

Single Pole Sockets



Distributeur Officiel



Overview



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Solder Mount



Page 4 & 5

Press Mount



Page 6

**Solder Mount
(.084-.102 pin dia.)**



Page 7

**Solder Mount,
Guided Entry**



Page 8, 9 & 10

Swage Mount



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Stackable



Page 12

Surface Mount



Page 13

Patchcord Crimp



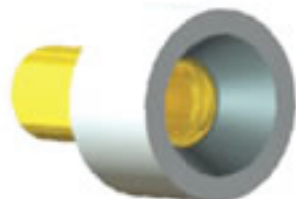
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PCB Mount Solder



Page 15

**Snap on colour
code insulator**



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**Solder Mount
Moulded Guided Entry**



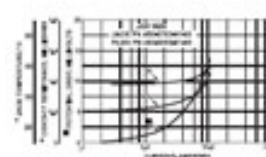
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**Insulated
Thread Mount**



Page 18 & 19

**Insulated
Press Mount**



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**Performance
Data**

Solder Mount

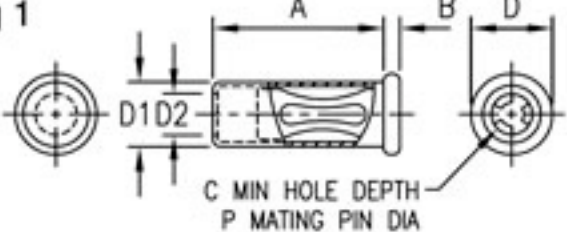
Figure	Basic Part No.	P	A	B	C	D	D1	D2	D4	G	Mtg. Hole Diameter
Fig 1 	450-2598-01	.019 (0.48)	.208 (5.28)	.032 (0.81)	-	.063 (1.60)	.049 (1.24)	.026 (0.66)	-	-	.052 (1.32)
	450-3268-01	.019 (0.48)	.208 (5.28)	.032 (0.81)	.215 (5.46)	.063 (1.60)	.049 (1.24)	-	-	-	.052 (1.32)
	450-3772-01	.019 (0.48)	.212 (5.38)	.015 (0.38)	.207 (5.26)	.060 (1.52)	.049 (1.24)	-	-	-	.052 (1.32)
	450-3772-02	.019 (0.48)	.208 (5.28)	.015 (0.38)	-	.060 (1.52)	.049 (1.24)	.030 (0.76)	-	-	.052 (1.32)
	450-3703-01	.025 (0.64)	.142 (3.61)	.016 (0.41)	.141 (3.58)	.074 (1.88)	.053 (1.35)	-	-	-	.055 (1.40)
	450-3718-01	.031 (0.79)	.188 (4.78)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	-	.076 (1.93)
	450-7004-01	.031 (0.79)	.235 (5.97)	.035 (0.89)	.181 (4.60)	.091 (2.31)	.068 (1.73)	-	-	-	.072 (1.85)
	450-3704-01	.040 (1.02)	.188 (4.78)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	-	.076 (1.93)
	450-3722-01	.050 (1.27)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	-	.102 (2.59)
	450-1813-01	.061 (1.55)	.195 (4.95)	.018 (0.46)	-	.120 (3.05)	.098 (2.49)	.067 (1.70)	-	-	.102 (2.59)
	450-3326-01	.061 (1.55)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	-	.102 (2.59)
	450-1812-01	.065 (1.65)	.195 (4.95)	.018 (0.46)	-	.120 (3.05)	.098 (2.49)	.071 (1.80)	-	-	.102 (2.59)
	450-3708-01	.080 (2.03)	.350 (8.89)	.021 (0.53)	.360 (9.14)	.143 (3.63)	.114 (2.90)	-	-	-	.116 (2.95)

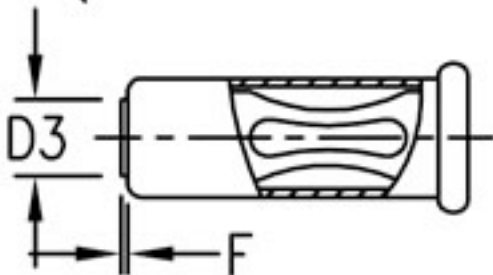
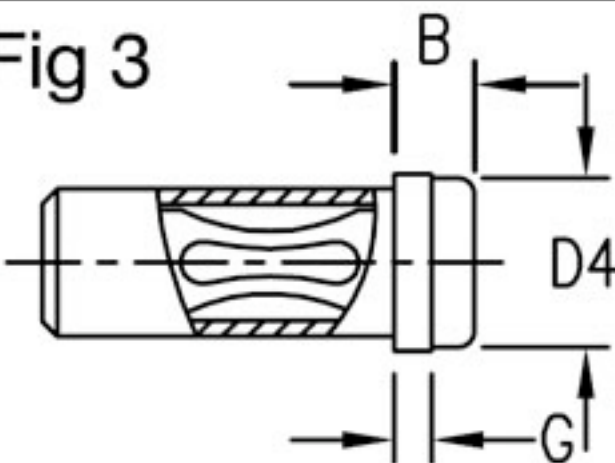
Figure	Basic Part No.	P	A	B	C	D	D1	D2	D4	G	Mtg. Hole Diameter
Fig 2 (Knockout bottom) 	450-3716-01	.040 (1.02)	.190 (4.83)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	.046 (1.17)	-	.013 (0.33)	.076 (1.93)

Figure	Basic Part No.	P	A	B	C	D	D1	D2	D4	G	Mtg. Hole Diameter
Fig 3 	450-3230-01	.025 (0.64)	.112 (2.84)	.080 (2.03)	.150 (3.81)	.080 (2.03)	.058 (1.47)	-	.073 (1.85)	.030 (0.76)	.094 (2.39)
	450-3293-01	.025 (0.64)	.102 (2.59)	.080 (2.03)	-	.080 (2.03)	.058 (1.47)	.042 (1.09)	.073 (1.85)	.030 (0.76)	.062 (1.57)
	450-3286-01	.040 (1.02)	.200 (5.08)	.036 (0.91)	-	.125 (3.18)	.085 (2.16)	.062 (1.60)	.092 (2.34)	.020 (0.51)	.089 (2.26)
	450-3366-01	.040 (1.02)	.125 (3.18)	.192 (4.88)	.192 (4.88)	.125 (3.18)	.085 (2.16)	-	.091 (2.31)	.032 (0.81)	.089 (2.26)
	450-3388-01	.040 (1.02)	.200 (5.08)	.035 (0.91)	.190 (4.83)	.125 (3.18)	.085 (2.16)	-	.092 (2.34)	.020 (0.51)	.089 (2.26)
	450-5301-01	.040 (1.02)	.112 (2.85)	.108 (2.75)	.185 (4.70)	.102 (2.59)	.074 (1.88)	-	.092 (2.34)	.030 (0.75)	.076 (1.93)
	450-3256-01	.080 (2.03)	.312 (7.92)	.100 (2.54)	-	.188 (4.78)	.142 (3.61)	.104 (2.64)	.143 (3.63)	.047 (1.19)	.144 (3.66)
	450-3398-01	.080 (2.03)	.312 (7.92)	.100 (2.54)	.333 (8.46)	.188 (4.78)	.142 (3.61)	-	.142 (3.61)	.047 (1.19)	.144 (3.66)

Press Mount

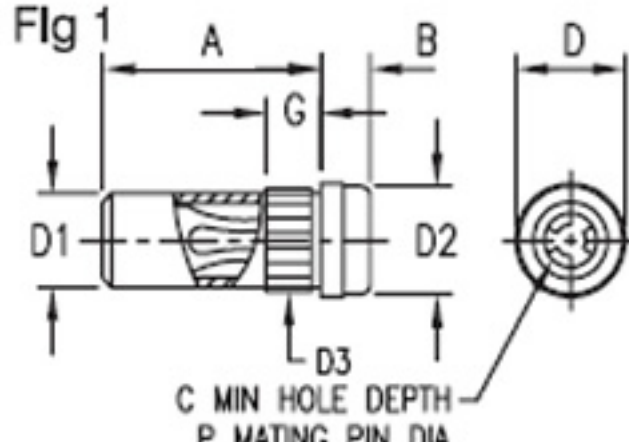
Figure	Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
 Fig 1	450-3720-01	.031 (0.79)	.213 (5.41)	.037 (0.94)	.185 (4.70)	.110 (2.79)	.080 (2.03)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)
	450-3954-01	.040 (1.02)	.140 (3.56)	.080 (2.03)	.185 (4.70)	.102 (2.59)	.072 (1.83)	.092 (2.34)	.081 (2.06)	-	.052 (1.32)	-	.076 (1.93)
	450-3721-01	.040 (1.02)	.213 (5.41)	.037 (0.94)	.185 (4.70)	.110 (2.79)	.080 (2.03)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)
	450-5348-01	.040 (1.02)	.090 (2.30)	.129 (3.29)	.185 (4.70)	.102 (2.59)	.072 (1.83)	.092 (2.34)	.081 (2.06)	-	.052 (1.32)	-	.076 (1.93)

