



Spring Loaded Contacts – Surface Mount



Discrete Spring-Loaded Contacts

Features: • Shell Plating: 20µ Gold over Nickel • Contact Plating: 10µ Gold over Nickel • **Shell Material:** Brass Alloy (UNS C36000) per ASTM B 16 • **Brass Alloy Properties:** • Chemical composition: Cu 61.5%, Zn 35.4%, Pb 3.1% • Hardness as machined: 80-90 Rockwell B • Density: .307 lbs/in³ • Electrical conductivity:

26% IACS • Melting Point: 900°C/885°C (liquid/solid) • **Specifications:** • Sleeve and Plunger Material: Copper Alloy • Spring Material: Beryllium Copper • Current Rating: 2A continuous, 3A peak • Contact Resistance: 20mΩ maximum • Durability: 1,000,000 cycles minimum • Tolerances: Length: ±.005%; Diameter: ±.002%; Angles: ±2°

Dimensions in Inches (mm)

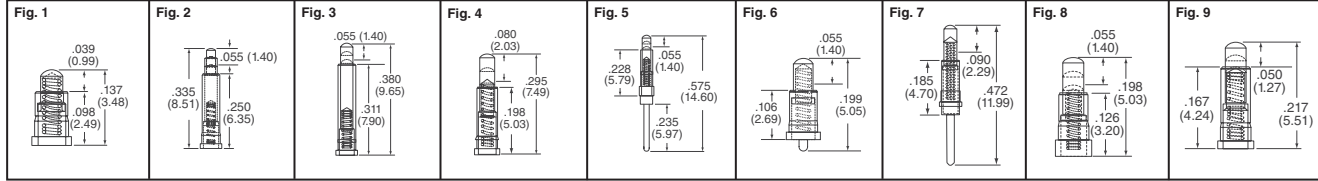


Fig.	Pin Diameter Inch (mm)	Stroke	Digi-Key Part No.	1	10	100	Mill-Max Part No.
1	.042 (1.07)	Short	ED90347-ND	.61	.55	.45	0923-0-15-20-78-14-11-0
2	.042 (1.07)	Standard	ED90343-ND	1.01	.91	.75	0925-0-15-20-73-14-26-0
3	.042 (1.07)	Standard	ED90348-ND	.75	.67	.56	0927-0-15-20-75-14-11-0
4	.042 (1.07)	Long	ED90349-ND	.63	.57	.47	0928-0-15-20-77-14-11-0
5	.042 (1.07)	Standard	ED90350-ND	.75	.68	.56	0929-0-15-20-75-14-11-0
6	.042 (1.07)	Standard	ED90344-ND	.62	.56	.46	0930-0-15-20-75-14-11-0
7	.042 (1.07)	Long	ED90345-ND	.70	.63	.52	0932-0-15-20-77-14-11-0
8	.042 (1.07)	Standard	ED90346-ND	.68	.61	.50	0934-0-15-20-74-14-26-0
9	.042 (1.07)	Standard	ED90351-ND	.42	.38	.31	0936-0-15-20-75-14-11-0

