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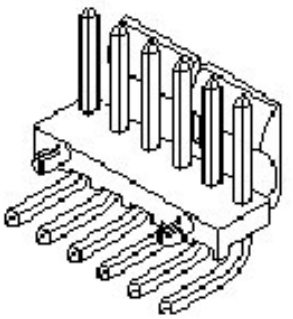
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0428920087

Status: Active

Description: 3.96mm (.156") Pitch KK® Solid Header, Right Angle, Friction Lock, with Snap-in Plastic Peg PCB Lock, 9 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating



Series image - Reference only

Documents:

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

General

Product Family	PCB Headers
Series	42892
Application	Wire-to-Board
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	Yes
PCB Retention	Yes
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)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
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	7A
UL	E29179
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

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

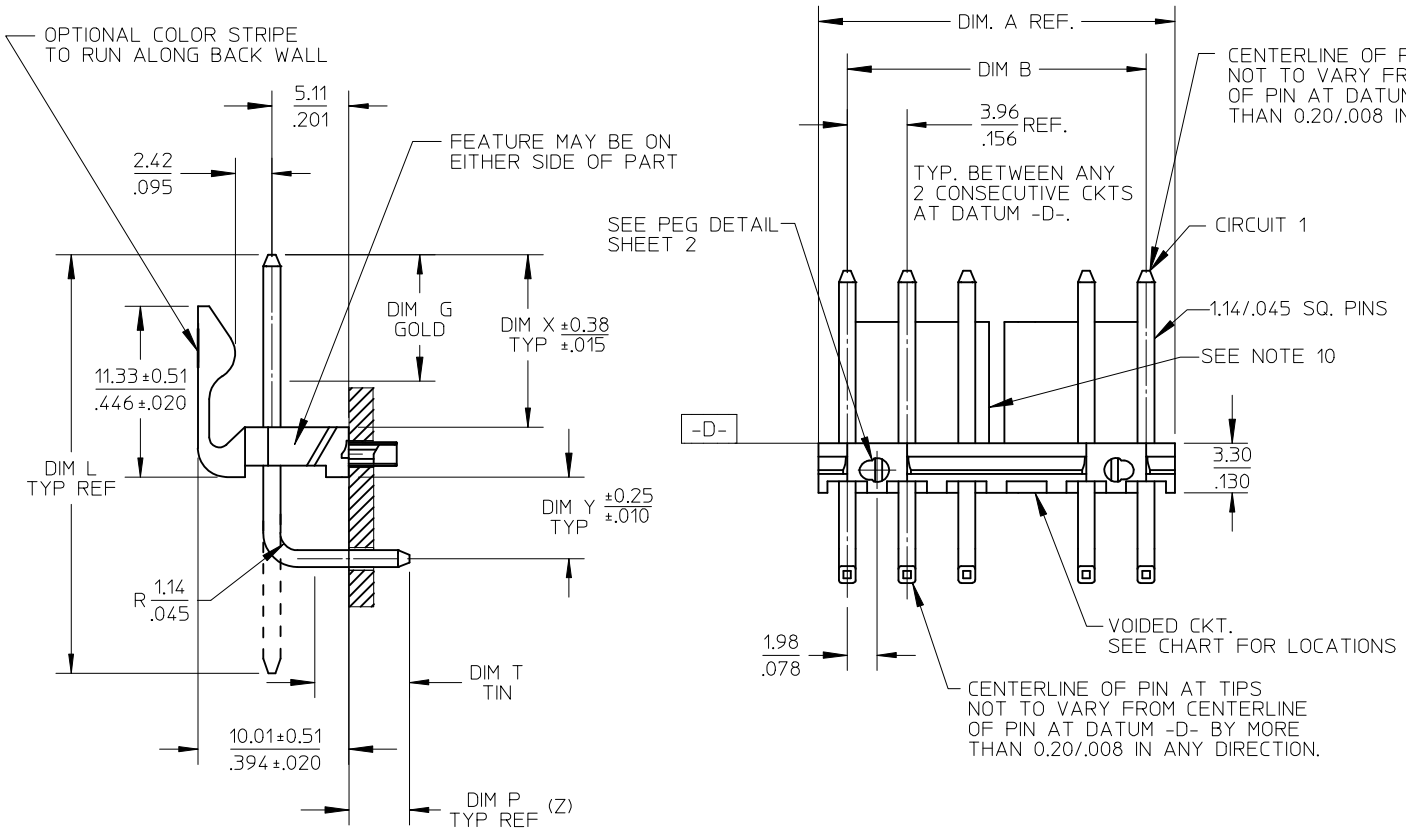
Search Parts in this Series
42892 Series