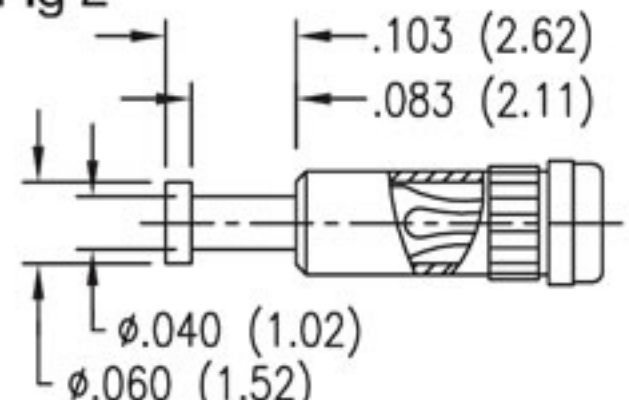
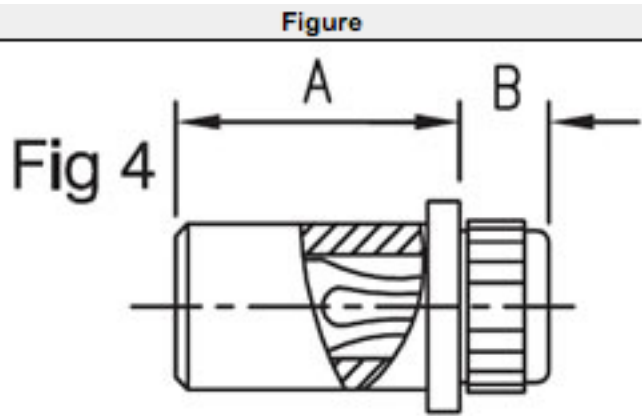
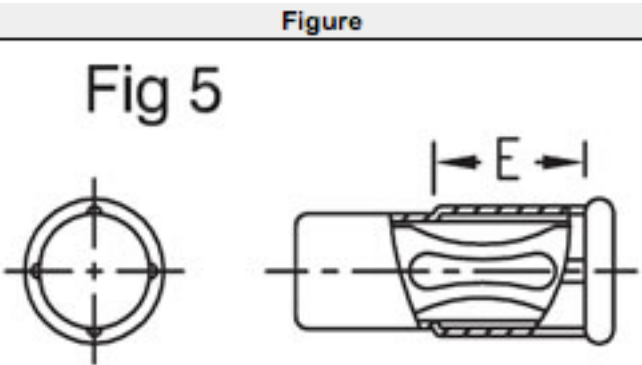
Figure	Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
 Fig 2	450-3755-01	.040 (1.02)	.200 (5.08)	.040 (1.02)	.185 (4.70)	.110 (2.79)	.082 (2.08)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)

Figure	Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
 Fig 3 (Lobed)	450-3752-01	.040 (1.02)	.140 (3.56)	.080 (2.03)	.185 (4.70)	.102 (2.59)	.074 (1.88)	.092 (2.34)	-	-	-	-	.076 (1.93)

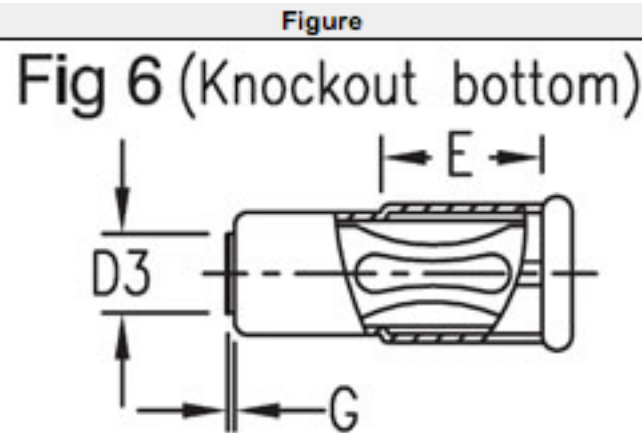
Press Mount



Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
450-1801 -01	.040 (1.02)	.175 (4.45)	.055 (1.40)	.185 (4.70)	.125 (3.18)	.100 (2.54)	.092 (2.34)	.103 (2.62)	-	-	-	.099 (2.53)



Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
450-1804 -01	.061 (1.55)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	.100 (2.54)	-	-	.102 (2.59)
450-1806 -01	.080 (2.03)	.356 (9.04)	.015 (0.38)	.360 (9.14)	.143 (3.63)	.114 (2.90)	-	-	.150 (3.81)	-	-	.116 (2.95)
450-3983 -01	.025 (0.64)	.138 (3.51)	.020 (0.51)	.141 (3.58)	.074 (1.88)	.053 (1.35)	-	-	.080 (2.03)	-	-	.055 (1.40)
450-3998 -01	.031 (0.79)	.188 (4.78)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	.100 (2.54)	-	-	.076 (1.93)
450-3729 -01	.040 (1.02)	.188 (4.78)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	.100 (2.54)	-	-	.076 (1.93)



Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mfg. Hole Diameter
450-3723 -01	.040 (1.02)	.188 (4.78)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	.046 (1.17)	.005 (0.13)	-	-	.076 (1.93)



Solder Mount (.084-.102 pin dia)

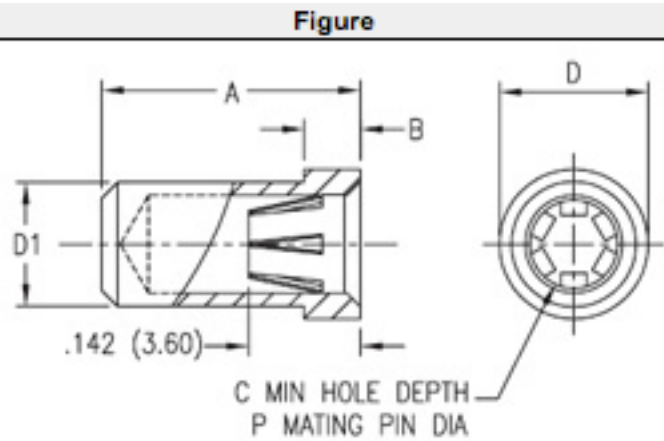


Figure	Basic Part No.	A	B	D	D1	C	P	Mfg. Hole Diameter
	450-8059 -01	.327 (8.30)	.071 (1.80)	.188 (4.78)	.156 (3.96)	.268 (6.80)	.084-.102 (2.13-2.59)	.160 (4.06)



Solder Mount Guided Entry

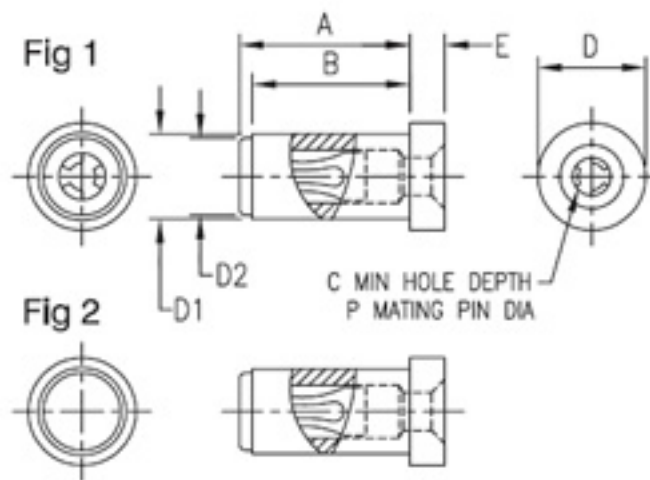
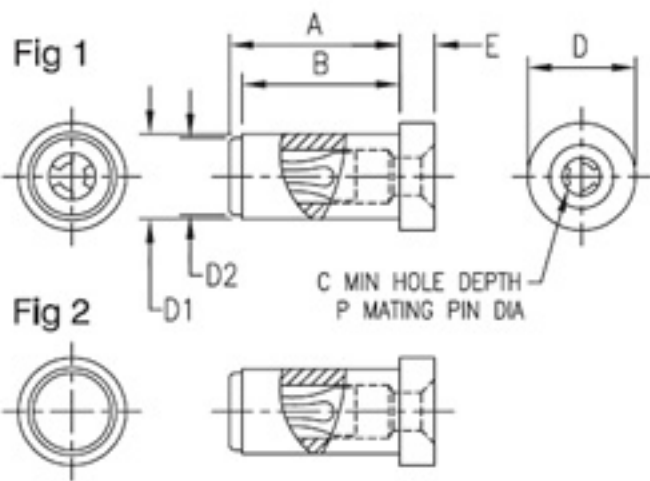
Figure	Basic Part No.	P	A	B	D	D1	D2	C	E	Mfg. Hole Diameter
	450-3760 -01	.040 (1.02)	.193 (4.90)	.182 (4.62)	.125 (3.18)	.100 (2.54)	.092 (2.34)	-	.040 (1.02)	.104 (2.64)

