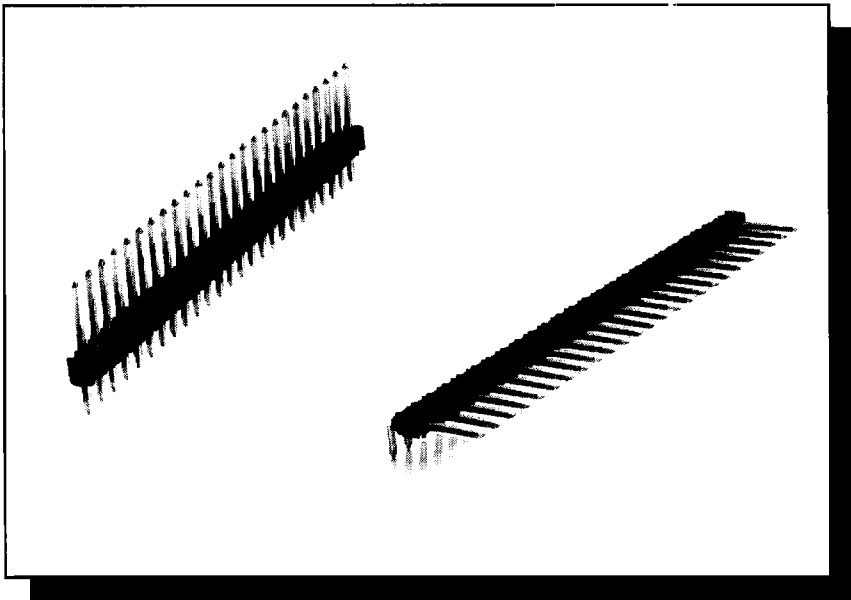


PWB Headers (A011-A012 Series)



The Augat A011 and A012 series single row breakaway headers with either straight or right angle 0.64/.025² inch posts on 2.54/.100 inch centerlines are utilized for PWB to PWB and wire to PWB interconnecting or as header posts for shunting (shorting) receptacles.

Performance Characteristics

- Current Ratings: 3 Amps
- Capacitance (Adjacent Pins Max.): .35pF Avg. per MIL-STD-202 Method 305
- Durability: 50 cycles per MIL-STD-1344 Method 2016
- Insulation Resistance: 5×10^6 Megohms Min. per MIL-STD-1344 Method 3003.1
- Dielectric Withstanding Voltage (DWV): 1000 Volts (RMS) per MIL-STD-1344 Method 3001.1
- Operating Temperature: $-55^{\circ}\text{C} + 105^{\circ}\text{C}$
- Pin Retention: 5.6 lbs. Min. per MIL-STD-1344 Method 2007.1
- Solderability: Passed MIL-STD-202 Method 208
- Conforms to European Specifications HE13, HE14

Features

- Easy breakaway insulator
- Straight, right angle, single row, 2-50 positions
- 94V-0 thermoplastic insulators with integral standoffs
- Variety of gold and tin platings and thicknesses
- Worldwide variations of mating posts and solder tail lengths

Benefits

- Design versatility and efficiency
- Unlimited design options and packaging flexibility
- Compatible with various temperature conditions and cleaning processes
- Designed for economical and application diversity
- Design flexibility worldwide

