

## "LITTEL-JAX" PHONE JACKS

**A.** Quality phone jacks that mate with standard 1/4" phone plugs. Notched insulating washers mechanically interlock springs and solder lugs "V" bend in tip spring firmly holds mating plug. Minimum space requirements. Economical. Mounts in single 3/8" hole, panels up to 3/32" thick, except **L-11** and **L-12A** in panels up to 1/4" thick.

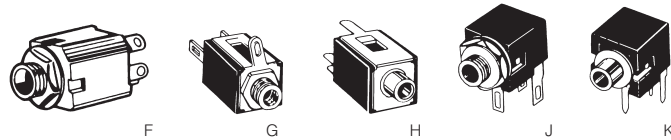
**B.** "Littel-Jax" **PC-12A** for printed circuit mounting. Std. 1/4" dia. jack with all the construction features of standard "Littel-Jax". Same circuit as in **No. 12A**.

**No. 14B** Stereo "Littel-Jax" switches-out speakers when connecting stereo headphones. Dual N.C. switch contacts open both stereo circuits independently when a 3-conductor plug is inserted.

Cat. No.	Schematic No.	Typical Mating Plug	Variation or MIL Type	Net Price Each			
				1-9	10-99	100-499	500-Up
<b>TWO-CONDUCTOR TYPES</b>							
<b>11</b>	I	250	—	<b>\$5.95</b>	<b>\$2.97</b>	<b>\$2.07</b>	<b>\$1.53</b>
<b>C11</b>	I	440	JJ-034	<b>8.64</b>	<b>4.31</b>	<b>3.03</b>	<b>2.23</b>
<b>L11</b>	I	250	3/8" long bushing .210" I.D. sleeve	<b>6.06</b>	<b>3.04</b>	<b>2.12</b>	<b>1.57</b>
<b>S11</b>	I	S-250	—	<b>6.29</b>	<b>3.14</b>	<b>2.20</b>	<b>1.63</b>
<b>12A</b>	III	250	—	<b>5.95</b>	<b>2.97</b>	<b>2.07</b>	<b>1.53</b>
<b>C12A</b>	III	440	JJ-089	<b>10.78</b>	<b>5.39</b>	<b>3.78</b>	<b>2.79</b>
<b>L12A</b>	III	250	3/8" long	<b>6.62</b>	<b>3.32</b>	<b>2.31</b>	<b>1.70</b>
<b>PC12A</b>	III	250	—	<b>7.63</b>	<b>3.82</b>	<b>2.66</b>	<b>1.96</b>
<b>13</b>	V	250	—	<b>14.14</b>	<b>7.08</b>	<b>4.95</b>	<b>3.65</b>
<b>13A</b>	VI	250	—	<b>14.37</b>	<b>7.18</b>	<b>5.02</b>	<b>3.70</b>
<b>13E</b>	IX	250	—	<b>15.15</b>	<b>7.58</b>	<b>5.30</b>	<b>3.91</b>

## TWO-CONDUCTOR TYPES

Cat. No.	Schematic No.	Typical Mating Plug	Variation or MIL Type	Net Price Each			
				1-9	10-99	100-499	500-Up
<b>TWO-CONDUCTOR TYPES</b>							
<b>12B</b>	IV	267	—	<b>6.17</b>	<b>3.09</b>	<b>2.16</b>	<b>1.59</b>
<b>C12B</b>	IV	480	JJ-033	<b>12.12</b>	<b>6.06</b>	<b>4.23</b>	<b>3.12</b>
<b>L12B</b>	IV	267	3/8" long bushing .210" I.D. sleeve	<b>6.96</b>	<b>3.49</b>	<b>2.44</b>	<b>1.80</b>
<b>S12B</b>	IV	S267	—	<b>9.43</b>	<b>4.71</b>	<b>3.30</b>	<b>2.43</b>
<b>13B</b>	VIII	267	—	<b>14.70</b>	<b>7.36</b>	<b>5.15</b>	<b>3.80</b>
<b>S13B</b>	VIII	S267	.210" I.D. sleeve Stereo	<b>13.24</b>	<b>6.63</b>	<b>4.63</b>	<b>3.42</b>
<b>14B</b>	XII	267	—	<b>14.93</b>	<b>7.46</b>	<b>5.22</b>	<b>3.85</b>



