

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0456611004](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Solid Header, Vertical, with Friction Lock, 3 Circuits, 0.75µm (30µ") Gold (Au) 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

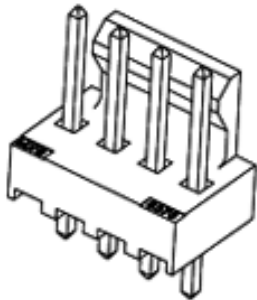
Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin White
Durability (mating cycles max) 25
First Mate / Last Break No
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.140 In
PC Tail Length (mm) 3.56 mm
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) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 75
Plating min: Termination (µm) 1.88
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)



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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
[45661Series](#)

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

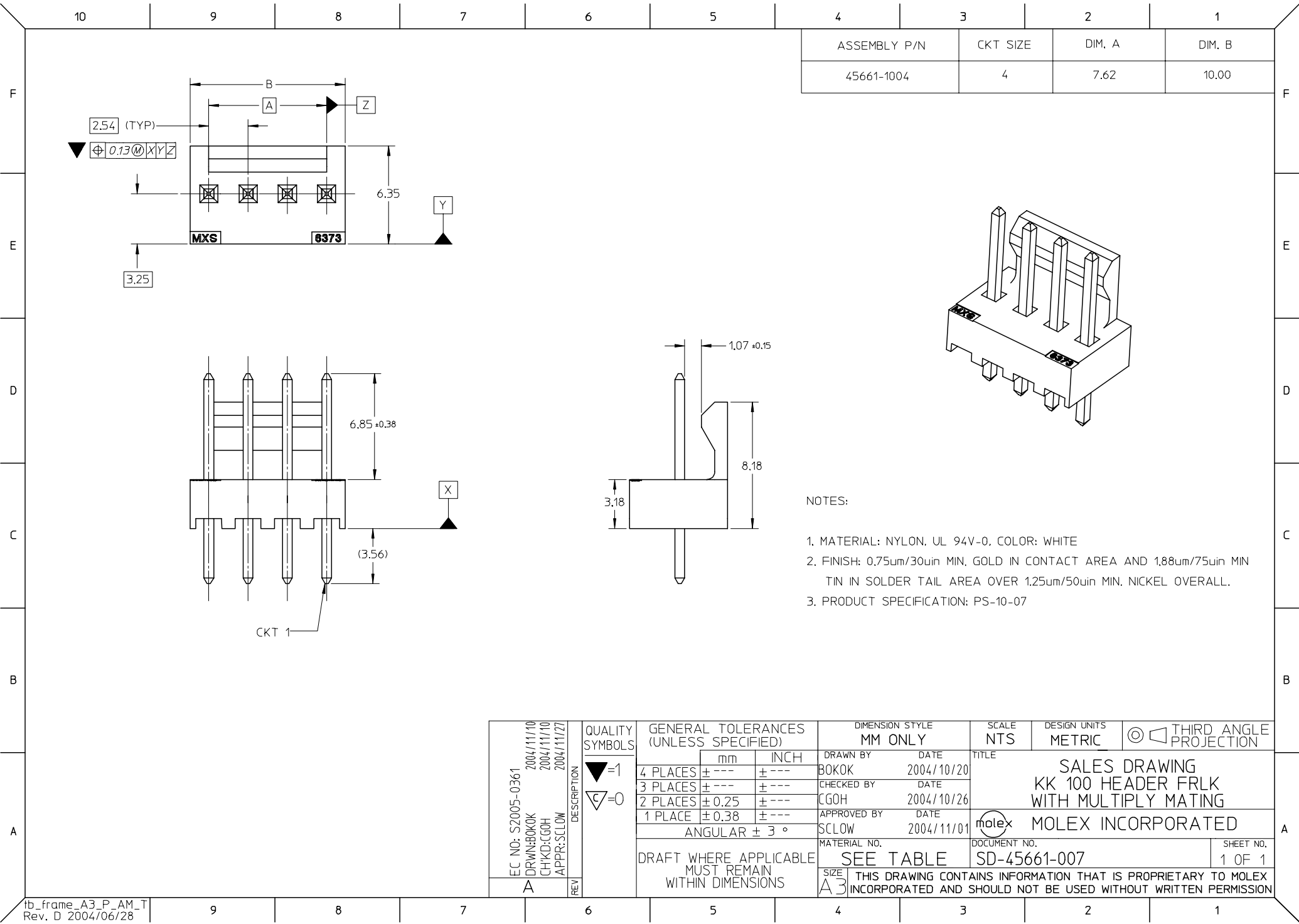
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-45661-007
---------------	--------------

This document was generated on 04/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



ASSEMBLY P/N	CKT SIZE	DIM. A	DIM. B
45661-1004	4	7.62	10.00

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
2. FINISH: 0.75um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.25um/50uin MIN. NICKEL OVERALL.
3. PRODUCT SPECIFICATION: PS-10-07

EC NO: S2005-0361 DRWN:BOKOK CHKD:CGH APPR:SCLOW	DESCRIPTION REV	QUALITY SYMBOLS ▽=1 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE SALES DRAWING KK 100 HEADER FRLK WITH MULTIPLY MATING				
			4 PLACES	± ---	± ---	BOKOK	2004/10/20					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.25	± ---	CGOH	2004/10/26	MOLEX INCORPORATED				
			1 PLACE	± 0.38	± ---	APPROVED BY	DATE					
ANGULAR ± 3 °			SCLOW		2004/11/01	MOLEX						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.					SHEET NO.		
			SEE TABLE		SD-45661-007					1 OF 1		
A					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						