

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

**Part Number:** [0465111000](#)  
**Status:** **Active**  
**Description:** 2.50mm (.098") Pitch SPOX™ BMI Header Assembly, Single Row, Vertical, 6 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-45579-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family PCB Headers  
 Series [46511](#)  
 Application Wire-to-Board  
 Product Name SPOX BMI™

**Physical**

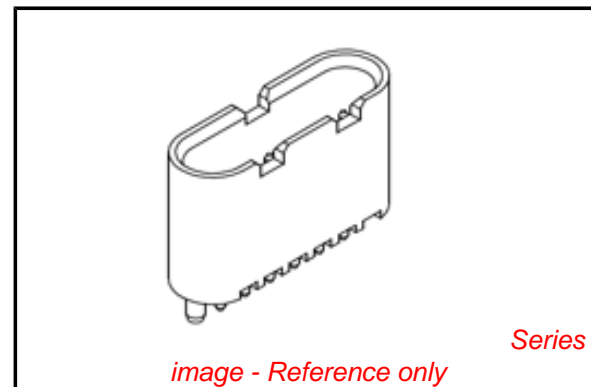
Breakaway No  
 Circuits (Loaded) 6  
 Circuits (maximum) 6  
 Durability (mating cycles max) 25  
 First Mate / Last Break No  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.109 In  
 PC Tail Length (mm) 2.76 mm  
 PCB Locator Yes  
 PCB Thickness Recommended (in) 0.071 In  
 PCB Thickness Recommended (mm) 1.80 mm  
 Packaging Type Bag  
 Pitch - Mating Interface (in) 0.098 In  
 Pitch - Mating Interface (mm) 2.50 mm  
 Pitch - Term. Interface (in) 0.098 In  
 Pitch - Term. Interface (mm) 2.50 mm  
 Plating min: Mating (µin) 101.6  
 Plating min: Mating (µm) 2.54  
 Plating min: Termination (µin) 101.6  
 Plating min: Termination (µm) 2.54  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Closed Ends  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating 0°C to +75°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3A  
 Voltage - Maximum 250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**



**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](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**

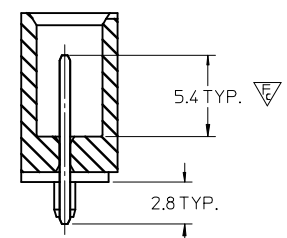
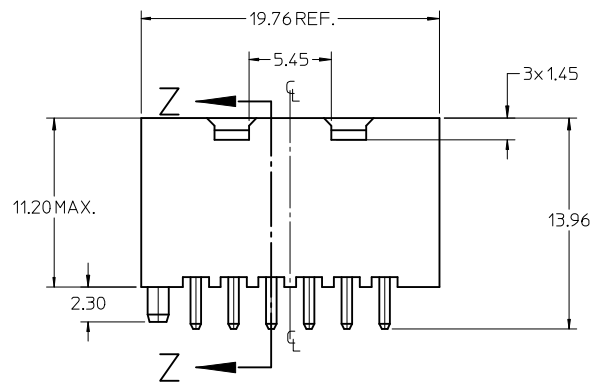
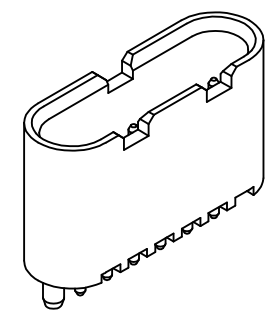
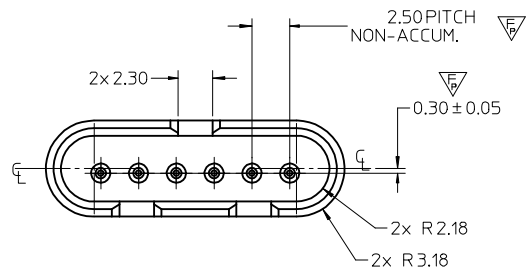
[46511Series](#)