Mates With
3069 , 2139 , 2145 , 6442 , 7674 , 7675 , 41695 , L ink:41815

Product Specification	PS-08-50
Sales Drawing	SD-42892-001

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NO. OF CKTS.	DIM. A	DIM. B	SLOT LOC BETWEEN CKTS
2	7.77 / .306	3.96±0.05 / .156±.002	NONE
3	11.73 / .462	7.92±0.08 / .312±.003	NONE
4	15.70 / .618	11.89±0.08 / .468±.003	NONE
5	19.66 / .774	15.85±0.10 / .624±.004	NONE
6	23.62 / .930	19.81±0.10 / .780±.004	3 & 4
7	27.58 / 1.086	23.77±0.10 / .936±.004	4 & 5
8	31.55 / 1.242	27.74±0.13 / 1.092±.005	4 & 5
9	35.51 / 1.398	31.70±0.13 / 1.248±.005	5 & 6
10	39.47 / 1.554	35.66±0.13 / 1.404±.005	5 & 6
11	43.43 / 1.710	39.62±0.15 / 1.560±.006	6 & 7
12	47.40 / 1.866	43.59±0.15 / 1.716±.006	4 & 5 / 8 & 9

ADD SLOT
EC NO: UCP2009-2603
DRWN:MKIPPER 2009/05/01
CH'KD:SSOUSEK 2009/05/04
APPR:FSMITH 2009/05/04
DESCRIPTION
G3
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: SCHAFER DATE: 12-12-03
CHECKED BY: SAMIEC DATE: 12-15-03
APPROVED BY: MARGULIS DATE: 12-19-03

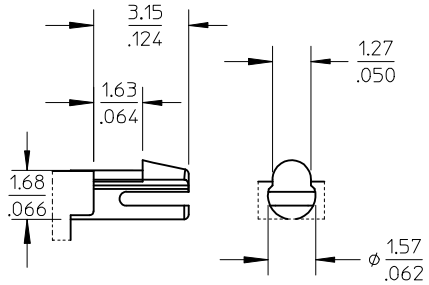
TITLE: FRICTION LOCK HDR. ASSY. .156 BENT SQ PINS W/PEGS RT. ANGLE MOUNT

MOLEX INCORPORATED

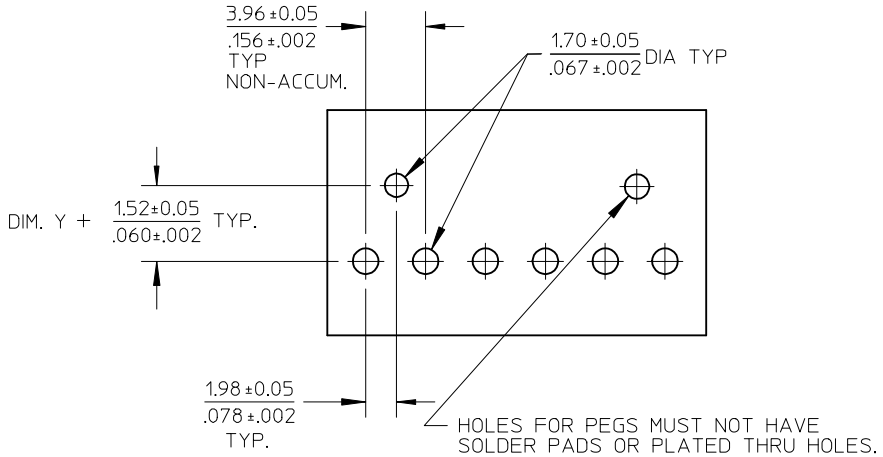
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42892-001
SHEET NO.: 1 OF 2

SIZE A

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



PEG DETAIL



RECOMMENDED PC BOARD HOLE LAYOUT:
COMPONENT SIDE FOR 1.57/.062 THICK PCB

FOR CORRECT ORIENTATION OF PARTS WITH
VOIDS, ELIMINATE CORRESPONDING PCB HOLE.

NOTES:

1. MATERIAL: HEADER-GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL WHITE
   PINS: BRASS
2. FINISHES: (102) OVERALL TIN: 0.00508/.000200 OVER 0.00254/.000100 COPPER
   (208) SELECT GOLD: 0.00038/.000015
   *SELECT TIN: 0.00254/.000100
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050
   (228) SELECT GOLD: 0.00076/.000030
   *SELECT TIN: 0.00254/.000100
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050
   (501) OVERALL GOLD: 0.00051/.000020
   OVERALL NICKEL UNDERPLATE: 0.00076/.000030
3. PRODUCT SPECIFICATION: SEE PS-08-50.
4. PACKAGING INFO: SEE TABLES
5. SOLDERABILITY: PER SMES-152
6. PIN PUSH OUT FORCE: PRIOR TO SOLDERING, A 3 LB MINIMUM FORCE (IN EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
7. PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERS.
8. FOR PART WITHOUT PEGS SEE DWG. NO. SDA-41792.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
10. SLOTS ON BACKWALL ARE BETWEEN CIRCUITS. SEE CHART FOR LOCATION.

