

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0470806005](#)  
**Status:** **Obsolete**  
**Overview:** [serial\\_ata\\_signal\\_plugs](#)  
**Description:** 1.27mm (.050") Pitch Serial ATA Shrouded Signal Plug, Surface Mount, 7 Circuits, with Peg and Locking Latch, Color Blue, 0.38µm (15µ") Gold (Au) Plating, Lead-free

**Documents:**  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">47080</a>
Application	Board-to-Board, Signal, Wire-to-Board
Overview	<a href="#">serial_ata_signal_plugs</a>
Product Name	Serial ATA

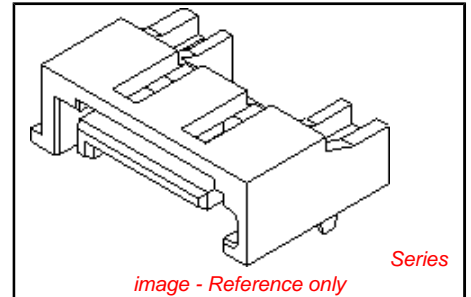
**Physical**

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Blue
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm (.063")
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.27mm (.050")
Plating min - Mating	0.381µm (15µ")
Plating min - Termination	1.905µm (75µ")
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V

**Solder Process Data**



<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>          Not Reviewed  <b>Low-Halogen Status</b>          Not Reviewed</p>	<p><b>China RoHS</b></p>
--	--------------------------

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

Email [productcompliance@molex.com](mailto: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**  
[47080Series](#)

**Mates With**  
[67489](#) Serial ATA Signal Connect. ATA  
 Straight to Straight Signal Cable Assembly  
[887505310](#) , [887505318](#) , [887505410](#) ,  
[887505418](#)

Lead-free Process Capability  
Process Temperature max. C

Reflow Capable (SMT only)  
230

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-67490-001, RPS-67490-002  
SD-47080-001

This document was generated on 02/01/2011

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**