## HI-D JAX ENCLOSED PHONE JACKS

**F.** Smaller, more compact phone jacks mate with std. 1/4" phone plugs. Molded box body protects integral silver-plated, nickel silver springs. Low contact resistance and electrical leakage with little capacity between the springs. Mounts on 5/8" centers in single 3/8" hole in panels up to 5/32" thick, depth behind panel 1 7/32". All part Nos. with "L" prefix mount in panels up to 1/4" thick; part Nos. with "N" prefix feature a threaded nylon bushing to provide complete insulation of jack sleeve from mtg. panel. Part Nos. with "NL" prefix feature a 3/8" long threaded nylon bushing (same as "N" series) and mount in panels up to 1/4" thick. All part Nos. with "M" prefix are designed and adjusted to mate with telephone and MIL-std. plugs. Tip and ring (3-cond.) springs are gold plated, and shunt and isolate switching circuits (where used) have welded cross bar palladium contacts for stable, low resistance interconnections in sensitive and critical circuits. Prefix "MN" is same as "M," above, except bushing is molded nylon, Stereo Hi-D "Jax" jacks, Nos. 114B and L-114B switch-out speakers when connecting stereo headphones. Dual N.C. switch contacts open both stereo circuits independently when a 3-cond. plug is inserted.

Hi-D Jax jacks with (Suffix PC) terms. mount to single- and double-sided, and multilayer boards up to 3/32" thick. Standoff shoulders on terms. provide stable mtg. Perfectly compatible with wave, dip or hand soldering. Lock nut and washer supplied for addit. mtg. to chassis/panel.

Cat. No.	Schematic No.	Typical Mating Plug	Net Price Each			
			1-9	10-99	100-499	500-Up
<b>TWO CONDUCTOR TYPE</b>						
<b>111</b>	I	250	<b>\$5.84</b>	<b>\$2.92</b>	<b>\$2.05</b>	<b>\$1.52</b>
<b>111PC</b>	I	250	<b>5.84</b>	<b>2.92</b>	<b>2.05</b>	<b>1.52</b>
<b>N111</b>	I	250	<b>6.85</b>	<b>3.42</b>	<b>2.40</b>	<b>1.78</b>
<b>NL111</b>	I	250	<b>7.18</b>	<b>3.59</b>	<b>2.51</b>	<b>1.85</b>
<b>112A</b>	III	250	<b>5.95</b>	<b>2.97</b>	<b>2.07</b>	<b>1.53</b>
<b>112APC</b>	III	250	<b>5.95</b>	<b>2.97</b>	<b>2.07</b>	<b>1.53</b>
<b>N112A</b>	III	250	<b>7.18</b>	<b>3.59</b>	<b>2.51</b>	<b>1.85</b>
<b>NL112A</b>	III	250	<b>7.29</b>	<b>3.64</b>	<b>2.55</b>	<b>1.89</b>
<b>N113</b>	V	250	<b>7.07</b>	<b>3.54</b>	<b>2.47</b>	<b>1.83</b>
<b>NL113</b>	V	250	<b>7.07</b>	<b>3.54</b>	<b>2.47</b>	<b>1.83</b>
<b>THREE CONDUCTOR TYPES</b>						
<b>112B</b>	IV	267	<b>6.06</b>	<b>3.04</b>	<b>2.12</b>	<b>1.57</b>
<b>112BPC</b>	IV	267	<b>6.06</b>	<b>3.04</b>	<b>2.12</b>	<b>1.57</b>
<b>L112B</b>	IV	267	<b>6.17</b>	<b>3.09</b>	<b>2.16</b>	<b>1.59</b>
<b>MN112B</b>	IV	482	<b>9.77</b>	<b>4.89</b>	<b>3.42</b>	<b>2.53</b>
<b>N112B</b>	IV	267	<b>7.63</b>	<b>3.82</b>	<b>2.66</b>	<b>1.96</b>
<b>113B</b>	VII	267	<b>7.86</b>	<b>3.94</b>	<b>2.75</b>	<b>2.04</b>
<b>113BPC</b>	VII	267	<b>7.86</b>	<b>3.94</b>	<b>2.75</b>	<b>2.04</b>
<b>N113B</b>	VII	267	<b>9.09</b>	<b>4.54</b>	<b>3.19</b>	<b>2.36</b>
<b>NL113B</b>	VII	267	<b>7.75</b>	<b>3.87</b>	<b>2.71</b>	<b>2.00</b>
<b>114B</b>	XII	267	<b>8.08</b>	<b>4.04</b>	<b>2.84</b>	<b>2.10</b>
<b>N114B</b>	XII	267	<b>9.43</b>	<b>4.71</b>	<b>3.30</b>	<b>2.43</b>
<b>MN114B</b>	XII	267	<b>11.67</b>	<b>5.84</b>	<b>4.08</b>	<b>3.01</b>
<b>L114B</b>	XII	267	<b>8.42</b>	<b>4.22</b>	<b>2.94</b>	<b>2.17</b>