SEE SHEET 1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS / THIRD ANGLE PROJECTION
EC NO: UCP2009-2603 2009/05/01		▼=0		mm / INCH	MM/IN	2:1	INCH
DR'WN:MKIPPER 2009/05/04		Ⓒ=0	4 PLACES	± --- / ± ---	DRAWN BY: SCHAFER DATE: 12-12-03	TITLE: FRICTION LOCK HDR. ASSY. .156 BENT SQ PINS W/PEGS RT. ANGLE MOUNT	
CH'KD:SSOUSEK 2009/05/04			3 PLACES	± --- / ± .010	CHECKED BY: SAMIEC DATE: 12-15-03		
APPR:FSMITH 2009/05/04			2 PLACES	± 0.25 / ± .015	APPROVED BY: MARGULIS DATE: 12-19-03	molex MOLEX INCORPORATED	
G3	REV		1 PLACE	± 0.38 / ± ---	MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-42892-001	SHEET NO.: 2 OF 2
			ANGULAR ±1/2°		SIZE: A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

OPTIONS								
	Group	A-42892-0002/0018	Group	A-42892-0080/0096	Group	A-42892-0097/0113	Group	A-42892-0019/0035
	Header No:	41790-0070/0086	Header No:	41790-0070/0086	Header No:	41790-0070/0086	Header No:	41790-0070/0086
	Pin No:	2161-62(102)	Pin No:	43294-0452	Pin No:	43290-0453	Pin No:	2161-62(501)
	Plating:	102	Plating:	208	Plating:	228	Plating:	501
	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980
	Mating M	11.43/ .450	Mating M	11.43/ .450	Mating M	11.43/ .450	Mating M	11.43/.450
	Gold Loc G	N/A	Gold Loc G	6.86/ .270	Gold Loc G	6.86/ .270	Gold Loc G	OVERALL
	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111
	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130
	Tin Loc T	OVERALL	Tin Loc T	4.06/ .160	Tin Loc T	4.06/ .160	Tin Loc T	N/A
	Voided Ckts	NONE	Voided Ckts	NONE	Voided CKts	NONE	Voided Ckts	NONE
	Pack Per	PK-42492-002	Pack Per	PK-42492-002	Pack Per	PK-42492-002	Pack Per	PK-42492-002

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	26-60-7020	A-42892-0002	42892-0080	A-42892-0080	42892-0097	A-42892-0097	26-60-7021	A-42892-0019
3	26-60-7030	A-42892-0003	42892-0081	A-42892-0081	42892-0098	A-42892-0098	26-60-7031	A-42892-0020
4	26-60-7040	A-42892-0004	42892-0082	A-42892-0082	42892-0099	A-42892-0099	26-60-7041	A-42892-0021
5	26-60-7050	A-42892-0005	42892-0083	A-42892-0083	42892-0100	A-42892-0100	26-60-7051	A-42892-0022
6	26-60-7060	A-42892-0006	42892-0084	A-42892-0084	42892-0101	A-42892-0101	26-60-7061	A-42892-0023
7	26-60-7070	A-42892-0007	42892-0085	A-42892-0085	42892-0102	A-42892-0102	26-60-7071	A-42892-0024
8	26-60-7080	A-42892-0008	42892-0086	A-42892-0086	42892-0103	A-42892-0103	26-60-7081	A-42892-0025
9	26-60-7090	A-42892-0009	42892-0087	A-42892-0087	42892-0104	A-42892-0104	26-60-7091	A-42892-0026
10	26-60-7100	A-42892-0010	42892-0088	A-42892-0088	42892-0105	A-42892-0105	26-60-7101	A-42892-0027
11	26-60-7110	A-42892-0011	42892-0089	A-42892-0089	42892-0106	A-42892-0106	26-60-7111	A-42892-0028
12	26-60-7120	A-42892-0012	42892-0090	A-42892-0090	42892-0107	A-42892-0107	26-60-7121	A-42892-0029