Materials

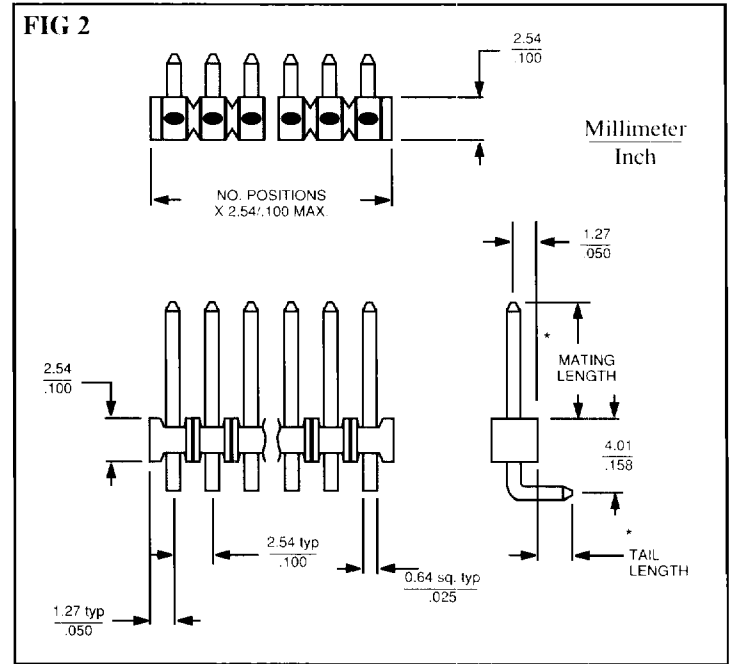
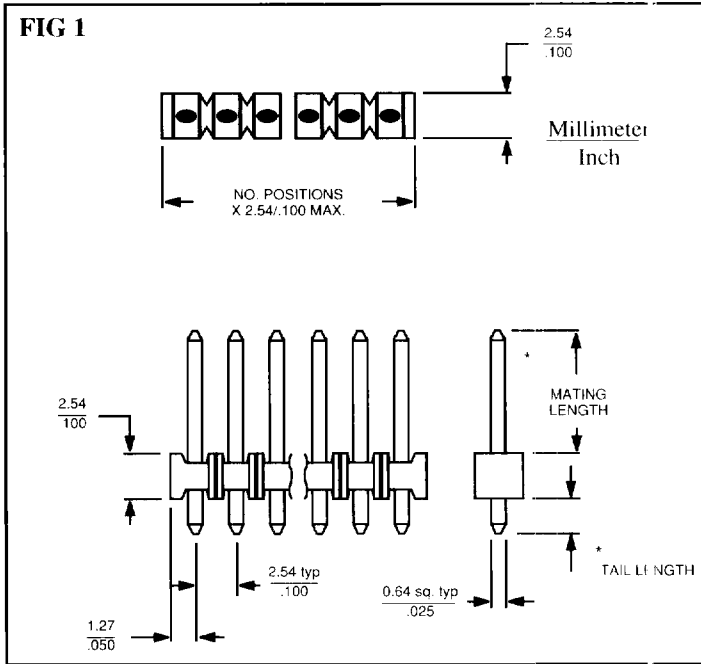
- Insulator: Flame retardant 94V-0 30% glass filled, polyester thermoplastic
- Post: Copper Alloy
- Platings: 50 (1.27 μm) μm nickel sub-plate
30 (.76 μm) μm gold mating side,
150 (3.8 μm) μm tin lead solder tail side

150 (3.8 μm) μm tin lead entire post

10 (.25 μm) μm gold mating side,
150 (3.8 μm) μm tin lead solder tail side

A011 Series

A012 Series



Straight - Single Row

Right Angle - Single Row

Fig.	Part Number	*Plating	No. of Posts	*Mating/Tail Lengths
1	A011-XXX-YB-501†	Tin Lead	1-50	6.8/.268
	A011-XXX-YC-501†	Select Gold 10µ"		2.9/.114
	A011-XXX-YE-501†	Select Gold 30µ"		
	A011-XXX-YB-502	Tin Lead		6.8/.268
	A011-XXX-YC-502	Select Gold 10µ"		3.7/.146
	A011-XXX-YE-502	Select Gold 30µ"		
	A011-XXX-YB-511†	Tin Lead		6.9/.232
	A011-XXX-YC-511†	Select Gold 10µ"		2.9/.114
	A011-XXX-YE-511†	Select Gold 30µ"		
	A011-XXX-YB-512	Tin Lead		5.9/.232
	A011-XXX-YC-512	Select Gold 10µ"		3.7/.146
	A011-XXX-YE-512	Select Gold 30µ"		
	A011-XXX-YB-531†	Tin Lead		8.0/.315
	A011-XXX-YC-531†	Select Gold 10µ"		2.9/.114
	A011-XXX-YE-531†	Select Gold 30µ"		
	A011-XXX-YB-532	Tin Lead		8.0/.315
A011-XXX-YC-532	Select Gold 10µ"	3.7/.146		
A011-XXX-YE-532	Select Gold 30µ"			

Fig.	Part Number	*Plating	No. of Posts	*Mating/Tail Lengths
2	A012-XXX-YB-501†	Tin Lead	1-50	6.8/.268
	A012-XXX-YC-501†	Select Gold 10µ"		2.9/.114
	A012-XXX-YE-501†	Select Gold 30µ"		
	A012-XXX-YB-502	Tin Lead		6.8/.268
	A012-XXX-YC-502	Select Gold 10µ"		3.7/.146
	A012-XXX-YE-502	Select Gold 30µ"		
	A012-XXX-YB-511†	Tin Lead		6.9/.232
	A012-XXX-YC-511†	Select Gold 10µ"		2.9/.114
	A012-XXX-YE-511†	Select Gold 30µ"		
	A012-XXX-YB-512	Tin Lead		5.9/.232
	A012-XXX-YC-512	Select Gold 10µ"		3.7/.146
	A012-XXX-YE-512	Select Gold 30µ"		
	A012-XXX-YB-531†	Tin Lead		8.0/.315
	A012-XXX-YC-531†	Select Gold 10µ"		2.9/.114
	A012-XXX-YE-531†	Select Gold 30µ"		
	A012-XXX-YB-532	Tin Lead		8.0/.315
A012-XXX-YC-532	Select Gold 10µ"	3.7/.146		
A012-XXX-YE-532	Select Gold 30µ"			

To Order: Replace XXX with total number of posts

Example: 4 posts A011-004-YB-511

† Stock items *Other platings and lengths available upon request

Mating Receptacles

Recommended Mounting