## "MICRO-D JAX" SUBMINIATURE ENCLOSED PHONE JACK

"Super-Small," 2-cond., shunted, fully enclosed jack is only 5/16" x 1/32" x 1/16". One-piece molded body locks all internal parts in place. Mates with Switchcraft Micro-Plug phone plugs.

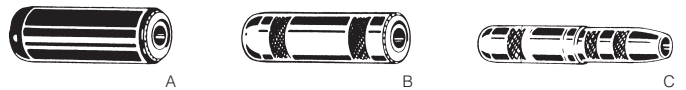
**G. No. MDL-2A** has solder lugs and #10-48 threaded bushing with mtg. washer and lock nut (supplied). Mounts thru 1/64" dia. hole in panels up to 1/16" thk. Singly or in rows on .350" (min.) centers.

**H. No. MDPC-2A** has P.C. terms., with standoff shoulders. Mounts singly or in rows or arrays on .315" (min.) centers or .350" (min.) centers. Adjacent sleeves touch each other when mtd. on .315" centers.

**J. No. MDL-2A-RA** is similar to No. MDL-2A, above, except right-angle solder lug terms., for minimum space (0.382" behind-panel clearance).

**K. No. MDPC-2A-RA** is similar to No. MDPC-2A, above, except right-angle PC terms., with standoff shoulders (0.345" clearance above PC board).

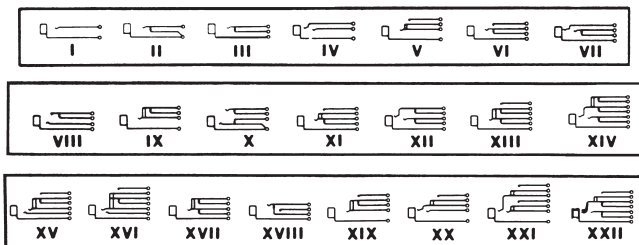
Cat. No.	Schematic No.	Typical Mating Plug	Conductors	Net Price Each			
				1-9	10-99	100-499	500-Up
<b>MDPC-2A</b>	III	850, 851	2	<b>\$6.29</b>	<b>\$3.14</b>	<b>\$2.20</b>	<b>\$1.63</b>
<b>MDL-2A</b>	III	850	2	<b>6.29</b>	<b>3.14</b>	<b>2.20</b>	<b>1.63</b>
<b>MDL-2A-RA</b>	III	850, 851	2	<b>6.96</b>	<b>3.49</b>	<b>2.44</b>	<b>1.80</b>
<b>MDPC-2A-RA</b>	III	850	2	<b>6.96</b>	<b>3.49</b>	<b>2.44</b>	<b>1.80</b>



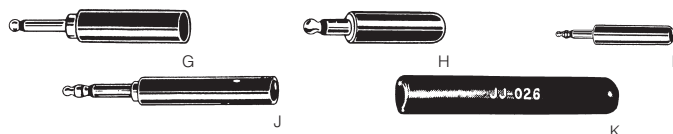
## "EXTENSION JAX" CABLE EXTENSION JACKS

Standard 1/4", 2 and 3-conductor extension phone jacks with solder lugs or screw type terminals. Size 1/16" O.D., 2 3/32" long; **121** and **131** 1/2" O.D., 2 1/2" long. Black handles are durable plastic. Shielded handles are brass, bright nickel plated.