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
G2	EC NO: **UCP2008-0727** DATE **10/8/2007**	**FRICTION LOCK HDR. ASSY. .156 BENT SQ PINS W/PEGS RT. ANGLE MOUNT**	**- 3 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42892-001	**ADERR**	**ADERR**	**FSMITH**

OPTIONS								
	Group	A-42892-0036/0052	Group	A-42892-0053/0067	Group	A-42892-0068/0079	Group	A-42892-0114/0118
	Header No:	41790-0070/0086	Header No:	41790-0070/0086	Header No:	41790-0070/0086	Header No:	41790-0070/0086
	Pin No:	2161-62(102)	Pin No:	2161-62(102)	Pin No:	2161-62(102)	Pin No:	2161-62(102)
	Plating:	102	Plating:	102	Plating:	102	Plating:	102
	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980	Pin Length L	24.89/ .980
	Mating M	11.43/ .450	Mating M	11.43/ .450	Mating M	11.43/ .450	Mating M	11.43/ .450
	Gold Loc G	N/A	Gold Loc G	N/A	Gold Loc G	N/A	Gold Loc G	N/A
	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111	Dim. Y	2.82/ .111
	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130	PC Tail P	3.30/ .130
	Tin Loc T	OVERALL	Tin Loc T	OVERALL	Tin Loc T	OVERALL	Tin Loc T	OVERALL
	Voided Ckts	2	Voided Ckts	4	Voided CKts	7	Voided Ckts	2, 4, 6, 8, 10, 14
	Pack Per	PK-42492-002	Pack Per	PK-42492-002	Pack Per	PK-42492-002	Pack Per	PK-42492-002

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	26-62-7020	A-42892-0036						
3	26-62-7030	A-42892-0037						
4	26-62-7040	A-42892-0038	26-62-7041	A-42892-0053				
5	26-62-7050	A-42892-0039	26-62-7051	A-42892-0054				
6	26-62-7060	A-42892-0040	26-62-7061	A-42892-0055				
7	26-62-7070	A-42892-0041	26-62-7071	A-42892-0056	26-62-7072	A-42892-0068		
8	26-62-7080	A-42892-0042	26-62-7081	A-42892-0057	26-62-7082	A-42892-0069		
9	26-62-7090	A-42892-0043	26-62-7091	A-42892-0058	26-62-7092	A-42892-0070		
10	26-62-7100	A-42892-0044	26-62-7101	A-42892-0059	26-62-7102	A-42892-0071		
11	26-62-7110	A-42892-0045	26-62-7111	A-42892-0060	26-62-7112	A-42892-0072		
12	26-62-7120	A-42892-0046	26-62-7121	A-42892-0061	26-62-7122	A-42892-0073		

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
G2	EC NO: **UCP2008-0727** DATE **10/8/2007**	**FRICTION LOCK HDR. ASSY. .156 BENT SQ PINS W/PEGS RT. ANGLE MOUNT**	**- 4 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42892-001	**ADERR**	**ADERR**	**FSMITH**

OPTIONS								
	Group	A-42892-0119/0133	Group		Group		Group	
	Header No:	41790-0070/0086	Header No:		Header No:		Header No:	
	Pin No:	2161-62(102)	Pin No:		Pin No:		Pin No:	
	Plating:	102	Plating:		Plating:		Plating:	
	Pin Length L	24.89/ .980	Pin Length L		Pin Length L		Pin Length L	
	Mating M	11.43/ .450	Mating M		Mating M		Mating M	
	Gold Loc G	N/A	Gold Loc G		Gold Loc G		Gold Loc G	
	Dim. Y	2.82/ .111	Dim. Y		Dim. Y		Dim. Y	
	PC Tail P	3.30/ .130	PC Tail P		PC Tail P		PC Tail P	
	Tin Loc T	OVERALL	Tin Loc T		Tin Loc T		Tin Loc T	
	Voided Ckts	2, 4	Voided Ckts		Voided CKts		Voided Ckts	
	Pack Per	PK-42492-002	Pack Per		Pack Per		Pack Per	

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2								
3								
4	42892-0119	A-42892-0119						
5	42892-0120	A-42892-0120						
6	42892-0121	A-42892-0121						
7	42892-0122	A-42892-0122						
8	42892-0123	A-42892-0123						
9	42892-0124	A-42892-0124						
10	42892-0125	A-42892-0125						
11	42892-0126	A-42892-0126						
12	42892-0127	A-42892-0127						

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
G2	EC NO: **UCP2008-0727** DATE **10/8/2007**	**FRICTION LOCK HDR. ASSY. .156 BENT SQ PINS W/PEGS RT. ANGLE MOUNT**	**- 5 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42892-001	**ADERR**	**ADERR**	**FSMITH**