Figure	Basic Part No.	P	A	B	D	D1	D2	C	E	Mfg. Hole Diameter
	450-3783 -01	.040 (1.02)	.198 (5.03)	.182 (4.62)	.125 (3.18)	.100 (2.54)	.092 (2.34)	.210 (5.33)	.040 (1.02)	.104 (2.64)



Swage Mount

Figure	Basic Part No.	L	Board Thickness	P	A	B	C	D	D1	D2	D3	E L1	Mtg. Hole Diameter
	450-3375-02	.094 (2.39)	.062 (1.57)	.025 (0.64)	.106 (2.69)	.062 (1.57)	.141 (3.58)	.125 (3.18)	.077 (1.96)	.093 (2.36)	.062 (1.57)	- -	.094 (2.39)
	450-3375-03	.125 (3.18)	.094 (2.39)	.025 (0.64)	.075 (1.91)	.031 (0.79)	.141 (3.58)	.125 (3.18)	.077 (1.96)	.093 (2.36)	.062 (1.57)	- -	.094 (2.39)
	450-3375-04	.156 (3.96)	.125 (3.18)	.025 (0.64)	.106 (2.69)	.062 (1.57)	.141 (3.58)	.125 (3.18)	.077 (1.96)	.093 (2.36)	.062 (1.57)	- -	.094 (2.39)
	450-3375-05	.219 (5.56)	.188 (4.76)	.025 (0.64)	.106 (2.69)	.062 (1.57)	.141 (3.58)	.125 (3.18)	.077 (1.96)	.093 (2.36)	.062 (1.57)	- -	.094 (2.39)
	450-7005-01	.062 (1.57)	.031 (0.79)	.031 (0.79)	.193 (4.90)	.032 (0.81)	.183 (4.65)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-7005-02	.094 (2.39)	.062 (1.57)	.031 (0.79)	.193 (4.90)	.032 (0.81)	.183 (4.65)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-7005-03	.125 (3.18)	.094 (2.39)	.031 (0.79)	.193 (4.90)	.032 (0.81)	.183 (4.65)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-7005-04	.156 (3.96)	.125 (3.18)	.031 (0.79)	.193 (4.90)	.032 (0.81)	.183 (4.65)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3320-01	.062 (1.57)	.031 (0.79)	.040 (1.02)	.193 (4.90)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3320-02	.094 (2.39)	.062 (1.57)	.040 (1.02)	.193 (4.90)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3320-03	.125 (3.18)	.094 (2.39)	.040 (1.02)	.193 (4.90)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3320-04	.156 (3.96)	.125 (3.18)	.040 (1.02)	.193 (4.90)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3320-05	.219 (5.56)	.188 (4.76)	.040 (1.02)	.193 (4.90)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3324-01	.058 (1.47)	.031 (0.79)	.061 (1.55)	.230 (5.84)	.050 (1.27)	.204 (5.18)	.188 (4.78)	.124 (3.15)	.141 (3.58)	.066 (1.68)	- -	.144 (3.66)
	450-3324-02	.089 (2.26)	.062 (1.57)	.061 (1.55)	.230 (5.84)	.050 (1.27)	.204 (5.18)	.188 (4.78)	.124 (3.15)	.141 (3.58)	.066 (1.68)	- -	.144 (3.66)
	450-3324-03	.120 (3.05)	.094 (2.39)	.061 (1.55)	.230 (5.84)	.050 (1.27)	.204 (5.18)	.188 (4.78)	.124 (3.15)	.141 (3.58)	.066 (1.68)	- -	.144 (3.66)
	450-3324-04	.151 (3.84)	.125 (3.18)	.061 (1.55)	.230 (5.84)	.050 (1.27)	.204 (5.18)	.188 (4.78)	.124 (3.15)	.141 (3.58)	.066 (1.68)	- -	.144 (3.66)
	450-3754-01	.062 (1.57)	.031 (0.79)	.080 (2.03)	.440 (11.18)	-	.375 (9.53)	-	.144 (3.66)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3754-02	.094 (2.39)	.062 (1.57)	.080 (2.03)	.440 (11.18)	-	.375 (9.53)	-	.144 (3.66)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3754-03	.125 (3.18)	.094 (2.39)	.080 (2.03)	.440 (11.18)	-	.375 (9.53)	-	.144 (3.66)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)
	450-3754-04	.156 (3.96)	.125 (3.18)	.080 (2.03)	.440 (11.18)	-	.375 (9.53)	-	.144 (3.66)	.093 (2.36)	.066 (1.68)	- -	.094 (2.39)



Swage Mount

Figure	Basic Part No.	L	Board Thickness	P	A	B	C	D	D1	D2	D3	E	L1	Mtg. Hole Diameter
Fig 1 	450-3263-01	.051 (1.30)	.031 (0.79)	.025 (0.64)	.180 (4.57)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.025 (0.64)	.125(3.18) -	-	.062 (1.57)
	450-3263-02	.082 (2.08)	.062 (1.57)	.025 (0.64)	.180 (4.57)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.025 (0.64)	.125(3.18) -	-	.062 (1.57)
	450-3263-03	.113 (2.87)	.094 (2.39)	.025 (0.64)	.180 (4.57)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.025 (0.64)	.125(3.18) -	-	.062 (1.57)
Fig 2 	450-3263-04	.145 (3.68)	.125 (3.18)	.025 (0.64)	.180 (4.57)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.025 (0.64)	.125(3.18) -	-	.062 (1.57)
	450-3310-01	.062 (1.57)	.031 (0.79)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.094 (2.39)	.093 (2.36)	.040 (1.02)	.187(4.75) -	-	.094 (2.39)
	450-3310-02	.094 (2.39)	.062 (1.57)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.094 (2.39)	.093 (2.36)	.040 (1.02)	.187(4.75) -	-	.094 (2.39)
Fig 4 	450-3310-03	.125 (3.18)	.094 (2.39)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.094 (2.39)	.093 (2.36)	.040 (1.02)	.187(4.75) -	-	.094 (2.39)
	450-3310-04	.156 (3.96)	.125 (3.18)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.094 (2.39)	.093 (2.36)	.040 (1.02)	.187(4.75) -	-	.094 (2.39)

Figure	Basic Part No.	L	Board Thickness	P	A	B	C	D	D1	D2	D3	E	L1	Mtg. Hole Diameter
Fig 1 	450-3394-01	.062 (1.57)	.031 (0.79)	.025 (0.64)	.190 (4.88)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.040 (1.02)	- .040(1.02)	-	.062 (1.57)
	450-3394-02	.094 (2.39)	.062 (1.57)	.025 (0.64)	.190 (4.88)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.040 (1.02)	- .062(1.57)	-	.062 (1.57)
	450-3394-03	.125 (3.18)	.094 (2.39)	.025 (0.64)	.190 (4.88)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.040 (1.02)	- .040(1.02)	-	.062 (1.57)
Fig 2 	450-3394-04	.156 (3.96)	.125 (3.18)	.025 (0.64)	.190 (4.88)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.040 (1.02)	- .040(1.02)	-	.062 (1.57)
	450-3756-01	.062 (1.57)	.031 (0.79)	.040 (1.02)	.230 (5.84)	.062 (1.57)	.180 (4.57)	.125 (3.18)	.091 (2.31)	.064 (1.63)	.040 (1.02)	- .040(1.02)	-	.067 (1.70)
	450-3756-02	.094 (2.39)	.062 (1.57)	.040 (1.02)	.230 (5.84)	.062 (1.57)	.180 (4.57)	.125 (3.18)	.091 (2.31)	.064 (1.63)	.040 (1.02)	- .062(1.57)	-	.067 (1.70)
Fig 4 	450-3756-03	.125 (3.18)	.094 (2.39)	.040 (1.02)	.230 (5.84)	.062 (1.57)	.180 (4.57)	.125 (3.18)	.091 (2.31)	.064 (1.63)	.040 (1.02)	- .040(1.02)	-	.067 (1.70)
	450-3756-04	.156 (3.96)	.125 (3.18)	.040 (1.02)	.230 (5.84)	.062 (1.57)	.180 (4.57)	.125 (3.18)	.091 (2.31)	.064 (1.63)	.040 (1.02)	- .040(1.02)	-	.067 (1.70)



