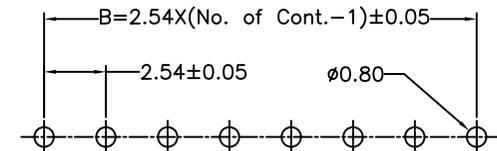


**Specifications**

Current Rating:3.0 Amps  
 Voltage Rating:100V AC/DC  
 Contact Resistance:10m Ohm. Max.  
 Insulator Resistance:5,000M Ohm. Min.  
 Withstanding Voltage:1,000V AC for One Minute  
 Operating Temperature Range:-40°C~+105°C  
 Material and Plated  
 Insulator:High Temp. Plastic(PPS UL94V-0)  
 Insulator Color:Black  
 Contact:Brass  
 Plated:Gold Plated

**Dimension:**

Circuits	Dim.A	Dim.B	Circuits	Dim.A	Dim.B	Circuits	Dim.A	Dim.B	Circuits	Dim.A	Dim.B
2	5.08	2.54	12	30.48	27.94	22	55.88	53.34	32	81.28	78.74
3	7.62	5.08	13	33.02	30.48	23	58.42	55.88	33	83.82	81.28
4	10.16	7.62	14	35.56	33.02	24	60.96	58.42	34	86.36	83.82
5	12.70	10.16	15	38.10	35.56	25	63.50	60.96	35	88.90	86.36
6	15.24	12.70	16	40.64	38.10	26	66.04	63.50	36	91.44	88.90
7	17.78	15.24	17	43.18	40.64	27	68.58	66.04	37	93.98	91.44
8	20.32	17.78	18	45.72	43.18	28	71.12	68.58	38	96.52	93.98
9	22.86	20.32	19	48.26	45.72	29	73.66	71.12	39	99.06	96.52
10	25.40	22.86	20	50.80	48.26	30	76.20	73.66	40	101.60	99.06
11	27.94	25.40	21	53.34	50.80	31	78.74	76.20			



**PCB LAYOUT**

**RoHS Compliant**



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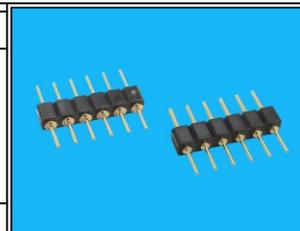
UNIT / mm SCALE 1 : 1

DATE

SIZE A4 PPROJECTION

**TOLERANCES ARE**

X. ±  
 .X ± 0.30  
 .XX ± 0.25  
 .XXX ±  
 ANG ±



**ORDER INFORMATION**

SP12-DG-1Xxx-LF  
 SERIES | LEADFREE  
 1X02:02WAY  
 1X40:40WAY  
 GOLD PLATED  
 DIP 180°

DESCRIPTION: 2.54mm Machine Pin Header Single Row