Spring Loaded Contacts



Dimensions in Inches

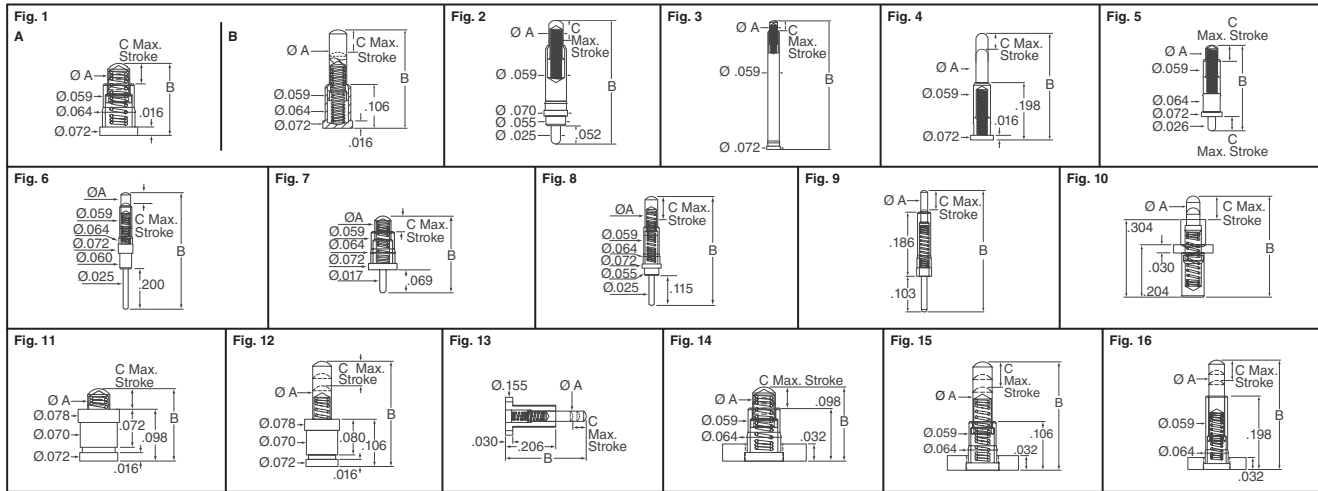


Fig.	Dimensions – Inch (mm)			Digi-Key Part No.	Pricing 100 1,000			Mill-Max Part No.
Modular Spring Loaded Contacts								
1A	.042 (1.07)	.137 (3.48)	.039 (0.99)	ED9000-ND	3.46	28.48	193.30	0900-0-00-00-00-00-11-0
1B	.042 (1.07)	.177 (4.50)	.055 (1.40)	ED9001-ND	3.34	27.52	186.71	0900-1-00-00-00-00-11-0
	.042 (1.07)	.197 (5.00)	.055 (1.40)	ED9002-ND	3.38	27.85	188.94	0900-2-00-00-00-00-11-0
	.042 (1.07)	.217 (5.51)	.055 (1.40)	ED9003-ND	3.43	28.21	191.42	0900-3-00-00-00-00-11-0
	.042 (1.07)	.236 (5.99)	.055 (1.40)	ED9004-ND	3.47	28.56	193.77	0900-4-00-00-00-00-11-0
2	.042 (1.07)	.348 (8.84)	.055 (1.40)	ED9008-ND	4.96	40.80	276.88	0901-0-00-00-00-00-11-0
	.042 (1.07)	.693 (17.60)	.055 (1.40)	ED9009-ND	7.62	62.73	425.67	0905-0-00-00-00-00-11-0
	.042 (1.07)	.255 (6.48)	.055 (1.40)	ED5063-ND	6.44	48.35	322.34	0907-0-15-20-75-14-11-0
	.042 (1.07)	.275 (6.98)	.055 (1.40)	ED5064-ND	6.51	48.82	325.48	0907-1-15-20-75-14-11-0
	.042 (1.07)	.295 (7.49)	.055 (1.40)	ED5065-ND	6.57	49.27	328.46	0907-2-15-20-75-14-11-0
	.042 (1.07)	.315 (8.00)	.055 (1.40)	ED5066-ND	6.66	49.91	332.75	0907-3-15-20-75-14-11-0
	.042 (1.07)	.335 (8.51)	.055 (1.40)	ED5067-ND	6.72	50.46	336.39	0907-4-15-20-75-14-11-0
	.042 (1.07)	.350 (8.89)	.055 (1.40)	ED5068-ND	6.77	50.76	338.37	0907-5-15-20-75-14-11-0
4	.042 (1.07)	.370 (9.40)	.055 (1.40)	ED5069-ND	6.84	51.28	341.84	0907-6-15-20-75-14-11-0