Swage Mount

Figure	Basic Part No.	L	Board Thickness	P	A	B	C	D	D1	D2	D3	E L1	Mtg. Hole Diameter
	450-3266-01	.041 (1.04)	.031 (0.79)	.019 (0.48)	.062 (1.57)	.025 (0.64)	.210 (5.33)	.094 (2.39)	.062 (1.57)	.072 (1.83)	.040 (1.02)	- -	.076 (1.93)
	450-3266-02	.072 (1.83)	.062 (1.57)	.019 (0.48)	.062 (1.57)	.025 (0.64)	.210 (5.33)	.094 (2.39)	.062 (1.57)	.072 (1.83)	.040 (1.02)	- -	.076 (1.93)
	450-3266-03	.104 (2.64)	.094 (2.39)	.019 (0.48)	.062 (1.57)	.025 (0.64)	.210 (5.33)	.094 (2.39)	.062 (1.57)	.072 (1.83)	.040 (1.02)	- -	.076 (1.93)
	450-3266-04	.135 (3.43)	.125 (3.18)	.019 (0.48)	.062 (1.57)	.025 (0.64)	.210 (5.33)	.094 (2.39)	.062 (1.57)	.072 (1.83)	.040 (1.02)	- -	.076 (1.93)



Stackable

Figure	Basic Part No.	A	B	P	C	D	D1	D2	E	F
	450-3327-01	.235 (5.97)	.125 (3.18)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.025 (0.64)	-	-
	450-3278-01	.425 (10.80)	.188 (4.78)	.080 (2.03)	.325 (8.26)	.156 (3.96)	.142 (3.61)	.040 (1.02)	-	-
	450-3078-01	.305 (7.75)	.125 (3.18)	.025 (0.64)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.025 (0.64)	.053 (1.35)	.043 (1.09)
	450-3302-01	.323 (8.20)	.188 (4.78)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.040 (1.02)	.053 (1.35)	.043 (1.09)
	450-3289-01	.235 (5.97)	.125 (3.18)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.025 (0.64)	-	-
	450-3279-01	.425 (10.80)	.188 (4.78)	.080 (2.03)	.325 (8.26)	.156 (3.96)	.142 (3.61)	.040 (1.02)	-	-
	450-3390-01	.305 (7.75)	.125 (3.18)	.025 (0.64)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.025 (0.64)	.053 (1.35)	.043 (1.09)
	450-3301-01	.323 (8.20)	.188 (4.78)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.040 (1.02)	.053 (1.35)	.043 (1.09)



Surface Mount

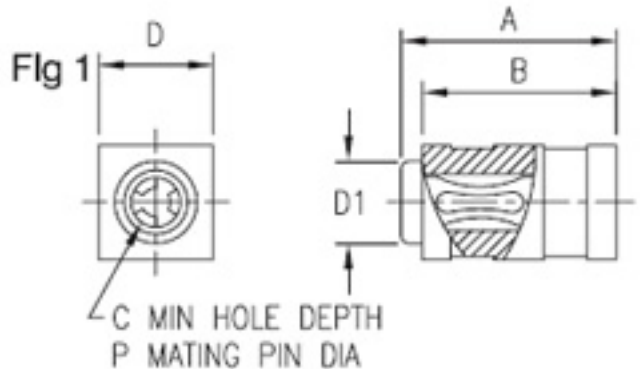
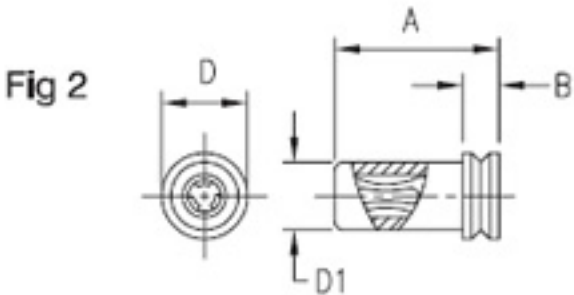
Figure	Basic Part No.	A	B	D	D1	C	P
	450-8340 -01	.235 (5.97)	.212 (5.38)	.125 (3.18)	.090 (2.29)	.190 (4.83)	.040 (1.02)

Figure	Basic Part No.	A	B	D	D1	C	P
	450-8325 -01	.180 (4.57)	.040 (1.02)	.094 (2.39)	.074 (1.88)	.141 (3.58)	.025 (0.64)

Patchcord Crimp

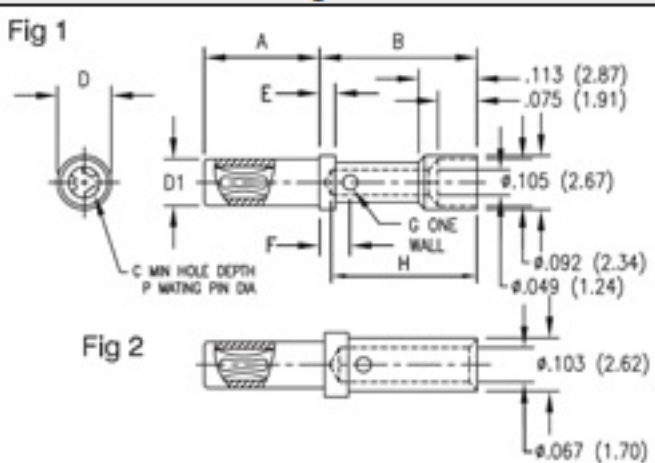
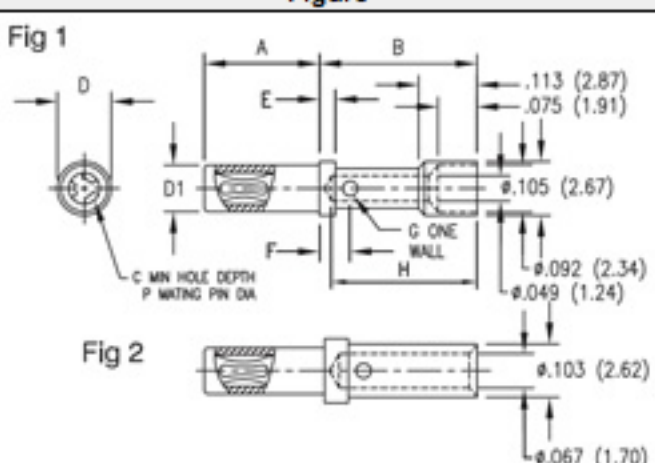
Figure	Basic Part No.	P	A	B	C	D	D1	E	F	G	H
 Fig 1 Fig 2	450-3367-01	.040 (1.02)	.224 (5.69)	.306 (7.77)	.185 (4.70)	.105 (2.67)	.091 (2.29)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)
	450-1807-01	.080 (2.03)	.420 (10.67)	.306 (7.77)	.375 (9.53)	.170 (4.32)	.143 (3.63)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)
	450-3378-01	.040 (1.02)	.224 (5.69)	.306 (7.77)	.185 (4.70)	.105 (2.67)	.091 (2.29)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)
450-3367 / 450-3378 / 450-1807											
Recommended hook-up wire size		#22AWG, 7 strands #30 AWG copper wire PTFE insulated									
Sockets also accommodate		#20 AWG, 7 strands #28 AWG copper wire									
		#24 AWG, 7 strands #32 AWG copper wire									