**Mates With**

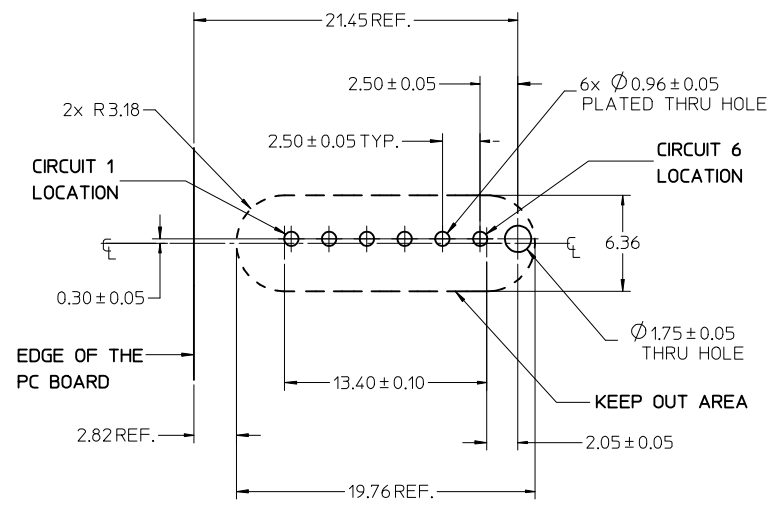
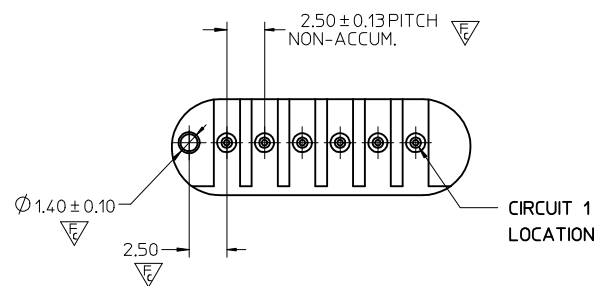
[46528 Receptacle](#)

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SECTION Z-Z



PCB LAYOUT: COMPONENT SIDE  
PCB THICKNESS: 1.80MM

- NOTES:
1. HOUSING MATERIAL: LCP, 94 V-0, BLACK  
PIN MATERIAL: 0.7mm ROUND BRASS  
PIN PLATING: 2.5µm (100Mn) TIN OVER  
1.25µm (50Mn) NICKEL.
  2. PART MATES WITH MOLEX RECEPTACLE SERIES 46528.
  3. PACKAGING SPECIFICATION: 500PCS. IN 96707-0012 SHIPPING CARTON, PADDED WITH PINK FOAM ON TOP AND BOTTOM.
  4. WHEN THIS PRODUCT IS USED IN A BLIND MATING APPLICATION THE SYSTEM LEVEL DESIGN MUST INCORPORATE GUIDANCE SO THE CONNECTORS ARE WITHIN THE CAPTURE ENVELOPE OF THE FLANGES ON THE HEADER OR PLUG HOUSING AND CAN THUS ALIGN THEMSELVES AS THEY COME TOGETHER.  
FLOAT IS ALSO REQUIRED IN THE OVERALL DESIGN, TO ALLOW THE PCB RECEPTACLE OR IT'S MATE TO MOVE INTO A STRESS-FREE POSITION AFTER MATING.
  5. PRODCUT SPECIFICATION: PS-45579-001

REVIEWED DIM. TOL. EC NO: UCP2009--1044 2008/10/22 DRAWN: DROSCA CHKD: JCOMERC I 2008/10/23 APPR: JCOMERC I 2008/10/23	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION	
	▽ = 0	mm	INCH	DRAWN BY DROSCA	DATE 04/10/2007	TITLE <b>SPOX BMI HEADER ASSEMBLY VERTICAL, SINGLE ROW 1X6 2.5MM SPACING</b>			
	▽ = 3	4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY JCOMERC I	DATE 04/10/2007				
	▽ = 2	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	APPROVED BY JCOMERC I	DATE 04/10/2007	MATERIAL NO. <b>46511-1000</b>		DOCUMENT NO. <b>SD-46511-100</b>	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			