	.042 (1.07)	.390 (9.91)	.055 (1.40)	ED5070-ND	6.91	51.80	345.31	0907-7-15-20-75-14-11-0
	.042 (1.07)	.410 (10.41)	.055 (1.40)	ED5071-ND	6.98	52.34	348.94	0907-8-15-20-75-14-11-0
	.042 (1.07)	.430 (10.92)	.055 (1.40)	ED5072-ND	7.05	52.89	352.58	0907-9-15-20-75-14-11-0
	.042 (1.07)	.298 (7.57)	.0275 (0.70)	ED5073-ND*	9.57	71.77	478.48	0980-0-15-20-75-14-11-0
	.042 (1.07)	.575 (14.60)	.055 (1.40)	ED8186-ND	5.63	46.35	314.55	0922-0-15-20-75-14-11-0
	.042 (1.07)	.206 (5.23)	.039 (0.99)	ED8180-ND	3.64	29.98	203.42	0906-0-15-20-76-14-11-0
	.042 (1.07)	.246 (6.25)	.055 (1.40)	ED8181-ND	3.67	30.24	205.19	0906-1-15-20-75-14-11-0
7	.042 (1.07)	.324 (8.23)	.055 (1.40)	ED90384-ND	4.58	37.74	256.04	0908-0-15-20-75-14-11-0
	.042 (1.07)	.326 (8.28)	.055 (1.40)	ED8182-ND	3.71	30.57	207.43	0906-2-15-20-75-14-11-0
	.042 (1.07)	.344 (8.74)	.055 (1.40)	ED90385-ND	4.63	38.08	258.40	0908-1-15-20-75-14-11-0
	.042 (1.07)	.286 (7.26)	.055 (1.40)	ED8183-ND	3.75	30.91	209.78	0906-3-15-20-75-14-11-0
	.042 (1.07)	.364 (9.25)	.055 (1.40)	ED90386-ND	4.67	38.41	260.63	0908-2-15-20-75-14-11-0
	.042 (1.07)	.305 (7.75)	.055 (1.40)	ED8184-ND	3.80	31.28	212.25	0906-4-15-20-75-14-11-0
	.042 (1.07)	.384 (9.75)	.055 (1.40)	ED90417-ND	4.72	38.83	263.46	0908-3-15-20-75-14-11-0
	.042 (1.07)	.404 (10.26)	.055 (1.40)	ED90387-ND	4.76	39.21	266.05	0908-4-15-20-75-14-11-0
	.042 (1.07)	.419 (10.64)	.055 (1.40)	ED90388-ND	4.79	39.45	267.70	0908-5-15-20-75-14-11-0
	.042 (1.07)	.439 (11.15)	.055 (1.40)	ED90389-ND	4.83	39.82	270.17	0908-6-15-20-75-14-11-0