Figure	Basic Part No.	P	A	B	C	D	D1	E	F	G	H
 Fig 1 Fig 2	450-0016-01	.061 (1.55)	.234 (5.94)	.296 (7.52)	.190 (4.83)	.141 (3.58)	.119 (3.02)	.046 (1.17)	.076 (1.93)	.039 (0.99)	.267 (6.78)
	450-3413-01	.061 (1.55)	.234 (5.94)	.296 (7.52)	.190 (4.83)	.141 (3.58)	.119 (3.02)	.046 (1.17)	.076 (1.93)	.039 (0.99)	.267 (6.78)
	450-0016 / 450-3413										
Recommended hook-up wire size		#20 AWG, 7 strands #28 AWG copper wire PTFE insulated									
Sockets also accommodate		#18 AWG, 7 strands #26 AWG copper wire									
		#16 AWG, 19 strands #29 AWG copper wire									



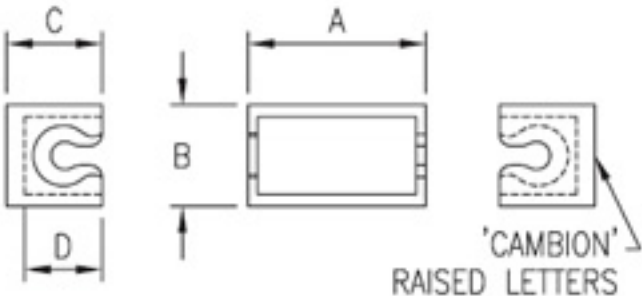
PCB Mount Solder

Figure	Basic Part No.	P	A	B	C	D	D1	D2	E	F	G	H	J	K	L	M
	450-3422	.040	.100	.300	.211	.040	.092	.047	.024	.125	.100	.125	.416	.028	.229	.016
	-01	(1.02)	(2.54)	(7.62)	(5.36)	(1.02)	(2.34)	(1.19)	(0.61)	(3.18)	(2.54)	(3.18)	(10.57)	(0.71)	(5.82)	(0.41)
	450-3888	.080	.200	.400	.325	.056	.142	.062	.046	.218	.156	.188	.537	.038	.325	.020
	-01	(2.03)	(5.08)	(10.16)	(8.26)	(1.42)	(3.61)	(1.57)	(1.17)	(5.54)	(3.96)	(4.78)	(13.64)	(0.97)	(8.26)	(0.51)



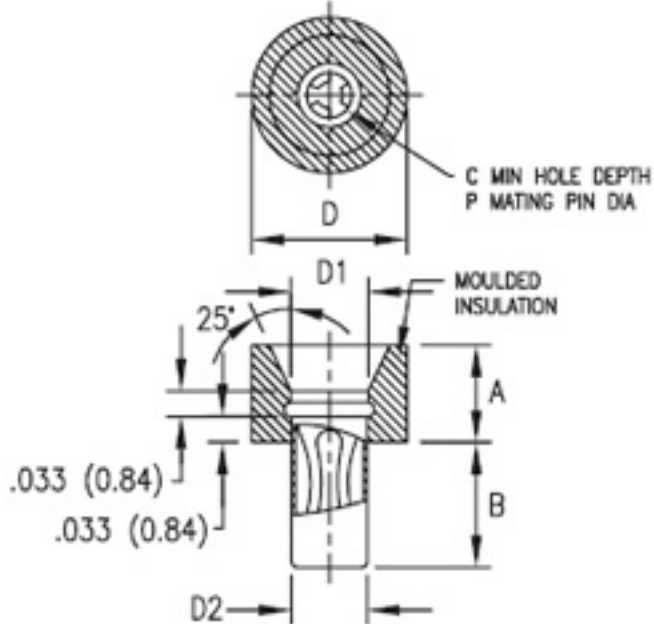
Snap On Colour Code Insulator



Figure	Basic Part No.	Used on Part	A	B	C	D
	<u>506-4422-01</u>	450-3422	.301 (7.65)	.172 (4.37)	.162 (4.11)	.131 (3.33)
	<u>506-4488-01</u>	450-3888	.415 (10.54)	.276 (7.01)	.268 (6.81)	.194 (4.93)



Solder Mount - Moulded Guided Entry

Figure	Basic Part No.	P	A	B	D	D1	D2	C	Mfg. Hole Diameter
	450-1826 -01	.061 (1.55)	.125 (3.18)	.162 (4.11)	.200 (5.08)	.093 (2.36)	.098 (2.49)	.250 (6.35)	.102 (2.59)



Insulated - Thread Mount

Figure	Basic Part No.	A	B	C	D	D1	D2	D3	E	C	P	Dielectric Withstand Voltage (rms)	Insulator
	450-3358 -01	.000 (25.4)	.375 (9.53)	.131 (3.33)	.312 (7.92)	.281 (7.14)	.093 (2.36)	.047 (1.19)	.050 (1.27)	.540 (13.72)	.080 (2.03)	3000	Nylon
	450-3359 -01	.000 (25.4)	.375 (9.53)	.131 (3.33)	.312 (7.92)	.281 (7.14)	.093 (2.36)	.047 (1.19)	.050 (1.27)	.540 (13.72)	.080 (2.03)	3000	PTFE

Figure	Basic Part No.	A	B	C	D	D1	D2	D3	E	C	P	Dielectric Withstand Voltage (rms)	Insulator
	450-3381 -01	.000 (25.4)	.375 (9.53)	.131 (3.33)	.312 (7.92)	.281 (7.14)	.090 (2.29)	.062 (1.57)	.050 (1.27)	.540 (13.72)	.080 (2.03)	3000	Nylon
	450-3382 -01	.000 (25.4)	.375 (9.53)	.131 (3.33)	.312 (7.92)	.281 (7.14)	.090 (2.29)	.062 (1.57)	.050 (1.27)	.540 (13.72)	.080 (2.03)	3000	PTFE

Insulated - Press Mount

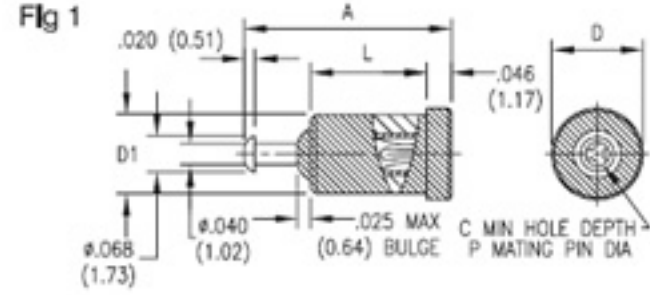
Figure	Basic Part No.	A	For Panel Thickness	C	D	D1	L	P	Flashover at Sea Level (Vrms)	Capacitance (pf)	Mtg. Hole Diameter
Fig 1 	<u>450-4352-01</u>	.390 (9.91)	.031 (0.79) to .094 (2.39)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.219 (5.56)	.040 (1.02)	-	2500	.7 .136 (3.45)
	<u>450-4353-01</u>	.390 (9.91)	.031 (0.79) to .094 (2.39)	.190 (4.83)	.219 (5.56)	.185 (4.70)	.219 (5.56)	.040 (1.02)	-	2500	.6 .172 (4.37)

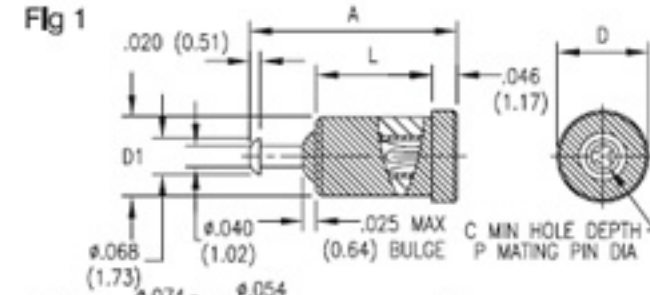
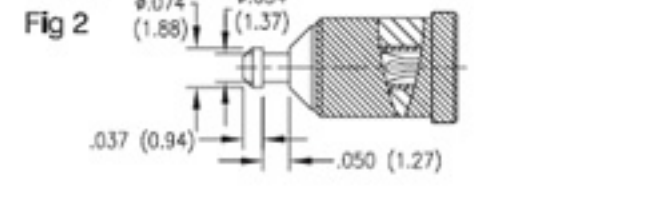
Figure	Basic Part No.	A	For Panel Thickness	C	D	D1	L	P	Flashover at Sea Level (Vrms)	Capacitance (pf)	Mtg. Hole Diameter
Fig 1 	<u>450-5237-01</u>	.413 (10.49)	.031 (0.79) to .094 (2.39)	.214 (5.44)	.219 (5.56)	.185 (4.70)	.242 (6.15)	.050 (1.27)	-	2500	.7 .172 (4.37)
	<u>450-3374-01</u>	.453 (11.51)	.031 (0.79) to .230 (5.84)	.340 (8.64)	.219 (5.56)	.185 (4.70)	.270 (6.86)	.080 (2.03)	-	1800	.7 .172 (4.37)

