CHECKED BY: SSOUSEK	APPROVED BY: FSMITH
TEMPLATE FILENAME: PRODUCT_SPEC [SIZE_A](V.1). DOC				

Group No:	A-41671-ANA102-* REF SEE SHT 1		Group No:	A-41671-ANA102-* REF SEE SHT 1		Group No:	A-41671-ANA102-* REF SEE SHT 1	
Pin No:			Pin No:			Pin No:		
Plating:			Plating:			Plating:		
Pin Length L			Pin Length L			Pin Length L		
Mating M			Mating M			Mating M		
Gold Loc G			Gold Loc G			Gold Loc G		
PC Tail P			PC Tail P			PC Tail P		
Tin Loc T			Tin Loc T			Tin Loc T		
Voided Ckts	SEE CHART BELOW		Voided Ckts	SEE CHART BELOW		Voided Ckts	SEE CHART BELOW	
Pack Per			Pack Per			Pack Per		
Material No	Engineer Number	Void Ckts	Material No	Engineer Number	Void Ckts	Material No	Engineer Number	Void Ckts
26-50-3030	A-41671-A03A102-2	2	26-50-3073	A-41671-A07A102-3	3	26-50-3202	A-41671-A20A102-51	2,4,6,8 10,12,14,16
26-50-3040	A-41671-A04A102-2	2	26-50-5080	A-41671-A08A102-51	2,4	26-50-3167	A-41671-A16A102-53	2,4,6,8
26-50-3050	A-41671-A05A102-2	2	26-50-3063	A-41671-A06A102-3	3	26-50-3152	A-41671-A15A102-52	4,6,8,10,12,14
26-50-3060	A-41671-A06A102-2	2	26-50-3071	A-41671-A07A102-52	2,4,6	26-50-3126	A-41671-A12A102-53	2,3,5,6,8,10
26-50-3070	A-41671-A07A102-2	2	26-50-3051	A-41671-A05A102-51	2,4	26-50-3240	A-41671-A24A102-2	2
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26-50-3160	A-41671-A16A102-2	2	26-50-3066	A-41671-A6A102-54	2,4			
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REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
AJ	EC. NO. UCP2009-1378	KK .156 HEADER ASSEMBLY FRICTION LOCK STRAIGHT 2-24 CKTS.	- 6 -
	DATE: 12/8/2008		
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:
SD – 41671 - 001		MKIPPER	SSOUSEK
		APPROVED BY:	
		FSMITH	

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