Fig.	Dimensions – Inch (mm)			Digi-Key Part No.	Pricing 100 1,000			Mill-Max Part No.
7	.042 (1.07)	.459 (11.66)	.055 (1.40)	ED90390-ND	4.88	40.18	272.64	0908-7-15-20-75-14-11-0
	.042 (1.07)	.479 (12.17)	.055 (1.40)	ED90391-ND	4.92	40.58	275.35	0908-8-15-20-75-14-11-0
	.042 (1.07)	.499 (12.67)	.055 (1.40)	ED90392-ND	4.97	40.94	277.82	0908-9-15-20-75-14-11-0
8	.042 (1.07)	.417 (10.59)	.090 (2.29)	ED8185-ND	4.69	38.62	262.05	0910-0-15-20-77-14-11-0
9	.019 (0.48)	.351 (8.92)	.055 (1.40)	ED90310-ND	.83	7.40	60.92	0950-0-15-20-71-14-11-0
10	.050 (1.27)	.395 (10.03)	.090 (2.29)	ED90436-ND	10.14	81.92	585.13	0850-0-15-20-83-14-11-0
11	.042 (1.07)	.137 (3.48)	.039 (0.99)	ED90453CT-ND	10.63	87.57	—	0910-0-57-20-76-14-11-0
	.042 (1.07)	.137 (3.48)	.039 (0.99)	ED90453TR-ND	965.30/1,500	—	—	0910-0-57-20-76-14-11-0
12	.042 (1.07)	.177 (4.50)	.055 (1.40)	ED90454CT-ND	10.49	86.43	—	0910-1-57-20-75-14-11-0
	.042 (1.07)	.177 (4.50)	.055 (1.40)	ED90454TR-ND	955.38/1,500	—	—	0910-1-57-20-75-14-11-0
	.042 (1.07)	.197 (5.00)	.055 (1.40)	ED90455CT-ND	10.53	86.74	—	0910-2-57-20-75-14-11-0
	.042 (1.07)	.197 (5.00)	.055 (1.40)	ED90455TR-ND	703.34/1,100	—	—	0910-2-57-20-75-14-11-0
	.042 (1.07)	.217 (5.51)	.055 (1.40)	ED90456CT-ND	10.58	87.12	—	0910-3-57-20-75-14-11-0
	.042 (1.07)	.217 (5.51)	.055 (1.40)	ED90456TR-ND	706.07/1,100	—	—	0910-3-57-20-75-14-11-0
13	.042 (1.07)	.236 (5.99)	.055 (1.40)	ED90457CT-ND	10.62	87.50	—	0910-4-57-20-75-14-11-0
	.042 (1.07)	.236 (5.99)	.055 (1.40)	ED90457TR-ND	709.70/1,100	—	—	0910-4-57-20-75-14-11-0
	.042 (1.07)	.331 (8.41)	.055 (1.40)	ED90458-ND	7.96	65.58	444.98	0967-0-15-20-75-14-11-0
14	.042 (1.07)	.137 (3.48)	.039 (0.99)	ED90459-ND	5.11	42.14	285.94	0990-0-50-20-76-14-11-0
15	.042 (1.07)	.177 (4.50)	.055 (1.40)	ED90460-ND	4.97	40.97	278.06	0990-1-50-20-75-14-11-0
	.042 (1.07)	.197 (5.00)	.055 (1.40)	ED90461-ND	5.01	41.29	280.17	0990-2-50-20-75-14-11-0
	.042 (1.07)	.217 (5.51)	.055 (1.40)	ED90462-ND	5.06	41.67	282.77	0990-3-50-20-75-14-11-0
	.042 (1.07)	.236 (5.99)	.055 (1.40)	ED90463-ND	5.11	42.02	285.12	0990-4-50-20-75-14-11-0
16	.042 (1.07)	.255 (6.48)	.055 (1.40)	ED90464-ND	5.77	47.47	322.08	0997-0-50-20-75-14-11-0
	.042 (1.07)	.275 (6.98)	.055 (1.40)	ED90465-ND	5.81	47.81	324.43	0997-1-50-20-75-14-11-0
	.042 (1.07)	.295 (7.49)	.055 (1.40)	ED90466-ND	5.85	48.15	326.67	0997-2-50-20-75-14-11-0
	.042 (1.07)	.315 (8.00)	.055 (1.40)	ED90467-ND	5.90	48.57	329.61	0997-3-50-20-75-14-11-0
	.042 (1.07)	.335 (8.51)	.055 (1.40)	ED90468-ND	5.94	48.92	331.97	0997-4-50-20-75-14-11-0
	.042 (1.07)	.350 (8.89)	.055 (1.40)	ED90469-ND	5.97	49.19	333.74	0997-5-50-20-75-14-11-0
16	.042 (1.07)	.370 (9.40)	.055 (1.40)	ED90470-ND	6.01	49.55	336.21	0997-6-50-20-75-14-11-0
	.042 (1.07)	.390 (9.91)	.055 (1.40)	ED90471-ND	6.06	49.90	338.56	0997-7-50-20-75-14-11-0
	.042 (1.07)	.410 (10.41)	.055 (1.40)	ED90472-ND	6.10	50.28	341.15	0997-8-50-20-75-14-11-0
	.042 (1.07)	.430 (10.92)	.055 (1.40)	ED90473-ND	6.15	50.66	343.74	0997-9-50-20-75-14-11-0

* Double Action

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.