Fig 2



Insulated - Press Mount

Figure	Basic Part No.	A	For Panel Thickness	C	D	D1	L	P	Flashover at Sea Level (Vrms)	Capacitance (pf)	Mtg. Hole Diameter
Fig 4	450-4355-01	.680 (17.27)	.031 (0.79) to .125 (3.18)	.350 (8.89)	.219 (5.56)	.185 (4.70)	.175 (4.45)	.080 (2.03)	2000	1.0	.172 (4.37)

Figure	Basic Part No.	A	For Panel Thickness	C	D	D1	L	P	Flashover at Sea Level (Vrms)	Capacitance (pf)	Mtg. Hole Diameter
Fig 3	450-4354-01	.688 (17.48)	.031 (0.79) to .125 (3.18)	.332 (8.43)	.250 (6.35)	.216 (5.49)	.400 (10.16)	.080 (2.03)	2000	1.2	.203 (5.16)

Performance Data

• Current Rating & Current Carrying Capacity

When an electric current passes through a connector interface, resistance heat is generated. The first passage of current across a newly mated connector where there is a defined interface resistance causes a minute local temperature rise and extremely small metal-to-metal “welds” to take place across the interface; this phenomenon is expected and results in an uninterrupted metal path across the interlace. As the current increases, the size of these minute welds increases up to a point, but in Single Pole Sockets and other separate connectors, they are still small enough to break apart on separation without visible impairment of the plating. As the current is increased more, further heating takes place not just in the plated films but in the pin and spring metal themselves. The heating, if significant and of long duration, can cause metallurgical deterioration of the finishes. This usually manifests itself by darkening of the luster of the finishes and is explained by migration of the metal atoms between plating and sub-plating and chemical activity with oxygen and certain air pollutants through ever present minute pores in the exterior plating.

It is sufficient to say that connector reliability can be jeopardised by long-term excessive current.

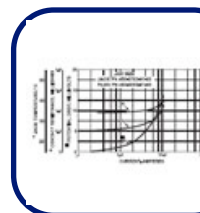
Cooling the connector takes place in two ways: by conducting the heat away via the electrical conductors and by conducting heat to the connector and conductor surfaces where circulating air carries it away by convection. The rate of cooling is affected by the size of the housing and conductors and by how much air circulates around the connector. In conducting the current rating tests, a drawn cup jack was used since it is low in mass and heats up more than any machined body jack with a given current.

The current rating is determined at our supplier, CAMBION by first matching the pin size to the conductor size as follows:

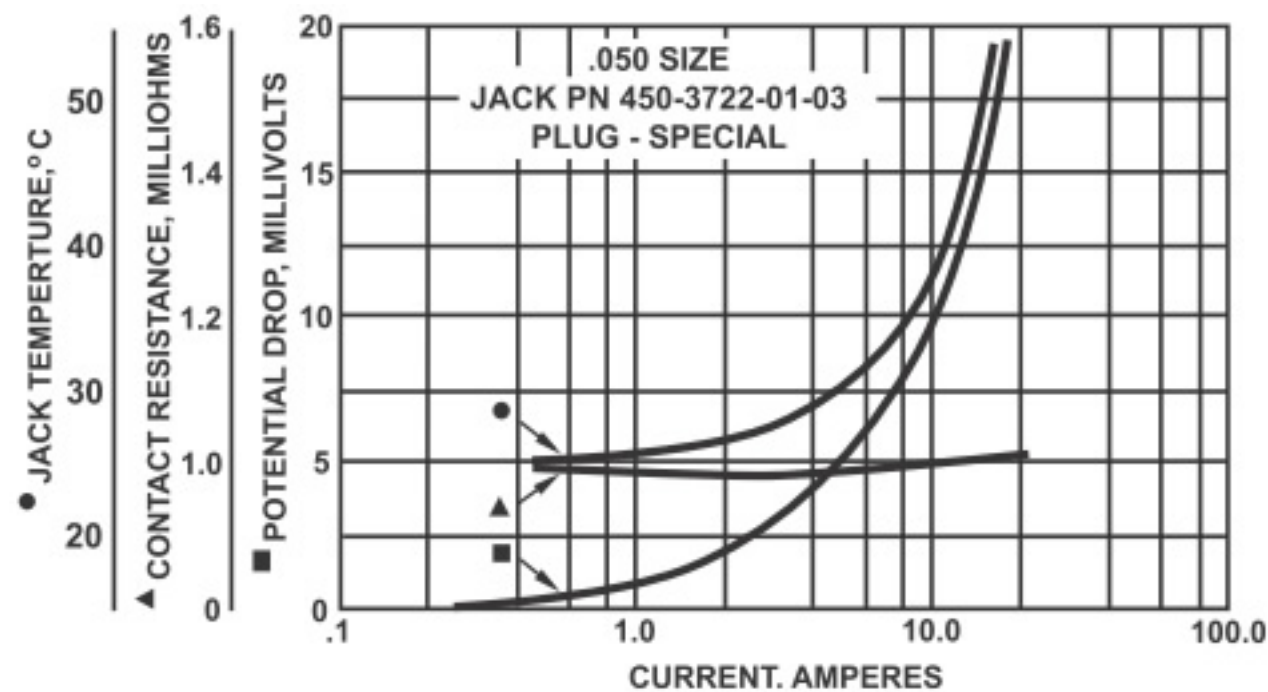
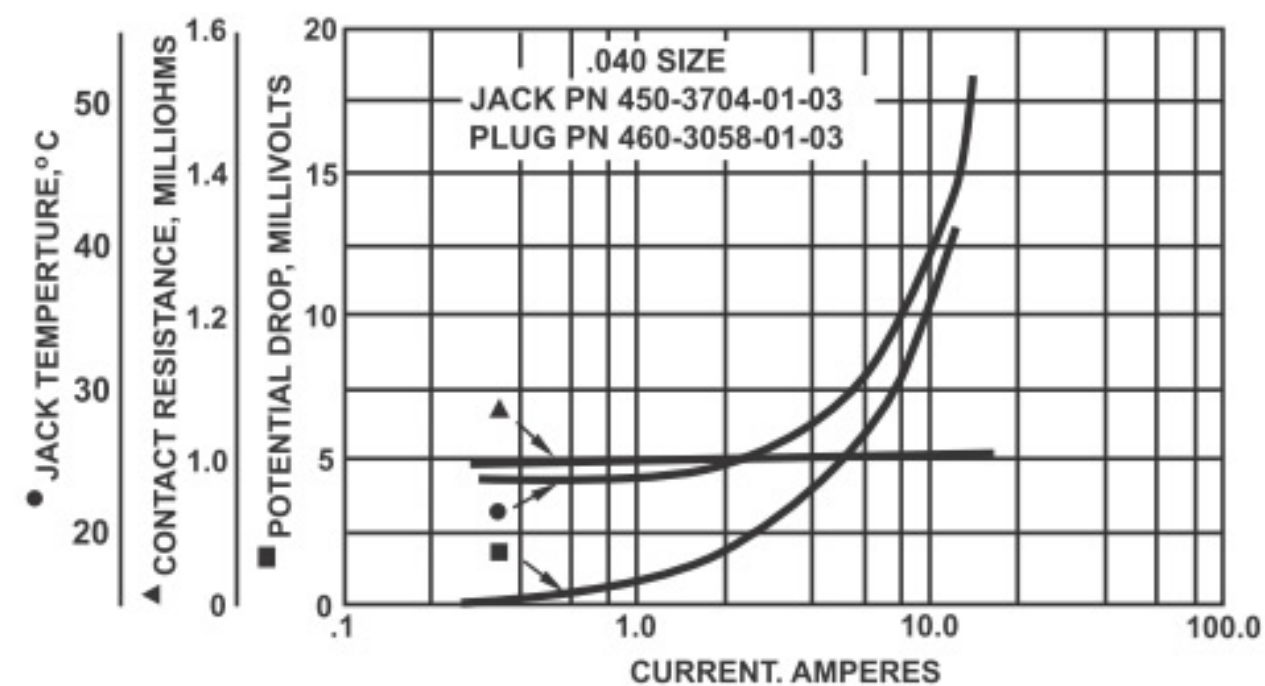
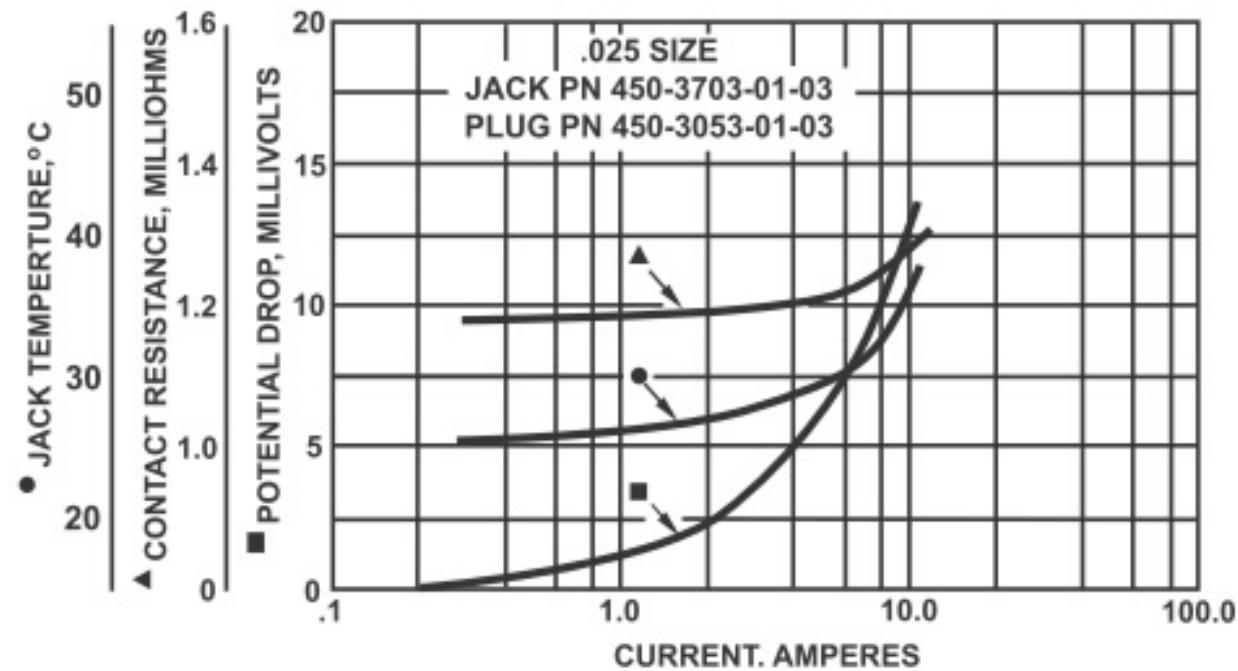
Up to .025 (0,64)	dia. 24 AWG
Up to .030 (0,76)	dia. 20 AWG
Up to .040 (1,02)	dia. 20 AWG
Up to .050 (1,27)	dia. 16 AWG
Up to .062 (1,57)	dia. 16 AWG
Up to .080 (2,03)	dia. 12 AWO
Up to .094 (2,39)	dia. 12 AWG