Cat. No.	Fig.	Conductors	Typical Mating Plug	Terminals	Net Price Each			
					1-9	10-99	100-499	500-Up
<b>BLACK HANDLE</b>								
<b>80</b>	A	2	250	Screw Solder	<b>\$16.27</b>	<b>\$8.13</b>	<b>\$5.70</b>	<b>\$4.21</b>
<b>88</b>	A	2	250	Solder	<b>16.27</b>	<b>8.13</b>	<b>5.70</b>	<b>4.21</b>
<b>830</b>	A	3	267	Screw Solder	<b>22.67</b>	<b>11.35</b>	<b>7.94</b>	<b>5.86</b>
<b>S830</b>	A	3	480	Screw Solder	<b>26.26</b>	<b>13.14</b>	<b>9.19</b>	<b>6.79</b>
<b>838</b>	A	3	267	Solder	<b>18.29</b>	<b>9.15</b>	<b>6.39</b>	<b>4.73</b>
<b>SHIELDED HANDLE</b>								
<b>120</b>	B	2	270	Screw Solder	<b>21.10</b>	<b>10.55</b>	<b>7.38</b>	<b>5.44</b>
<b>121</b>	C	2	270	Solder	<b>21.10</b>	<b>10.55</b>	<b>7.38</b>	<b>5.44</b>
<b>128</b>	B	2	270	Solder	<b>18.29</b>	<b>9.15</b>	<b>6.39</b>	<b>4.73</b>
<b>131</b>	C	3	290	Solder	<b>26.26</b>	<b>13.14</b>	<b>9.19</b>	<b>6.79</b>
<b>1238</b>	B	3	290	Solder	<b>23.80</b>	<b>11.90</b>	<b>8.34</b>	<b>6.15</b>



**SCHEMATIC DIAGRAMS FOR SWITCHCRAFT JACKS**



**MILITARY TYPE  
"LITTEL-PLUG" AND EXTENSION JACK**

Designed to meet exact industrial and military requirements. Plugs are made in accordance with MIL-P-642 (A) specifications. One-piece tip rod and one-piece sleeve and plug body provide internal interlock to prevent parts shifting in position. Type 820 extension jack meets MIL-J-641A specifications and mates with "Little-Plug". No. 470 has shielded handle, all others are plastic. All plugs have screw terminals, except **482NC** and **483NC** which have solder terminals. Tip rod, body and screws: Brass, natural finish.

Cat. No.	Fig.	Handle	MIL Type	Net Price Each			
				1-9	10-99	100-499	500-Up
<b>TWO-CONDUCTOR TYPE</b>							
420	G	Black	PJ-047B	\$25.59	\$12.80	\$8.95	\$6.60
425	G	Red	PJ-047R	25.59	12.80	8.95	6.60
430	H	Black	PJ-054B	23.12	11.57	8.10	5.97
470	—	Shielded	PJ-055M	24.47	12.25	8.55	6.32
820*	K	Black	JJ-026	38.49	19.25	13.46	9.95
<b>THREE-CONDUCTOR TYPE</b>							
480	I	Black	PJ-068	38.61	19.30	13.51	9.97
482	J	Red	PJ-051R	35.13	17.56	12.28	9.07
482N*	J	Red	PJ-051R	35.13	17.56	12.28	9.07
482NC*	J	Red	PJ-051R	33.00	16.51	11.54	8.53
483	J	Black	PJ-051B	35.13	17.56	12.28	9.07
483N*	J	Black	PJ-051B	35.13	17.56	12.28	9.07
483NC*	J	Black	PJ-051B	33.00	16.51	11.54	8.53
484	J	Red	PJ-309	39.73	19.88	13.90	10.27

\*\*"N" designates nickel-plated plug finger.

