

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0456610006](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Solid Header, Vertical, with Friction Lock, 6 Circuits, 5.00µm (200µ") Tin (Sn) Plating, Lead-free

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family PCB Headers
Series [45661](#)
Application Wire-to-Board
Product Name KK®

Physical

Breakaway No
Circuits (Loaded) 6
Circuits (maximum) 6
Circuits Detail Circuit 1,6 with longer pins
Color - Resin White
Durability (mating cycles max) 25
First Mate / Last Break Yes
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Plating Mating Tin
Material - Plating Termination Nickel
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention None
Packaging Type Bag
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Plating min: Mating (µin) 200
Plating min: Mating (µm) 5
Plating min: Termination (µin) 49
Plating min: Termination (µm) 1.25
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

Current - Maximum per Contact 4A
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

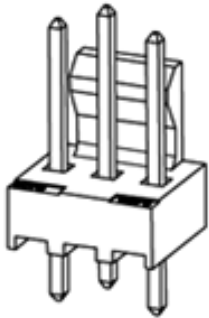


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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.

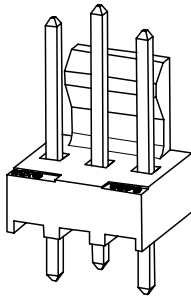
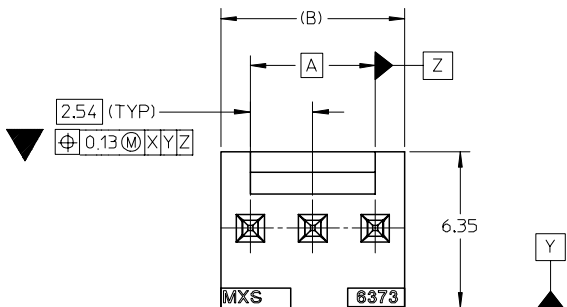
Search Parts in this Series
[45661Series](#)

Process Temperature max. C	235
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-45661-003

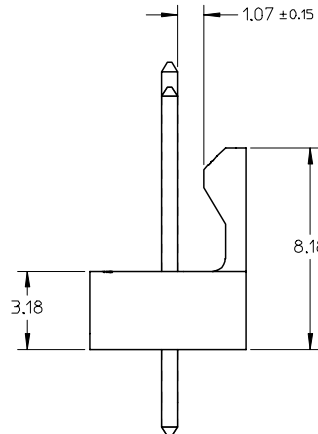
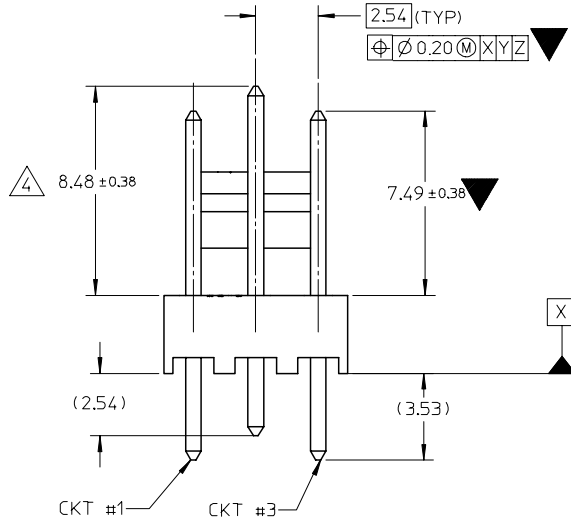
This document was generated on 03/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

ASSEMBLY	CKT	CKT # WITH LONGER PINS 	QUANTITY PER BAG	DIM. A	DIM. B
45661-0003	3	2	500	5.08	7.47
45661-0006	6	1, 6	300	12.70	15.09