Single Pole Socket	Wire Size	Average		Max. Current Carrying Capacity* At 30°C = ΔT	Wire Rating @ 700CM per AMP	ΔT At Wire Rating	Actual Part Tested	
		Contact Resistance At 1°C = ΔT	Rated Current At 1°C = ΔT				Single Pole Socket Part No.	Plug Part No.
0.014 (0,36)	28AWG	1.77mΩ	1.0 Amps	7.3 Amps	0.24 Amps	0.1°C	450-3750-01-03-00	
0.025 (0,64)	24AWG	1.2mΩ	1.7 Amps	14.2 Amps	0.58 Amps	0.3°C	450-3703-01-03-00	460-3050-0-03-00
0.040 (1,02)	20AWG	1.0mΩ	3.0 Amps	23.0 Amps	1.5 Amps	0.2°C	450-3704-01-03-00	460-3308-01-03-00
0.050 (1,27)	18AWG	1.0mΩ	3.0 Amps	27.0 Amps	2.3 Amps	0.8°C	450-3722-01-03-00	
0.062 (1,57)	16AWG	0.56mΩ	3.5 Amps	30 Amps	3.7 Amps	1.1°C	450-3326-01-03-00	460-3368-01-03-00
0.080 (2,03)	14AWG	0.35mΩ	4.0 Amps	32 Amps	5.9 Amps	1.9°C	450-3708-01-03-00	