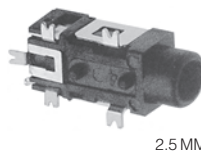


**JACK COVERS**

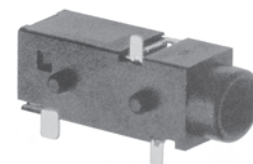
Handy, rugged, spring-load phone jack covers. Covers jack openings when phone plug is removed. Protects against dust and moisture.

**Series 500**—Use with standard 3/32 threaded bushing type phone jacks.

Cat. No.	Colour	Net Price Each			
		1-9	10-99	100-499	500-Up
510	Olive Drab	\$22.67	\$11.35	\$7.94	\$5.86
512	Bright Nickel	22.22	11.12	7.77	5.74
515	Black	22.67	11.35	7.94	5.86
520	Navy Gray	22.67	11.35	7.94	5.86



2.5 MM

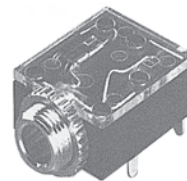


3.5 MM

**SWITCHCRAFT LOW PROFILE 2.5 MM AND 3.5 MM MONO AND STEREO SMT JACKS**

These low profile jacks come in a wide variety of circuits, both in 2 and 3 conductor versions. They're designed for use in today's electronic equipment that features remote speakers, headsets, and headphones. **APPLICATIONS:** Computer, video cameras, personal/portable audio devices and multimedia. **ELECTRICAL:** Current rating: 3A. Contact resistance: <50 mohms. Insulation resistance: 100 mohms (min.). Dielectric withstanding voltage: 250 VAC @ 1 minute. **MECHANICAL:** Lifecycles: 5,000. Operating temperature: -25°C to +85°C. **MATERIAL:** Housing: black thermoplastic. Sleeve, ring and tip terminals: copper alloy, silver-plated. Shunt terminal: Copper alloy, silver-plated.

Cat. No.	Description	Net Price
<b>2.5MM JACKS</b>		
MDSMT2BRATR	Stereo, dual open circuit	\$3.06
MDSMT2ARATR	Mono, closed circuit	3.06
MDSMT3BRATR	Stereo, tip closed and ring open circuit	3.06
MDSMT4BRATR	Stereo, dual closed circuit	3.06
<b>3.5MM JACKS</b>		
35RASMT2AHNTR	Mono, closed circuit	2.62
35RASMT2BHNTR	Stereo, dual open circuit	2.81
35RASMT3BHNTR	Stereo, tip closed and ring open circuit	2.81
35RASMT4BHNTR	Stereo, dual closed circuit	2.99



35RASMT4BH3

**SWITCHCRAFT RIGHT-ANGLE 3.5MM SINGLE MONO AND STEREO JACKS**

**APPLICATIONS:** Multi-media workstations, Headphones/microphone sets, Interactive TV, Audio, Telecommunications, Medical, Computer and Instrumentation. Housing: Thermoplastic. Bushing: Integral with housing. Springs.

**SWITCHCRAFT 3.5 MM JACK PART NUMBERING SYSTEM**

Series	Mounting Type	Circuitry	Housing Orientation	Bushing	Footprint Designation
35 3.5mm	RAPC Right-Angle Printed Circuit	2A Single Closed	H (Horizontal) Board Space Required Greater Than Above Board Height (RAPC)	Blank Threaded Bushing or N (Non-threaded Bushing)	Blank See Note 1
		2B Double Open			2 See Note 1
		3B Single Open+ Single Closed	V (Vertical) Board Space Required Less Than Above Board Height		3 See Note 1
		4B Double Closed	4 See Note 1		

**Notes:** 1. Footprints are assigned sequentially within a family of jacks. For example, all 35RAPCXXV2 jacks can use the 35RAPC4BV2 footprint independent of whether the bushing is threaded. Not all holes would be used by jacks with 2A, 2B, and 3B circuitry. 35RAPCXXV3 jacks require different PC board layout than 35RAPCXXV2 jacks. Each number designates a different footprint.

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