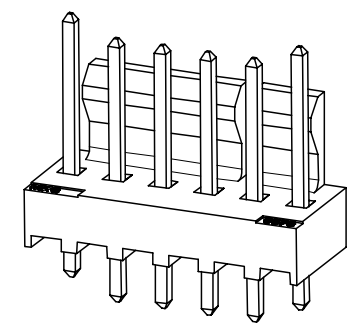
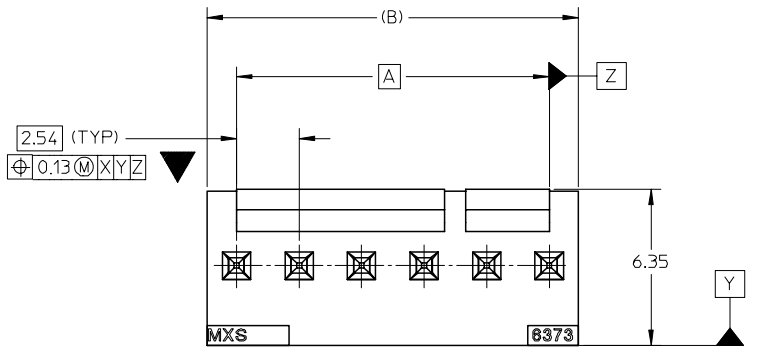


3CKT ASSEMBLY

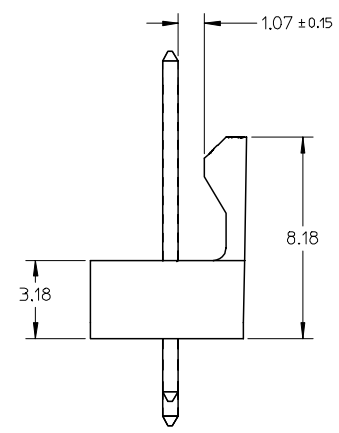
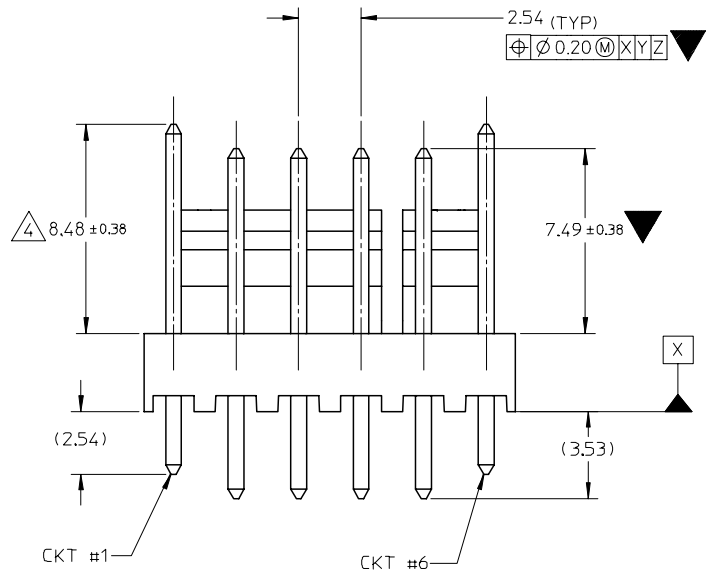


- NOTES:
1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
 2. FINISH: 5.00µm MIN. TIN OVER 1.25µm MIN. NICKEL UNDERPLATE OVERALL.
 3. PRODUCT SPECIFICATION: PS-10-07
 -  4. REFER TO TABLE FOR FIRST MATE LAST BREAK PIN'S POSITION.

EC NO: S2006-0696 DRWNSKL IM01 2005/12/30 CHKD:80KOK 2006/01/03 APPR:PATEY 2006/01/03	DESCRIPTION REV	QUALITY SYMBOLS ▼=3 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY KSAMIEC	DATE 2003/10/06	KK 100 HEADER FRLK WITH MULTIPLY MATING		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	MARGULIS	2003/10/06			
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE			
			1 PLACE	± 0.38	± ---	MARGULIS	2003/10/06			
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-45661-003		1 OF 2	
A2					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



6CKT ASSEMBLY



EC NO: S2006-0696 DRWN:SKL1M01 CHKD:80KOK APPR:PATEY	2005/12/30 2006/01/03 2006/01/03	DESCRIPTION REV	QUALITY SYMBOLS ▽=3 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY KSAMIEC	DATE 2003/10/06	NTS KK 100 HEADER FRLK WITH MULTIPLY MATING		
				4 PLACES	± ---	± ---	CHECKED BY	DATE			
				3 PLACES	± ---	± ---	MARGULIS	2003/10/06			
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE			
				1 PLACE	± 0.38	± ---	MARGULIS	2003/10/06		MOLEX INCORPORATED	
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-45661-003		2 OF 2	
A2						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				