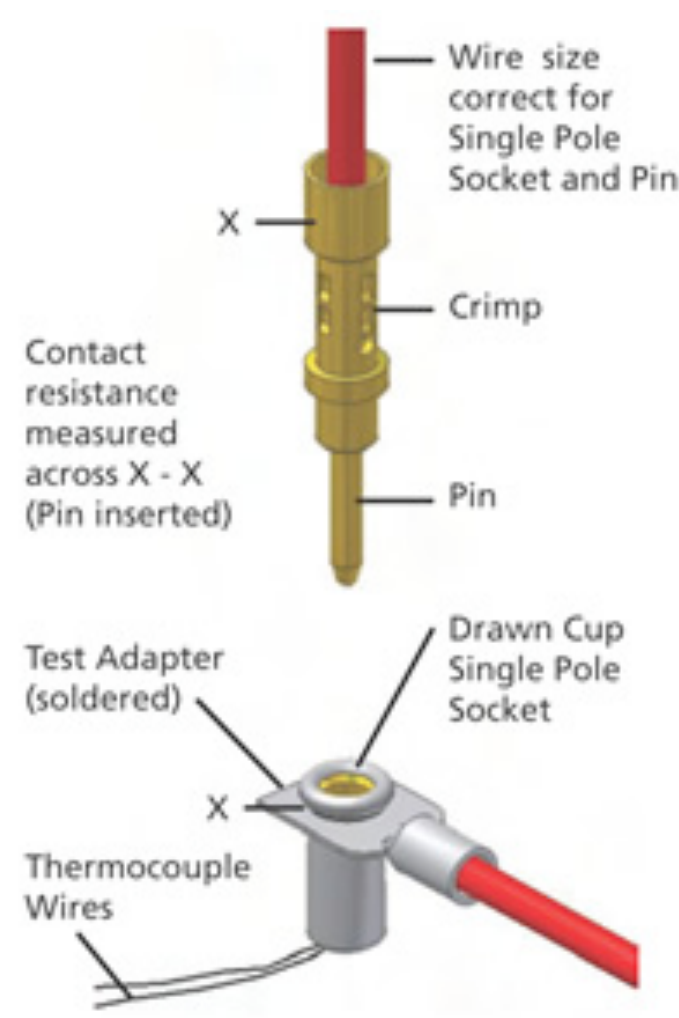
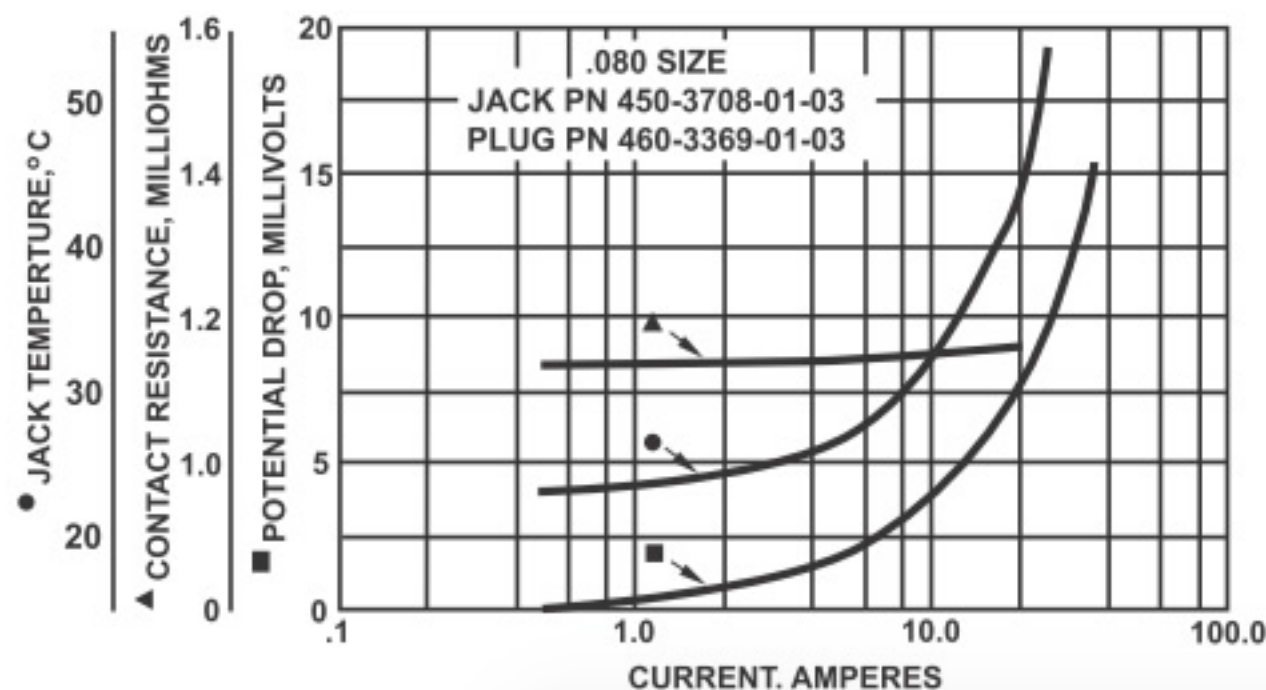
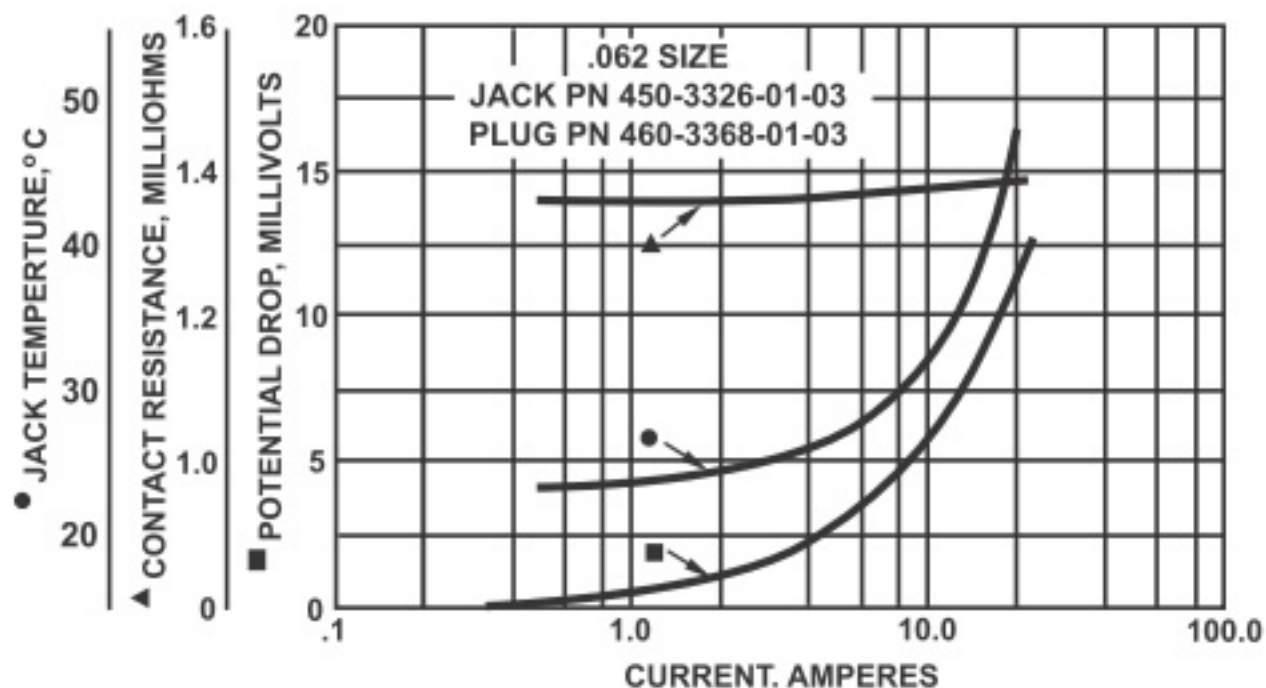
* wire gauge was increased to carry current for taking data



Performance Data



Performance Data



Performance Data

Current Rating is defined as the current which produces one degree Centigrade increase in temperature under these conditions. Contact Resistance is measured at this current.

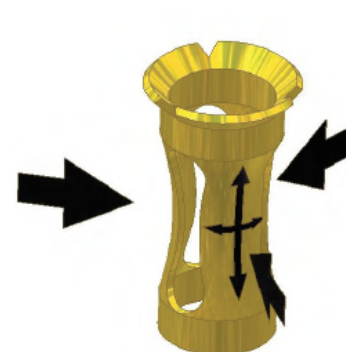
Maximum Current Carrying Capacity is defined as that current which produces a temperature rise of 30°C when the test is continued above the current rating.

These measurements are made with the Single Pole Socket soldered to insulated wires rather than mounted in printed circuit boards. In this way, variables of the mounting board heat dissipation are eliminated.

Our supplier, Cambion, miniature pins and sockets are specifically designed for quick, tight, space-saving applications on printed circuits. All connectors are electrically and mechanically tested, carefully inspected for dimensional accuracy and, when necessary, subjected to severe environmental tests pins and sockets are available from stock in a wide range of sizes, materials and finishes to meet virtually every requirement.

Sockets are closed entry cage type. The loose piece socket consists of two pieces - a flexible spring and a housing. The spring formed from beryllium copper is hardened and then plated. Housings may be drawn copper cups or machined from brass depending on application. The spring is securely captivated in the housing by staking. Most loose piece socket connectors are offered with three plating finishes - gold spring and housing, gold spring and electro tin housing or electro-tin spring and housing. Loose piece sockets are available in many styles and sizes to accommodate miniature pins and wires in the range .014 (0,36) to .093 (2,36) diameter. For repeated usage, our supplier, Cambion recommends that pins to mate with loose piece sockets should be within $\pm .002$ (0,05) of nominal cage diameter.

Contact Configurations



Single Pole Socket Design Features



Compound curvature spring

- Longitudinal and circumferential contact.
- Stamped, burr-free heat-treated beryllium copper spring/conductor.

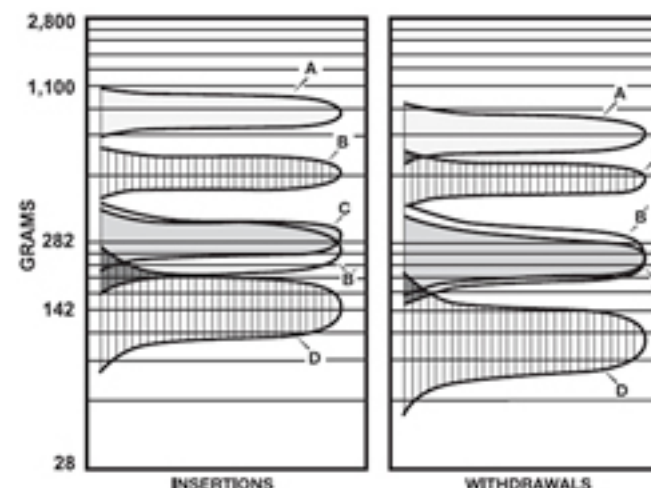
3-point contact

- 60% contact around mating pin.

Pins are precision engineered to be compatible with loose piece sockets and thereby provide positive and lasting electrical connections with low contact resistance. They are offered only gold plated, and pin diameters are held to $\pm .002$ (0,05). Current carrying capacity and contact resistance for loose piece sockets mated with various pin diameters are shown in the following table

Single Pole Socket Pin Diameter	Average Contact Resistance (mΩ)	@ rated Current For 1°C ΔT (A)	Max. Current for 30°C ΔT (A)
.020" (0,51mm)	1.5	1.4	11.0
.025" (0,64mm)	1.2	1.7	14.2
.030" (0,76mm)	1.1	2.1	17.0
.040" (1,02mm)	1.0	3.0	23.0
.050" (1,27mm)	1.0	3.0	27.0
.062" (1,57mm)	0.56	3.5	30.0
.080" (2,03mm)	0.35	4.0	32.0

Insertion / Withdrawal Force Distribution Curves



A : .080 (2,03) pin/.080 (2,03) socket
 B : .062 (1,57) pin/.060 (1,52) socket
 B' : .059 (1,50) pin/.060 (1,52) socket
 C : .040 (1,02) pin/.040 (1,02) socket
 D : .020 (0,51) pin/.020 (0,51) socket



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